

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Catalog of Thin Sections Available  
at the USGS Core Research Center,  
Denver, Colorado

By

Diana L. Richards and Thomas C. Michalski<sup>1</sup>

Open-File Report 87-659

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

<sup>1</sup>Denver, Colorado

## INTRODUCTION

This report, compiled in August 1987, catalogs the six thousand nine hundred and fifty three (6,953) thin sections currently available for examination at the U.S. Geological Survey Core Research Center. Eight hundred and ninety three (893) cores from the Research Center's collection, representing the states of Arizona, Colorado, Idaho, Kansas, Montana, Nebraska, New Mexico, North Dakota, South Dakota, Utah, and Wyoming provided sample material for the thin sections. This catalog provides the following data: the state, location, county, operator, well name, type, minimum depth, maximum depth, formation, and well number of each core; and the depth of each thin section. All thin sections in this compilation are listed in order of state, township, range, section, and depth.

The Research Center's computer system has the capability of generating custom print-outs of core holdings sorted by formation, geologic age, geographic location, operator, or any combination of these parameters. Depths of individual thin section are not, however, currently listed on custom-sorted print-outs. Custom print-outs may be requested by telephone during working hours, or by letter.

All information contained in this thin-section listing has been supplied to the U.S. Geological Survey by the well operator or commercial well-information company, and research scientists that sampled the cores. Although this information is assumed to be accurate and correct, it is the responsibility of parties using this listing to verify all information contained herein. The U.S. Geological Survey makes no guarantee (either stated or implied) as to information accuracy.

To facilitate the examination of cores and thin sections, a well lighted core-examination room is provided for Research Center visitors. Binocular microscopes, a petrographic microscope, standard testing chemicals, a photo stand, and a small reference library are available in the core-examination room. Due to limited space for core and thin-section examination, users should make an appointment prior to visiting the Research Center.

The Core Research Center encourages the preservation of cores and thin sections at the Denver area repository, and at public facilities across the United States. Parties interested in donating material to the U.S. Geological Survey Core Research Center should contact the repository prior to the shipment of samples.

## GENERAL INFORMATION

### Name, Mailing Address, Telephone

U.S. Geological Survey  
Core Research Center  
Box 25046 Mail Stop 975  
Denver Federal Center  
Denver, CO 80225  
(303)236-1930

### Location or Shipping Address

5293 Ward Road, Building A  
Arvada, CO 80002  
(Address change likely by 1988)

### Hours

8:30-4:30  
Monday through Friday  
Appointment necessary

### Catalog

Core information is on index cards and a computer data base, and includes the location, formation name, depth, type of sample, footage represented, and operator. Individual state catalogs are available as USGS Open File reports. A computer search can be made by catalog parameters singly or in combination. Call for details.

### Additional Information Available

Photographs, analyses and thin sections (both limited in number).

### Collection Size

Core: 5,343 locations  
Thin Sections: 6,953 slides

### Purpose of Wells (Holes)

Oil and gas: 85 percent  
Oil shale: 10 percent  
Coal: 3 percent

### Area Represented by Core

Wyoming:	44 percent
Montana:	23 percent
Colorado:	15 percent
North Dakota:	7 percent
Other Western States:	11 percent
(AZ, CA, ID, KS, NE, NV, NM, OK, SD, UT, WA)	

### Facilities and Services

The facility occupies 45,000 square feet in a concrete building with heat, air conditioning, electricity, telephone, and restrooms. The examination room occupies 1,000 square feet and is equipped with binocular and petrographic microscopes, trim saw and plugger, testing chemicals, camera, porosity-permeability equipment (USGS use only), and a small reference library. Retrieval, replacement, slabbing, and trimming of material are provided. Descriptive literature is available.

### Curation Policy

User fees: No  
Sampling of material: If duplicate analyses and thin sections are returned to files.  
Loan of material: Cores-No  
Thin Sections-Yes

The facility is accepting oil and gas cores from the Rocky Mountain region, and material of research interest to the USGS. Material can be kept confidential for 1 year. All samples sent to the repository must be labeled as to operator, well name, location, and formation.

The library cannot accept shipments of material on a collect basis.

**ARIZONA**  
**ABBREVIATED FORMATION/AGE NAMES**

DRCK - Dry Creek	KIBB - Kaibab	LDVL - Leadville	TRWP - Toroweap
HRMT - Hermit			

**COUNTY NUMBERS**

APACHE-----001	GRAHAM-----009	MOHAVE-----015	PINAL-----021
COCHISE-----003	GREENLEE-----011	NAVAJO-----017	SANTA CRUZ-----023
COCONINO-----005	MARICOPA-----013	PIMA-----019	YAVAPAI-----025
GILA-----007			YUMA-----027

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Chips

ARIZONA-NIE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
41N 30E 2	1	ENERGY RESERVE GROUP	9 NAVAJO O	S	5236 5300	5290 5356	DRCK DRCK	5240.8 5253.5 5260.4 5270.8 5330.4	B953

**COLORADO**  
**ABBREVIATED FORMATION/AGE NAMES**

ABCK	- Arbuckle	FRHS	- Fort Hays	MDDY	- Muddy	RLNS	- Rollins
ATOK	- Atoka/Atokan	FRLD	- Fruitland	MNCS	- Mancos	RTON	- Raton
BCK	- Barker Creek	FRNR	- Frontier	MNKT	- Minnekahta	RWLS	- Rawlins
BXTR	- Baxter	FRUN	- Fort Union	MOLS	- Molas	SALT	- Salt
CDLL	- Codell	GRRS	- Graneros	MRMN	- Mamaton	SNNN	- Shannon
CHNL	- Chinle	GRRV	- Green River	MRON	- Maroon	SPRG	- Spergen
CRCR	- Corcoran	GTHC	- Gothic	MRRW	- Marias River	SRMP	- Shinarump
CRLL	- Carlile	HNSM	- Huntsman	MRSN	- Morrison	SSSX	- Sussex
CSLG	- Castlegate	HRMS	- Hermosa	MSSP	- Mississippi	STNK	- Satanka
CTLR	- Cutler	HYGN	- Hygiene	MVRD	- Mesaverde	TMPS	- Timpas
CZTT	- Cozzette	ISMY	- Ismay	NBRR	- Niobrara	TOPK	- Topeka
DGCK	- Douglas Creek	KEYS	- Keyes	NGGT	- Nugget	TSLP	- Tensleep
DKOT	- Dakota	LGKC	- Lansing-Kansas City	OILSH	- Oil Shale	UINT	- Uinta
DKOTD	- Dakota D Sand	LKOT	- Lakota	OURY	- Ouray Limestone	UNKN	- Unknown
DKOTJ	- Dakota J Sand	LNSG	- Lansing	PRKC	- Park City	VRMJ	- Vermejo
DRCK	- Deer Creek	LRMI	- Laramie	PRKM	- Parkman	WEBR	- Weber
DSMS	- Des Moinesian	LWIS	- Lewis Sand	PSNC	- Poison Canyon	WFMP	- Wolfcamp
DVNN	- Devonian	LYNS	- Lyons	PSPR	- Phosphoria	WMFK	- Williams Fork
ELBR	- Elbert	MCCK	- McClintock	RDCV	- Red Cave	WSTC	- Wasatch
ENRD	- Entrada						

**COLORADO  
COUNTY NUMBERS**

ADAMS-----	001	DOLORS-----	033	LAKE-----	065	PITKIN-----	097
ALAMOSA-----	003	DOUGLAS-----	035	LA PLATA-----	067	PROWERS-----	099
ARAPAHOE-----	005	EAGLE-----	037	LARIMER-----	069	PUEBLO-----	101
ARCHULETA-----	007	ELBERT-----	039	LAS ANIMAS-----	071	RIO BLANCO-----	103
BACA-----	009	EL PASO-----	041	LINCOLN-----	073	RIO GRANDE-----	105
BENT-----	011	FREMONT-----	043	LOGAN-----	075	ROUTT-----	107
BOULDER-----	013	GARFIELD-----	045	MESA-----	077	SAGUACHE-----	109
CHAFFEE-----	015	GILPIN-----	047	MINERAL-----	079	SAN JUAN-----	111
CHEYENNE-----	017	GRAND-----	049	MOFFAT-----	081	SAN MIGUEL-----	113
CLEAR CREEK-----	019	GUNNISON-----	051	MONTENZUMA-----	083	SEDGWICK-----	115
CONEJOS-----	021	HINSDALE-----	053	MONTROSE-----	085	SUMMIT-----	117
COSTILLA-----	023	HUERFANO-----	055	MORGAN-----	087	TELLER-----	119
CROWLEY-----	025	JACKSON-----	057	OTERO-----	089	WASHINGTON-----	121
CUSTER-----	027	JEFFERSON-----	059	OURAY-----	091	WELD-----	123
DELTA-----	029	KIOWA-----	061	PARK-----	093	YUMA-----	125
DENVER-----	031	KIT CARSON-----	063	PHILLIPS-----	095		

**OTHER ABBREVIATIONS**

MIN-----	Minimum depth in feet	S-----	Slabbed
MAX-----	Maximum depth in feet	F-----	Full Diameter
		C-----	Core Chips

COLORADO-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
2N 67W 22	123	AMOCO	1-B PREMIUM TURKEY	S	4655	4710	SSSX	4659.5 4662 4665 4668 4671 4674 4676 4677 4680 4683.3 4686	A678
2N 88W 10	103	FLANK OIL	1 PUCKETT FEDERAL	S	2037	2217	WEBR	2148 2149	A692
2N 93W 1	103	COBRA O & G	3 USA PAN AMERICAN	S	7050 7088	7082 7094	DKOT DKOT	7050-51 7054-55 7058-59 7060-61 7064-65 7068-69 7069-70 7073-74	A612  7076-77 7079-80 7082-83 7090-91 7094-95



COLORADO-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
4N 89W 17	107	PAN AMERICAN PET	1 WYMAN	S	3001	3097	DKOT	3003-04 3010-11 3012-13 3015-16 3017-18 3018-19 3049-50 3050-51 3057-58 3063-64 3064-65	A673  3067-68 3071-72 3084-85 3088-89 3090-91 3094-95 3096-97 3097
6N 68W 13	69	AMOCO	1 R A REID	S	7440	4500	DKOTJ	7456 7499	A674
6N 88W 30	107	TIGER OIL	14-30 BRESHEARS	S	9261 9285	9270 9309	DKOT DKOT	9261-62 9263-64 9265-66 9266-67	A906
7N 97W 25	81	WESTERN EXPL LTD	1-25 RICHARDSON	S	5011 5410	5016 5486	MRSN MRSN	5409	D082
10N 58W 32	123	COCKRELL CORP	32-1 DEWITT- BRENNAN	S	3564	3620	PRKM	3574 3583 3591 3601 3612 3621	B142

COLORADO-NW

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11N 66W 10	123	SOLAR PETROLEUM	2 HORTON	S	4681 5297 5446	4741 5357 5506	HYGN HYGN HYGN	4681 4712.8 4740 5297 5302 5303 5304.5 5311 5317.5 5327 5332 5335	B458   5342.5 5446.5 5455.5 5457.5 5463 5467.5 5475.5 5485 5501
11N 91W 3	81	SUPERIOR OIL CO	1 STATE	S	15578	15596	WEBR	15579 15588	B106
34N 12W 35	67	POLUMBUS CORP	35-1 SCHMITT	S	9065	9101	BKCK	9070 9073.2 9081 9087.9	C852
34N 20W 1	83	PAN AMERICAN PET	3 UTE MOUNTAIN TRIBAL J	S	5526	5676	ISMY	5649.8 5653.3 5661 5667	A623

**COLORADO-NW**

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34N 20W 1	83	PAN AMERICAN PET	J-1 UTE TRIBAL	S	5465	5658	ISMY	5531 5544 5551 5603 5614 5631 5636 5656.5	A684
34N 20W 2	83	PAN AMERICAN PET	3 UTE MOUNTAIN TRIBAL G	S	5459	5594	ISMY	5524 5531 5549 5560 5580 5582 5589 5593	A653
34N 20W 2	83	PAN AMERICAN PET	4 UTE MOUNTAIN TRIBAL G	S	5537	5640	ISMY	5565 5569 5574 5576 5584 5598 5606 5622 5630	A376

COLORADO-NW

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35N 20W 35	83	CACTUS DRLG	2 G D FEHR	S	5530	5589	ISMY	5542 5545 5552 5553 5555 5562 5563 5564	A627
36N 13W 17	83	IMPEL ENERGY	1 WALLACE N B HUNT	S	5558	5644	DRCK	BELOW	B512
THIN SECTIONS									
	5562	5576	5588		5602	5618			
	5564	5580	5590		5603	5623			
	5567	5582	5594		5605	5629			
	5569	5583	5596		5607	5631			
	5572	5584	5597		5611	5632			
	5574	5587	5600		5614				
38N 18W 4	83	KISSINGER PET	1-4 KISSINGER FEDERAL	F	5873 6034	5897 6086	GTHC DRCK	6036 6036A 6039	S917
38N 20W 11	33	TRANSCO	1-11 SE BUG POINT	S	6120	6178	DRCK	6137.5 6137.7 6138.2 6139.5 6143.6 6143.9 6145.9 6151.8	C336
								6156.6 6156.9 6158.3 6160.6 6168	

**COLORADO-NW**

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39N 19W 7	33	DUNCAN R T	44-7 SANTE FE	S	5883	5943	DRCK	5885.4 5890.1 5903.1 5907.5 5908.7 5909 5910.5 5912.3	C052  5914.5 5915 5916 5917.8 5920.5
39N 19W 17	33	MCOR	1-17 FEDERAL	S	5936 6230	5991 6269	ISMY DRCK	5969 6237 6240 6241 6244	R331
39N 19W 19	33	DAMSON OIL	1-19 FEDERAL	S	6213	6272	DRCK	6241.1 6241.2 6241.4 6242.4 6243 6243.5 6246.5 6247 6250 6252.8	B730
39N 19W 28	33	KISSINGER PET	14-28 KISSINGER FEDERAL	S	5476 5768	5524 5823	ISMY DRCK	5775.4 5776	C926
39N 20W 3	33	MCOR	1-3 U COLO	S	6250	6310	DRCK	6262.8 6277	C917

**COLORADO-NW**

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39N 20W 11	33	DAVIS OIL CO	1 HUBER WRIGHT	S	6302	6331	DRCK	6306.2 6307 6307.8 6311.5 6312.3 6315.2 6318.8 6319 6320	B729
39N 20W 13	33	DAVIS OIL CO	4 SQUAW CANYON	S	6250	6290	DRCK	6256.9 6257.8 6261.2 6268.3 6271.5	B744
39N 20W 23	33	DAVIS OIL CO	2 HUBER WRIGHT	S	6260	6290	DRCK	6265.9 6266 6267.1 6271.1 6272.9 6276.2 6285.5	B743
39N 20W 26	33	FOREST OIL CORP	1 ANNIE FEDERAL	S	6390	6444	DRCK	6432(2) 6433(2) 6434(2) 6435 6437 6438	C400

COLORADO-NW

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40N 20W 35	33	DAVIS OIL CO	1 DUNCAN-TEVAULT	S	6329	6373	DRCK	BELOW	C104

THIN SECTIONS

6330	6337	6340	6344	6349
6333	6338	6341	6346	6349.5
6334	6338.5	6342.5	6346.5	6350
6335	6339	6343	6348	6351
6336				

COLORADO-SW

4S 63W 15	5	KOCH EXPL	1 GOSS	S	7756 7782	7777 7811	DKOTJ DKOTJ	7759 7769 7772.5 7776.5 7811	A666
4S 64W 15	5	INTERCONT ENERGY	3 CAVANAUGH	F	8108	8147	DKOT	8121 8128.7 8136.5	S895
5S 65W 33	5	BROWNIE WALLACE ET	1 ANDERSON-BYRNE	S	8627 8745	8657 8810	DKOTJ DKOTJ	8746.5 8799	C127

**COLORADO-SW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
10S 90W 31	51	RALSTON O&G	31 FEDERAL	S	3603 6366 6547	3735 6425 6605	MVRD MNCS MNCS	3612 3617 3622 3707 3712 3721 3729 3734 6392 6567 6568	A930
10S 95W 36	77	EXXON CORP	2 OLD MAN MOUNTAIN	S	4494 5444 5831	4507 5493 5873	MVRD RWLS CZZT	5850 5856 5860 5871.5	B516
10S 96W 13	77	FLYING DIAMOND OIL	13-1 B E NICHOLS	S	3730	3789	CZZT	3737 3739 3741 3744 3747 3754(2) 3757	B589   3766(2) 3768 3774 3782
15S 46W 23	17	LEWIS & CLARK EXPL	1 RDD LARSON	S	5547	5589	SPRG	5580 5582	B880



**COLORADO-SW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
15S 46W 26	17	LEWIS & CLARK EXPL	3 LOWE-ARNOLD	S	5519	5575	SPRG	5520 5524 5530 5554A 5554B 5557	SI47
24S 45W 18	99	MICH-WISC PL CO	1-18 NEWHOLD	S	4993 5034	5007 5050	MRRW MRRW	4995 4995.4 4996.4 4997.1 4998 4999 4999.6 5000 5001 5002.3 5003 5004 5006 5034.6 5036 5039.1 5041 5042 5044 5044.6 5047 5048.6 5050	C235
25S 45W 26	99	MICH-WISC PL CO	1-26 BAILEY	S	4874	4896	MRRW	4886(2) 4887 4889 4890 4895(3)	C231

IDAHO  
ABBREVIATED FORMATION/AGE NAMES

TCRK - Twin Creek                      TMPL - Thermopolis                      TRCC - Tertiary - Cretaceous

COUNTY NUMBERS

ADA-----001	CAMAS-----025	GOODING-----047	NEZ PERCE-----069
ADAMS-----003	CANYON-----027	IDAHO-----049	ONEIDA-----071
BANNOCK-----005	CARIBOU-----029	JEFFERSON-----051	OWHEE-----073
BEAR LAKE-----007	CASSIA-----031	JEROME-----053	PAYETTE-----075
BENEWAH-----009	CLARK-----033	KOOTENAI-----055	POWER-----077
BINGHAM-----011	CLEARWATER-----035	LATAH-----057	SHOSHONE-----079
BLAINE-----013	CUSTER-----037	LEMHI-----059	TETON-----081
BOISE-----015	ELMORE-----039	LEWIS-----061	TWIN FALLS-----083
BONNER-----017	FRANKLIN-----041	LINCOLN-----063	VALLEY-----085
BONNEVILLE-----019	FREMONT-----043	MADISON-----065	WASHINGTON-----087
BOUNDARY-----021	GEM-----045	MINIDOKA-----067	YELLOWSTONE NATL PAR-----089
BUTTE-----023			

OTHER ABBREVIATIONS

MIN-----Minimum depth in feet	S-----Slabbed
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	C-----Core Chips

IDAHO-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
10S 46E 20	29	MAY PET INC	1 FEDERAL ELK VALLEY	S	3700	3742	TCRK	3730	A717

# KANSAS ABBREVIATED FORMATION/AGE NAMES

ABCK - Arbuckle	CHSE - Chase	KRDR - Krider	OSGE - Osage
ATOK - Atoka	CSTR - Chester	LGKC - Lansing-Kansas City	PWNE - Pawnee
BRVL - Brownville	DGLS - Douglas	LNSG - Lansing	STLS - St Louis
CBNS - Cabaniss	FRRL - Fort Riley	LJRLJ - Laurel	SWOP - Swope
CCGV - Council Grove	FRSC - Fort Scott	MRRW - Morrow	TWND - Towanda
CHRK - Cherokee	GLMC - Gilmore City	MSSP - Mississippian	UNKN - Unknown
	KDRK - Kinderhook	NBRR - Niobrara	WFLD - Winfield

## COUNTY NUMBERS

ALLEN-----001	ELLSWORTH-----053	LINCOLN-----105	REPUBLIC-----157
ANDERSON-----003	FINNEY-----055	LINN-----107	RICE-----159
ATCHISON-----005	FORD-----057	LOGAN-----109	RILEY-----161
BARBER-----007	FRANKLIN-----059	LYON-----111	ROOKS-----163
BARTON-----009	GEARY-----061	MCPHERSON-----113	RUSH-----165
BOURBON-----011	GOVE-----063	MARION-----115	RUSSELL-----167
BROWN-----013	GRAHAM-----065	MARSHALL-----117	SALINE-----169
BUTLER-----015	GRANT-----067	MEADE-----119	SCOTT-----171
CHASE-----017	GRAY-----069	MIAMI-----121	SEDGWICK-----173
CHAUTAUQUA-----019	GREELEY-----071	MITCHELL-----123	SEWARD-----175
CHEROKEE-----021	GREENWOOD-----073	MONTGOMERY-----125	SHAWNEE-----177
CHEYENNE-----023	HAMILTON-----075	MORRIS-----127	SHERIDAN-----179
CLARK-----025	HARPER-----077	MORTON-----129	SHERMAN-----181
CLAY-----027	HARVEY-----079	NEMAHA-----131	SMITH-----183
CLOUD-----029	HASKELL-----081	NEOSHO-----133	STAFFORD-----185
COFFEY-----031	HODGEMAN-----083	NESS-----135	STANTON-----187
COMANCHE-----033	JACKSON-----085	NORTON-----137	STEVENS-----189
COWLEY-----035	JEFFERSON-----087	OSAGE-----139	SUMNER-----191
CRAWFORD-----037	JEWELL-----089	OSBORNE-----141	THOMAS-----193
DECATUR-----039	JOHNSON-----091	OTTAWA-----143	TREGO-----195
DICKINSON-----041	KEARNY-----093	PAWNEE-----145	WABAUNSEE-----197
DONIPHAN-----043	KINGMAN-----095	PHILLIPS-----147	WALLACE-----199
DOUGLAS-----045	KIOWA-----097	POTTAWATOMIE-----149	WASHINGTON-----201
EDWARDS-----047	LABETTE-----099	PRATT-----151	WICHITA-----203
ELK-----049	LANE-----101	RAWLINS-----153	WILSON-----205
ELLIS-----051	LEAVENWORTH-----103	RENO-----155	WOODSON-----207
			WYANDOTTE-----209

## OTHER ABBREVIATIONS

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

KANSAS-SW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
16S 43W 11	71	TEXAS O&G CORP	2 EVANS E	S	5156	5198	MRRW	5158 5167 5171 5179 5186 5191	B637
16S 43W 12	71	TXO PRODUCTION CORP	1 WHITE AB	S	5143	5201	MRRW	5143 5156 5184 5192 5202.5	C736
16S 43W 12	71	TXO PRODUCTION CORP	6 GARRISON A	S	5142	5201	MRRW	5172 5187 5192 5196	C690
27S 31W 9	81	ANADARKO PROD CO	1 HUMBLE C	S	5028	5069	MRRW	5041.5	A721
33S 34W 3	175	ANADARKO PROD CO	A-1 MCHARGUE	S	6070	6130	CSTR	6070 6082.5 6084 6086	S915
33S 34W 3	175	ANADARKO PROD CO	G-7 HITCH	S	6160	6276	CSTR	6166 6169	R258

KANSAS-SW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
33S 34W 19	175	ANADARKO CO	1 GUTTRIDGE C	S	6252	6299	CSTR	6269 6272 6279 6283 6291 6297	B089
33S 34W 20	175	ANADARKO CO	D-2 GUTTRIDGE	S	6235 6241	6237 6270	CSTR CSTR	6251 6263	B282
33S 34W 22	175	ANADARKO CO	B-1 ETZOLD	S	6242	6294	CSTR	6245.5	B283
33S 34W 29	175	ANADARKO CO	1 GUTTRIDGE B	S	6246	6274	CSTR	6253 6262 6268	B098
33S 34W 29	175	ANADARKO CO	A-4 FINCHAM	S	6234	6282	CSTR	6235 6239 6252 6256 6269 6273 6280	B304
33S 34W 29	175	ANADARKO CO	D-2 FINCHAM	S	6208	6312	CSTR	6281.5 6288.5 6291.5 6294 6296.5 6298	B284

**KANSAS-SW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
33S 34W 32	175	ANADARKO PROD CO	A-1 REEVER	S	6360	6406	CSTR	6366 6367 6377 6379 6415	R273
33S 37W 19	189	ANADARKO PROD CO	1 NELL A	S	6036	6108	MRRW	6040 6066.5 6082 6097	B311
33S 38W 10	189	ANADARKO PROD CO	A-2 GASKILL	S	6002	6076	MRRW	6002 6008 6016 6054 6062	B648
33S 40W 6	129	ANADARKO PROD CO	1 LOW G	S	5357	5394	MRRW	5366 5373 5380.5 5384 5392	A722

KANSAS-SW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
34S 32W 18	175	ANADARKO PROD CO	6-2 CONDIT	S	6219	6269	CSTR	6233 6236 6246 6258 6261 6267	R988



# MONTANA

## ABBREVIATED FORMATION/AGE NAMES

ACRK	- Ash Creek	DVNN	- Devonian	LKOT	- Lakota	RCLF	- Ratcliffe
AMSD	- Amsden	DWYR	- Dwyer	LSSL	- Last Salt	RDRV	- Red River
ASRN	- Ashern	EGLE	- Eagle	MCGN	- McGowan	RRDN	- Rierdon
BCKF	- Blackleaf	ELKB	- Elk Basin	MDDY	- Muddy	SALT	- Salt
BELT	- Belt	ELKP	- Elk Point	MDSN	- Madison	SBRS	- Sunburst
BGHR	- Big Horn	ELLS	- Ellis	MIDL	- Midale	SKCK	- Skull Creek
BGSN	- Big Snowy	EMBR	- Embar	MLTN	- Moulton	SLRN	- Silurian
BILD	- Bow Island	EMRS	- Emerson	MNLS	- Minnelusa	SLWS	- Salt Wash
BKKN	- Bakken	EXSH	- Exshaw	MRSN	- Morrison	SNDC	- Sundance
BOWS	- Bowes	FLTD	- Flathead	MSNC	- Mission Canyon	SNMN	- Stoney Mtn
BRPW	- Bearpaw	FRMN	- Fremont	MSSP	- Mississippi	SNNN	- Shannon
BRWN	- Brown Lime	FRNR	- Frontier	MVRD	- Mesaverde	SNVN	- Shaunavon
BWDN	- Bowdoin	FRUN	- Fort Union	MWRY	- Mowry	SPRF	- Spearfish
CBNK	- Cutbank	FUSN	- Fuson	NBRR	- Niobrara	SRRV	- Souris River
CCRT	- Cat Creek	GNTN	- Gunton	NCSL	- Newcastle	SRVR	- Sun River
CKLK	- Cooking Lake	GPSP	- Gypsum Springs	NSKU	- Nisku	SSVD	- Stensvad
CLGT	- Claggett	GRBL	- Greybull	NSSN	- Nesson	STTH	- Sawtooth
CLRD	- Colorado	GRNR	- Grenora	ODVC	- Ordovician	SWFT	- Swift
CLVL	- Cloverly	GRPN	- Greenpoint	OPCH	- Opeche	TMPC	- Tampico
CMBR	- Cambrian	GRVR	- Gros Ventre	OTTR	- Otter	TPCK	- Telegraph Creek
CRCs	- Cretaceous	HETH	- Heath	PCMB	- Precambrian	TPOT	- Teapot
CRLS	- Charles	IRLK	- Interlake	PIPR	- Piper	TRFK	- Three Forks
CRLSA	- Charles A	IRTN	- Ireton	PLPS	- Phillips	TSLP	- Tensleep
CRLSB	- Charles B	JDRV	- Judith River	PRIR	- Prairie	TYLR	- Tyler
CRLSC	- Charles C	JFRS	- Jefferson	PRKM	- Parkman	UNKN	- Unknown
CRLSD	- Charles D	KBBY	- Kibbey	PRYR	- Pryor	VGRD	- Vanguard
CVRS	- Converse	KDRK	- Kinderhook	PSPR	- Phosphoria	VRGL	- Virgil
DKOT	- Dakota	KOTN	- Kootenai	PTLC	- Potlatch	WDBD	- Woodbend
DPRW	- Duperow	LDGP	- Lodgepole	QRNR	- Quaternary	WNPG	- Winnipeg
DRWN	- Darwin	LEO	- Leo	RBBN	- Ribbon Sand	WPGS	- Winnipegosis
DSNB	- Dawson Bay						

**MONTANA**  
**COUNTY NUMBERS**

BEAVERHEAD-----001	GALLATIN-----031	MEAGHER-----059	ROSEBUD-----087
BIG HORN-----003	GARFIELD-----033	MINERAL-----061	SANDERS-----089
BLAINE-----005	GLACIER-----035	MISSOULA-----063	SHERIDAN-----091
BROADWATER-----007	GOLDEN VALLEY-----037	MUSSELSHELL-----065	SILVER BOW-----093
CARBON-----009	GRANITE-----039	PARK-----067	STILLWATER-----095
CARTER-----011	HILL-----041	PETROLEUM-----069	SWEET GRASS-----097
CASCADE-----013	JEFFERSON-----043	PHILLIPS-----071	TETON-----099
CHOUTEAU-----015	JUDITH BASIN-----045	PONDERA-----073	TOOLE-----101
CUSTER-----017	LAKE-----047	POWDER RIVER-----075	TREASURE-----103
DANIELS-----019	LEWIS AND CLARK-----049	POWELL-----077	VALLEY-----105
DAWSON-----021	LIBERTY-----051	PRAIRIE-----079	WHEATLAND-----107
DEER LODGE-----023	LINCOLN-----053	RAVALLI-----081	WIBAUX-----109
FALCON-----025	MCCONE-----055	RICHLAND-----083	YELLOWSTONE-----111
FERGUS-----027	MADISON-----057	ROOSEVELT-----085	YELLOWSTONE NATL. PAR-----113
FLATHEAD-----029			

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

**MONTANA-NE**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
1N 50E 21	17	MURPHY OIL CORP	1 MCINTOSH	S	5550 7390 7696 8556 8972	5587 7508 7802 8614 9088	DKOT MDSN MDSN DVNN	8584 8596 8602 8606	B332
2N 51E 6	17	CARTER OIL CO	1 TRAWEEK	C	7423 9001 9385 9615 10095	7435 9284 9394 9726 10135	UNKN UNKN UNKN UNKN UNKN	9059 9073	B819
5N 33E 16	111	CARTER OIL CO	1 STATE	S	5960 6007	6006 6071	PIPR TSLP	6022 6022.5 6061 6070	D013
5N 60E 14	25	SHELL OIL CO	33-14A BORDWELL	S	8518	8568	RDRV	8519 8522.5 8528 8531.7 8542 8563	A694
5N 61E 21	25	SHELL OIL CO	32-21 NP UNIT	S	8348	8375	RDRV	8350 8361 8373	A695
6N 47E 8	17	BARKER LAWRENCE JR	1 GOVERNMENT	S	8619	8679	RDRV	8675	C630
7N 31E 14	111	PETRO CORP OF TEXAS	1 GS ABEL	S	6325	6357	AMSD	6348	B854

MONTANA-NIE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
7N 32E 18	111	JACKMAN ROBERT P	A HORTON	S	6056 6108	6108 6119	PIPR AMSD	6106 6108 6111 6114 6118	B300
7N 32E 19	111	CARTER OIL CO	1-A HORTON HEIRS	S	6165 6176	6175 6194	PIPR AMSD	6176 6178 6180 6184 6185 6187 6189 6190 6193 6194	D026
7N 32E 20	111	CARTER OIL CO	1 CHARLES HORTON	S	6165 6176	6176 6194	PIPR AMSD	6122 6140 6143 6148 6157 6161 6163 6167 6173	D019
7N 32E 28	111	CARTER OIL CO	1 H O WHITE	F	6085 6098	6098 6169	PIPR AMSD	6118 6129 6132 6135 6142	T039

**MONTANA-NIE**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
7N 32E 28	111	CARTER OIL CO	2 H O WHITE	S	6125 6135	6135 6200	RRDN AMSD	6130 6134 6135 6136 6139 6146 6147 6148 6157	D017
								6159 6166 6168 6178 6180	
7N 32E 29	111	JACKMAN ROBERT P	1 GREYWOLF	S	6085 6134	6109 6154	PIPR AMSD	6137 6145 6153	D032
8N 26E 6	65	ROYAL RESOURCES	1 LIND	S	5975 6006	6000 6069	AMSD AMSD	6022 6023 6031 6037 6039 6042 6046 6050	B898
								6055 6062 6063 6066	
8N 59E 12	25	SHELL OIL CO	22-12 GOBLE	S	8944	8973	RDRV	8949.5 8955 8959.5	A505
9N 23E 21	65	OCCIDENTAL PET	1 GOVERNMENT KRANTZLER	S	3615	3648	AMSD	3625 3625.7 3645	B837

**MONTANA-NIE**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
9N 59E 23	25	JUNIPER PET	44X-23 HALMANS	S	8783	8842	LDGP	8789 8814-15 8840-41	A632
10N 27E 9	65	DOME PET LTD	8-9 BIGWALL	S	3711	3761	TYLR	3745 3757	C393
10N 60E 9	25	GEN AM OIL TEXAS	2-9 LUTTS	S	9269	9289	DPRW	9271 9276 9282	C060
10N 60E 9	25	GEN AM OIL TEXAS	3D-9 LUTTS	S	9301	9313	DPRW	9306 9307(2) 9311	B517
11N 25E 5	65	PETRO LEWIS	15-5 MANG	S	2529	2560	TYLR	2560	B348
11N 30E 36	65	BRITISH AMERICAN OIL	C-1 STATE	S	4612	4642	TYLR	4613 4615 4620 4622 4624 4625 4628 4630 4631 4636 4642	B852

MONTANA-NIE

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11N 31E 17	65	CHAMPLIN REP NAT GAS	10 NP	S	4026 4070 4137	4061 4103 4162	TYLR TYLR TYLR	4030 4034 4041 4042 4046 4049 4051 4059 4061	B853   4066 4087 4090 4092 4094 4162
11N 32E 8	87	CONTINENTAL OIL	1-A KINCHELOE	C	4650 4707	4681 4763	HETH HETH	4674 4725	C401
12N 47E 21	17	DOME PET LTD	1-21 BURLINGTON NORTHERN	S	7505	7650	MSNC	7508-09	B438
12N 49E 33	79	OHIO OIL	1 GOVERNMENT CRANSTON	S	8889 8944	8939 8994	RDRV RDRV	8911 8920.5 8947 8988	C032
13N 33E 35	87	GAS PRODUCING ENT	35-13-33 3 BNI	S	4833	4862	TYLR	4833 4834 4834.5 4836.5 3836.7 4840.5 4841.2 4841.9 4844(2) 4845	A508    4847(2) 4849(2) 4851(2) 4855(2) 4857 4858.5(2)

MONTANA-NE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
15N 35E 33	33	ARCO	1-33 BNRR COASTAL	S	6110 8773	6209 8789	CRLS EMRS	6110-11 6128-29 6149 6174-75 6185-86	B585  6198-99 6201-02
15N 37E 33	33	ATLANTIC REFINING	33-1 NP	S	5819 5827 5916 5938 5988 6285 7378 7685	5821 5829 5932 5943 6023 6312 7392 7699	CRLS CRLS CRLS CRLS CRLS CRLS DPRW RDRV	BELOW	B523
THIN SECTIONS									
	5819	5917	5938		6003.5	6014			
	5819.5	5918	5938.5		6004	6014.5			
	5820	5920	5939		6007	6019.5			
	5821	5921	5989.5		6009	6020			
	5827	5924	5990		6009.5	6023			
	5828	5924.5	5991		6011	6285.5			
	5916	5925.5	5993.5		6012	6288.5			
	5916.5	5926	5994						
15N 54E 4	21	TEXAS CO	1 GUELF	S	8995 9499	9109 9684	SLRN RDRV	9595	B861



MONTANA-NE

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16N 54E 17	21	TEXACO INC	2 NPG NCT-12	C	7730	7770	MSNC	7746 7748 7750 7752 7754 7756 7758 7760 7762 7764 7766	B925
20N 52E 21	21	COCKRELL CORP	1 BURLINGTON NORTHERN	S	8485 10238 10329	8545 10295 10429	MSNC DSNB IRLK	10266 10275 10339 10347 10410	A240
21N 46E 20	55	SOCONY-MOBIL	F-11-20-P WALLER	C	4875 5885 7120 8450 9005 9026 9071 9117 9388 9494 9808	4910 5920 7230 8510 9026 9071 9117 9388 9494 9808 9819	DKOT PIPR CRLS WDBD WDBD ELKP ASRN IRLK SNMN RDRV WNPG	9810A 9810B 9815	C381
21N 52E 16	21	PLACID OIL CO	16-1 STATE	S	10347	10407	IRLK	10364 10386 10394	Cl62
22N 59E 21	83	BASS ENTERPRISES	21-1 SCHEETZ	S	12230	12271	RDRV	12233	B318

MONTANA-NE

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22N 60E 8	83	SHELL OIL CO	24X-8 SWIGART	S	12455	12575	RDRV	12462 12464 12479.5 12523 12530.5 12544 12574	B382
23N 55E 16	83	LOUISIANA LAND & EXP	1 STATE 44-16-23-55	S	11796	11911	RDRV	11830 11835 11880	B514
23N 55E 4	83	CENERGY INC	1-4 WILLIAMS	F	10047 10050	10050 10081	TRFK BKKN	10055 10060	S542
23N 57E 1	83	WOODS PET CORP	1 GOON	S	12451	12546	RDRV	12463 12464 12479 12483 12543.5	A550
23N 57E 19	83	SOUTHLAND ROYALTY CO	2-19 NEVINS	S	12480 12530	12527 12554	RDRV RDRV	12429 12515	B604
23N 57E 33	83	TENNECO OIL	1-33 OBERGFELL	S	12513	12572	RDRV	12515 12562	B960
23N 58E 23	83	ENSERCH EXPL	1 GARTNER	S	12376 12422	12409 12446	RDRV RDRV	12393 12406 12426	A516

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23N 59E 17	83	SUN OIL	1 BEAGLE	S	8639 8970 10583 11467 11511	8689 9413 10608 11492 11525	MSNC MSNC NSKU NSKU NSKU	BELOW	B712
THIN SECTIONS									
	8640	9000	9185		9265	9345			
	8645	9005	9190		9270	9350			
	8650	9010	9195		9280	9355			
	8655	9015	9200		9285	9360			
	8660	9020	9205		9290	9365			
	8665	9025	9210		9295	9370			
	8670	9030	9215		9300	9375			
	8675	9035	9221		9305	9380			
	8680	9045	9225		9310	9385			
	8685	9050	9230		9315	9390			
	8970	9055	9235		9320	9395			
	8980	9060	9245		9325	9400			
	8985	9065	9250		9330	9405			
	8990	9080	9255		9335	9410			
	8995	9176	9260		9340				
23N 59E 26	83	SHELL OIL CO	42-26 LEWIS	S	12249	12426	RDRV	12333 12342 12357 12370	B825

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24N 45E 16	55	WEBB RESOURCES INC	16-3 STATE	S	5293	5353	KBBY	5311.5 5326 5327 5329 5332 5334 5336	C585
24N 49E 25	55	STAMEN EXPL	2-25 BERRETH	S	9210	9263	IRLK	9241 9242 9251 9256 9259	S099
24N 50E 30	55	PHILLIPS PET CO	1 SIEVERS	S	6962 9193 9242	6997 9242 9284	RCLF WPGS IRLK	6965 6972 6993 9197 9212 9222 9226 9230 9244 9247	B388  9253 9261 9263 9268 9272 9276 9283
24N 51E 8	83	LOUISIANA LAND & EXP	1 WATERS	S	6979	7290	CRLS	7043 7061 7085 7119 7170 7181 7185	A515

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24N 54E 35	83	SUPERIOR OIL CO	1 NPRR	S	11789 11849	11849 11090	RDRV RDRV	11797 11837 11867	C025
24N 58E 30	83	SUN OIL	1 DENNIS DYNNESON	S	9149 9251 10536 10660 12518	9251 9736 10615 10811 12682	CRLS MSNC TRFK WDBD RDRV	10682.9 10659.5 10677 10682.1 10696.1 10757.3 10820.5 10821 10879.5 10881.3 10899.9 10907.3 10953 10954.5 10963.5 10970	B371
24N 58E 32	83	SUN OIL	1 C J DYNNESON	S	12525	12647	RDRV	12542.5 12574 12577.5	B384
25N 57E 14	83	PENNZOIL CO	1 NORBY	S	12660	12716	RDRV	12680 12698 12711.5	A555
25N 57E 23	83	TENNECO OIL	1 PEDERSON	S	12672	12675	RDRV	11722 11730 11738.5 11739.5 11750 11757 11759.5 11760 11771 11775	B385
								11781.5 11792.5 11799.5 11801 11801.5 11809.5	

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25N 58E 13	83	SUPERIOR OIL CO	1 CHRISTIANSEN	S	11332 11396	11391 11456	WPGS WPGS	11350 11366 11380 11415 11450	B387
25N 58E 13	83	SUPERIOR OIL CO	1 VANDERHOOF-A	S	12530	12590	RDRV	12539.5 12543.5 12583	B380
25N 59E 18	83	SUPERIOR OIL CO	1 VANDERHOOF-B	S	11375	11475	WPGS	11375 11410 11451 11470	B383
25N 59E 18	83	SUPERIOR OIL CO	1 VANDERHOOF-C	S	12461	12563	RDRV	12477.5 12500 12513 12537 12552 12563	B386
26N 1E 34	99	FARMERS UNION	2 STATE	F	3233	3272	DPRW	3251 3270 3286	R386
26N 58E 20	83	LUFF-HANOVER	1-20 FEDERAL	S	12321	12381	RDRV	12356	B381

**MONTANA-NIE**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
26N 59E 22	83	CENERGY INC	1-22 RASMUSSEN	S	8841 12724	8895 12738	RCLF RDRV	8848 8852 8856 8864 8870 8875	S916
27N 59E 32	85	HELMERICK & PAYNE	1 HALVORSON	S	8995	9025	RCLF	9007 9014 9021 9024	C553
28N 49E 35	85	HUMBLE OIL & REF	1 AULT	S	7403	7453	NSKU	7427 7443	B818
28N 51E 14	85	MURPHY OIL CORP	101 EAST POPLAR UNIT	S	4959 5176 5743 5810 5865 6100	4979 5229 5763 5865 5880 6203	HETH HETH MDSN MDSN MSNC MSNC	5743 5845	C249
28N 52E 18	85	MURPHY OIL CORP	2 EAST POPLAR UNIT	S	5656 5785 5809 5863 6198	5688 5809 5823 6059 6285	UNKN UNKN UNKN UNKN UNKN	5817.4 5864 5896 5891.5	C312
29N 40E 12	105	MERIT ENERGY	1-12 MCINTYRE	S	6008	6068	DPRW	6014 6016 6038.5 6048	C051

**MONTANA-NE**

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29N 47E 21	85	PLACID OIL CO	1 GEORGE GAYSON	C	7420	7454	NSKU	7448	C967
29N 49E 4	85	UNION OIL	1-M 4 CLARK	S	7516	7576	NSKU	7518 7526 7543 7556	C099
29N 49E 5	85	PHILLIPS PET CO	1 WAR CLUB	S	7499	7579	DPRW	7551 7563	C629
29N 49E 18	85	BRINKERHOFF DRLG	A-1 ZIMMERMAN	C	6113 6720	6148 7675	CRLS NSKU	6115-16 6116-17 6118-19 6124-25(2) 6129-30 6135-36 6139-40 6143-44 6146 7626 7648 7673	B811
29N 49E 26	85	PLACID OIL CO	1 DOLEZILEK	S	7450	7510	NSKU	7478 7504	B813



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29N 50E 2	85	POLUMBUS CORP	2-1 RICHARDS	S	6074 6224	6134 6268	CRLS CRLS	6075 6108 6123 6128 6228 6237 6240 6242 6250(2) 6250.6	C165
29N 50E 11	85	POLUMBUS CORP	1 FEDERAL COWAN-W-LAND	S	6150	6170	CRLS	6160.7 6163.2 6164.5	C164
29N 50E 11	85	POLUMBUS CORP	1 WAR CLUB	S	5954	6012	CRLS	5960 5989 5998.9 5978.1	C163
29N 50E 16	85	UNION OIL	1-H 16 KOHL	S	6118 6134	6130 6181	RCLF RCLF	6139	C267
29N 50E 20	85	UNION OIL	1-A-20 HARRY MASON	S	8951 9011	9005 9066	RDRV RDRV	8960 8998 9064	B610
29N 50E 25	85	MURPHY OIL CORP	46 EAST POPLAR UNIT	S	5517 5540 5709 5856	5520 5545 5713 5859	CRLS CRLS CRLS CRLS	5545	C175

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29N 51E 19	85	MURPHY OIL CORP	109 EAST POPLAR UNIT	S	5140 5172 5640 5667 7231	5164 5235 5665 5688 7254	KBBY KBBY CRLS CRLS NSKU	7235 7242	C272
29N 55E 28	85	ANADARKO PROD CO	1-28 STATE A	S	11823	11865	RDRV	11825 11827 11832 11835 11848 11851	A892
29N 58E 31	85	SOUTHLAND ROYALTY CO	1-31 RUDOLPH	S	11398	11455	WPGS	11399 11415 11432 11453 11410	B461
30N 19E 13	5	MULE CREEK OIL	1 GORDON	S	1994 2905	2064 2982	STTH NSKU	2907-08 2915-16 2918-19 2926 2928 2934 2944 2946 2946-47 2948 2966.5 2975	C095

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30N 44E 3	105	EXXON CORP	1 TIEZEN-TOEWS	S	5940	6000	MSNC	5940.5 5941 5969 5973 5995	C105
30N 44E 17	107	HOME PET	1-17 OLFERT CATTLE	S	5719	5777	CRLS	5720 5725 5729 5732 5735 5741 5752 5754 5764 5769 5772 5775	C335
30N 45E 24	105	CARDINAL PET	1 IRONCLOUD- OWENS	S	7218	7278	NSKU	7221 7248 7269 7277	B916
30N 45E 24	105	PHILLIPS PET CO	1-A SCHULTZ	C	6362 7340 7382 7498 8906	6440 7382 7436 7499 9011	CRLS NSKU DPRW SLRN WNPG	6363 6365 6368 6384 6390 6392 6394 6400 6402	B929  6410 6419 6425 6431 6433

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30N 46E 4	85	MURPHY OIL CORP	1 COURCHENE	S	7293	7350	NSKU	7321 7328 7330 7340	B804
30N 46E 4	85	MURPHY OIL CORP	2 COURCHENE	S	5932 7232	5972 7258	MDSN NSKU	5934 5950 7250 7256	C008
30N 46E 8	85	MURPHY OIL CORP	1 DEMARRIAS	S	6024 7334	6060 7386	CRLS NSKU	7338 7341A 7341B 7348A 7348B 7351 7352 7354 7365	B664
30N 46E 8	85	PLACID OIL CO	1 D L TRIMBLE	S	7182 7232 7400	7232 7264 7417	NSKU NSKU DPRW	7230 7249 7401 7409	B918
30N 46E 8	85	PLACID OIL CO	1 DEMARRIAS	S	7279	7330	NSKU	7284 7327	C011
30N 47E 11	85	HUMBLE OIL & REF	1 HAUGE	F	7662	7720	NSKU	7668 7677 7696 7700	R514

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30N 47E 13	85	HUMBLE OIL & REF	1 MCKEE	S	7632 7855	7678 7860	NSKU DPRW	7635.5 7646 7663 7663.5	B437
30N 47E 13	85	PLACID OIL CO	1 L W LOUGH	C	7622 7640	7640 7698	NSKU DPRW	7633 7636 7647 7658 7672	C174
30N 47E 13	85	PLACID OIL CO	2 L W LOUGH	C	7653 7680	7678 7721	NSKU NSKU	7669 7703 7674 7683	B839
30N 48E 8	85	MURPHY OIL CORP	1 MORRIS	S	7684	7735	NSKU	7700 7718.5 7726	B915
30N 48E 14	85	MURPHY OIL CORP	1 LILLIAN UNIT	S	7508	7563	NSKU	7511 7516 7531 7545	C850
30N 48E 15	85	MURPHY OIL CORP	1 BRIDGES	S	6850 7487	6887 7547	CRLS NSKU	7488 7498 7501 7521 7539	B666
30N 48E 17	85	MURPHY OIL CORP	1 ZIMMERMAN	S	7694	7747	NSKU	7707 7730	B419

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30N 48E 17	85	MURPHY OIL CORP	2 ZIMMERMAN	S	7655 7678 7705	7676 7700 7734	NSKU NSKU NSKU	7660 7677 7687.5 7689 7695 7706 7707 7710 7714 7728	B421
30N 48E 18	85	MURPHY OIL CORP	1 SLETVOLD	S	7662 7674	7668 7680	MDSN MDSN	7662 7674	B363
30N 48E 19	85	MURPHY OIL CORP	1 BJORGEN	S	7675	7735	NSKU	7688 7724	B919
30N 48E 19	85	MURPHY OIL CORP	1 SLETVOLD B	S	7598	7684	NSKU	7601 7621.5 7635 7641 7642 7650 7664 7665(2) 7672 7679.5	B364

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30N 48E 20	85	MURPHY OIL CORP	1-B SETHRE	S	7659	7749	NSKU	7569 7679 7684 7689 7694 7710 7718	B799
30N 48E 20	85	PHILLIPS PET CO	1-A SETHRE	S C C	6023 6177 6313	6060 6270 6379	CRLS CRLS CRLS	BELOW	B627
THIN SECTIONS									
	6028	6199	6246		6336.5	6357			
	6042	6208	6261		6340	6363			
	6043	6212	6270		6342	6366.5			
	6047	6216	6315		6344	6368.5			
	6177	6222	6318		6346	6371			
	6185	6229	6324		6347	6373			
	6191	6234	6326		6349				
30N 48E 21	85	PHILLIPS PET CO	1-B ZIMMERMAN	S	7729	7760	NSKU	7740 7748 7756	D002
30N 48E 31	85	R K PETROLEUM	1 TRIBAL	S	7622	7672	NSKU	7644 7656 7658 7660	C402

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30N 49E 15	85	MURPHY OIL CORP	1 O'CONNER	S	6506 6527 6545 7089 7849	6522 6542 6562 7099 7911	MDSN MDSN MDSN MDSN NSKU	6546 7884 7902	B665
30N 50E 28	85	GEN AM OIL TEXAS	1-28 LONG CREEK	S	6189 6328 7762	6242 6388 7797	CRLS CRLS NSKU	BELOW	S097
THIN SECTIONS									
6189	6215	6330	6357	6378					
6190.5	6221	6336	6361	6379					
6191	6224	6342	6363	6381(2)					
6192	6227	6346	6363.5	6384					
6193	6231	6349	6365	6386					
6196	6235	6351	6369	6387(2)					
6199	6245	6354	6371	6387.5					
6210	6247	6355(2)	6371.5	7775					
6211	6328	6356	6375	7791					
6213									
30N 57E 13	85	SUPERIOR OIL CO	1 JACOBSON ESTATE	S	12198	12278	RDRV	12238.5 12240.5A 12240.5B 12250.5 12258 12274 12274.5 12277.8	B117



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30N 57E 35	85	PHILLIPS PET CO	1 MCCAULEY	S	8655	8709	RCLF	8669 8678 8699	C544
30N 58E 17	85	SUPERIOR OIL CO	2 JACOBSEN ESTATE	S	8670 12294	8721 12374	RCLF RDRV	8692 8702 12325 12329 12331 12331-32 12345 12354 12358 12369.6	B677
31N 16E 30	41	HIGH CREST OILS LTD	30-1 ANDERSON	S	1379	1463	EGL	BELOW	A700
THIN SECTIONS									
1379	1399(2)	1420	1437	1452					
1380	1402	1421	1439	1453					
1382	1404	1425	1440	1454					
1385	1406	1426	1442	1455					
1386	1408	1428	1443	1457					
1387	1410(2)	1429	1445	1458					
1388	1411	1430	1446	1459					
1390	1413	1431	1447	1460					
1392	1415	1433	1448	1461					
1395	1417	1435	1450	1462					
1398	1419	1436							

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31N 28E 25	71	CARTER OIL CO	1 TUMA	C	3626 3664 4715 4725	3664 3720 4725 4782	STTH TRFK TRFK NSKU	4730 4751 4770 4773	B775
31N 41E 21	105	WEBB RESOURCES INC	21-1 EGGLEBRECHT	S	4971 5092	5022 5149	CRLS CRLS	BELOW	C304
THIN SECTIONS									
	4972	5007	5022	5110	5126				
	4979	5010	5092	5117	5131				
	4991	5011	5098	5118	5138				
	4995	5017	5099	5124	5146				
	4996	5020	5108	5125	5149				
	4999								
31N 44E 11	105	CLAYTON WILLIAMS JR	2-11 SANVIK	S	5914 5990 6040	5943 6020 6070	RCLF MSNC MSNC	5915 5920 6056	S889
31N 44E 21	105	CLAYTON WILLIAMS JR	1-21 HUEBERT	S	5845	5900	CRLS	BELOW	D197
THIN SECTIONS									
	5847	5868	5877	5888	5897(2)				
	5850	5870	5882	5889	5897.5				
	5854	5871	5883	5890	5898				
	5858	5872	5885(2)	5891	5898.5-99.5				
	5860	5874	5886	5892	5900				
	5865	5875	5887	5896					

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31N 44E 28	105	EXXON CORP	1 K-UNRAU	S	5736	5797	CRLS	BELOW	C261
			THIN SECTIONS						
	5744	5753	5769(2)		5778(2)	5785			
	5745	5754	5771		5779	5786			
	5746	5755	5772		5780	5790			
	5748	5759	5773		5781	5791			
	5749	5762	5774		5782	5793			
	5750	5766	5776		5783(2)	5795			
	5751(2)	5767							
31N 45E 23	105	PHILLIPS PET CO	1 UNRUH	S	5785	6215	CRLS	5789 5800 5805 5820 5906 5916 5921 5938 6014 6065 6068 6116	B850
								6170 6188 6190 6193 6201 6205 6208 6209 6217	
31N 46E 23	85	BRITISH AMERICAN OIL	1-B THOMPSON	S	7490	7570	NSKU	7494 7538 7560 7528	B917

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31N 47E 16	85	DAVIS OIL CO	1 STENSLAND	C	7647 7697	7697 7747	NSKU NSKU	7669 7682 7711 7733	B423
31N 48E 20	85	MURPHY OIL CORP	1 LOVES HIM	S	6942 7000 7638	6957 7042 7674	MDSN MDSN NSKU	7655 7657 7665 7670	B124
31N 48E 20	85	MURPHY OIL CORP	1 MULE CREEK ALLOTTED	S	7608 7785	7670 7806	NSKU DPRW	7613.5 7622 7634 7647 7664 7804	B442
31N 48E 25	85	MURPHY OIL CORP	1 TRIBAL BROOKMAN	S	6278 6400 7812	6302 6418 7855	CRLS CRLS NSKU	6279 6284 6285.5 6288.5 6291 6292 6400 6401 6405 6406 6417 7796 7800	B675  7801.5 7805 7812 7813 7818 7824 7825 7827 7839 7850

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31N 51E 5	85	TENNECO OIL	1 MANNING	S	8559	8610	NSKU	8564 8573 8602 8609	C002
31N 58E 27	91	SUPERIOR OIL CO	44-27 OSTBY	S	8470 10041 12395	8573 10100 12458	RDRV RDRV RDRV	12421	B681
31N 59E 8	91	HOME PET	1-8 HOFFELT	S	8235	8273	RCLF	8258.1 8265.9	C240
32N 1E 28	101	QUINTANA PET	1-28 SKESLIEN	F	2855	2882	UNKN	2858 2871(2)	C902
32N 42E 34	105	EXXON CORP	1 L & G REDDIES	S	5154 5245 5510	5212 5365 5569	CRLS CRLS MSNC	BELOW	B790
THIN SECTIONS									
	5151	5182.2	5212	5284	5313(2)				
	5158	5184	5246	5294	5326				
	5162	5189	5249	5297	5335				
	5163	5193	5257	5257	5351				
	5176.5	5194(2)	5269	5300	5352				
	5177	5198.5	5274	5306	5363				
	5180	5207	5278	5311	5549.5				
32N 48E 28	85	SUPERIOR OIL CO	1 ROSEBUD	S	7675	7732	NSKU	7695	B669

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32N 50E 19	85	CALIFORNIA OIL CO	13-1 TRIBAL	C	6253 6385 6513 6545	6311 6443 6545 6550	CRLS CRLS CRLS MCGN	6266 6285 6289 6295 6300 6407 6420 6435 6440	C386
32N 52E 8	85	CARTER OIL CO	1 SOO TRIBAL	S	8682 9762 9848	8702 9764 9853	NSKU WPGS SLRN	9752	C838
32N 57E 14	91	GULF OIL	2-14-1B STRINGER	S	7765	7800	NSSN	7766 7770 7774.7 7775.5 7776 7783 7786.5 7789 7790.5 7793 7796 7799.5	R925

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32N 58E 13	91	PHILLIPS PET CO	1-D ANDERSON	S	7720	7780	RCLF	7726 7768 7773	B672
32N 58E 25	91	TEXOTA OIL CO	1 E J OLSON	S	7822	7872	DWYR	7824 7830 7831 7834 7837 7838 7838.5 7840.9 7841 7842 7843 7843.2	B796
32N 58E 27	91	SUN OIL	1 N F WILLIAMSON	S	7860	7920	RCLF	7868 7907	B671

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32N 58E 28	91	SIGNAL DRLG & EXPL	1 HENKE	S	7861	7915	DWYR	7861 7866 7867.5 7871.5 7874.5 7875.5 7879.8 7880.3	B369
32N 58E 31	91	JAYHAWK EXPL INC	1 BONNIFIELD	S	7756	7815	RCLF	7756 7765.5 7758 7758.7 7760.6 7768 7771 7774 7775.5 7781 7785 7787 7789 7791	B370
33N 1E 25	101	QUINTANA PET	1-25 KANNING	S	2925	2997	NSKU	2941(2) 2949 2969	C911
33N 2E 10	101	QUINTANA PET	1-10 GUIETH	S	3010	3065	NSKU	3032 3045 3053	C845



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33N 47E 26	19	SUPERIOR OIL CO	44-26 SUCHY	S	7447 9250	7506 9310	NSKU WNPG	9250 9286 9305	C044
33N 49E 10	19	MURPHY OIL CORP	1 NYTHUS	S	6510 6630 6700 6768 6837	6554 6685 6756 6795 6894	CRLS CRLS CRLS CRLS CRLS	BELOW	C840

**THIN SECTIONS**

6513	6550	6717	6791	6861
6521	6644	6721	6795	6868
6523	6658	6755	6838	6877
6538	6680	6770	6842	6886
6544	6683	6776	6847	6890
6548	6702	6785		

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33N 49E 34	19	CALIFORNIA OIL CO	1 PAULSON	S	6442 6560 6703 6726 7126 7310 7406	6484 6605 6726 6779 7184 7359 7412	CRLS CRLS CRLS MCGN MSNC MSNC MSNC	BELOW	B784
THIN SECTIONS									
	6445	6572	6719	6742	7126				
	6455	6591	6726	6743	7127				
	6459	6600	6728(2)	6752	7133				
	6465	6601	6729	6760	7139				
	6473	6605	6731	6760	7151.5				
	6481	6705	6732	6773	7178				
	6483.5	6714	6735.5	6775	7351				
33N 55E 10	91	HELMERICH & PAYNE	1-10 LUND TRIBAL	S	7387 7703	7412 7733	RCLF MSNC	7392.6 7393 7404 7406	S196
33N 55E 2	91	SOUTHPORT EXPL INC	2-2 HANSEN	S	7220 10810	7280 10833	RCLF UNKN	7226 7241.2 7271.9	R277

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33N 56E 29	91	FARMERS UNION	21-29 FOLSAM	S	10173 11158	10206 11194	WPGS RDRV	10188 10204 11160 11168 11175 11177(2) 11180	B447
33N 56E 30	91	FARMERS UNION	43X-30 NELSON	S	11105	11141	RDRV	11116 11128	B448
33N 56E 31	91	FARMERS UNION	22X-31 ANGVICK LANDER	S	10121	10178	WNP	10136	B453
33N 57E 14	91	WORLD WIDE ENERGY	1 SAMPSON	S	11255	11301	RDRV	11256 11259 11270 11276 11281 11286 11287	C036
33N 57E 8	91	SIGNAL-ROCKY MTN EXP	1 JOHNSON	S	7476 8950 8962	7507 8962 9012	CRLS TRFK NSKU	8970 8976 8980 8984 8988 8992 8996 9000 9004	B567

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33N 58E 17	91	PATRICK PET CO	2 GUENTHER	F	7344 7584 8758	7356 7704 8784	RCLF MSNC TRFK	7642 7647 7662 7670 7688	R607
33N 58E 21	91	PATRICK PET CO	1 THUESON- SORENSEN	S	11100	11160	RDRV	11100 11105 11108 11110 11113 11115 11119 11129 11136.5	B445   11140.5 11143 11145(2) 11151 11154 11160
34N 1E 4	101	QUINTANA PET STATE	1-4 CELCIUS	S	2978	3036	NSKU	2984 3004(2) 3004.3 3012.5 3013 3014 3014.6 3016	C849   3016.9 3019 3020.6 3026 3029
34N 1E 6	101	QUINTANA PET	2-6 HENDLEY	S	2955	3015	UNKN	2969 2978 2991(2) 3008 3011	C912

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34N 1E 16	101	COASTAL O&G CORP	1 COGC 16-34-1 STATE	S	2940	2970	NSKU	2949 2954 2959 2965	D071
34N 1E 18	101	QUINTANA PET	1 L S FARMS	S	2940	2977	NSKU	2950(2) 2967 2975(2)	C933
34N 40E 1	105	LIVINGSTON COURDIN	1-7 VEGGE	S	5431	5491	RCLF	5443 5449 5452 5453	R240
34N 43E 6	105	SHELL OIL CO	41-6 TARUM	S	5808 7058	5868 7111	CRLS DPRW	5823 5834 5839 5843 5848 5852 5857 5862 5868	B823
34N 44E 16	19	SHELL OIL CO	16-1 STATE	S	7108	7229	NSKU	7113 7121 7127 7142 7152	A503
34N 49E 9	19	CZAR EXPL	1 LINDQUIST	S	6615	6639	DPRW	6632	C007

**MONTANA-NIE**

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34N 52E 7	91	HUNT H L ESTATE	1 USA GREY 7	S	9404	9464	WPGS	9407 9421 9431 9455	C031
34N 54E 10	91	QUINTANA PET	1 L MARSH	S	7205 8618 10720	7255 8668 10748	RCLF NSKU RDRV	10724 10728 10738 10749	C901
34N 56E 28	91	TERRA RESOURCES INC	1-28 GRIMSRUD	S	9710 9778	9772 9838	DSNB PRIR	9711	B440
34N 56E 33	91	TERRA RESOURCES INC	1-33 BREKKE- GRIMSRUD	S	9886	9941	DSNB	9927 9939	R625
34N 58E 10	91	HUNT H L ESTATE	1 H DOMINEK	S	7106 7118 7131	7114 7120 7156	RCLF RCLF RCLF	7106 7112 7118 7131 7144 7152	C563
34N 58E 12	91	KING RESOURCES	1 ONSTAD	S	7205	7237	RCLF	7208 7222 7224 7228 7233 7236	D118

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34N 58E 9	91	SIGNAL DRUG & EXPL	1 BAST	S	7072	7126	RCLF	7091 7095 7102 7109 7115 7125	C556
34N 58E 26	91	ORBIT OIL & GAS	1 MELBY	S	7270	7322	RCLF	7285 7300 7322	C542
35N 1E 19	101	ENERGY RESERVE GROUP	1 SELINA IRELAND	S	3206	3263	NSKU	3207.5 3208 3208.5 3213 3217 3221 3223 3224 3232 3233 3253 3262	B952
35N 55E 32	91	W H HUNT TRUST	1 HELEN FURST	S	6836	6890	MDSN	6836 6838 6871	C599
35N 56E 18	91	ONSTAD-SIGNAL EXPL	1 TILFORD KYLLO	S	7180	7214	RCLF	7182.5 7200	B948

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35N 56E 18	91	SIGNAL DRLG & EXPL	1 THOMPSON	S	7050	7096	RCLF	7074.5 7085.5 7087 7094	B954
35N 57E 12	91	EASON OIL CO	1-12 OSKSA	S	6917	6965	RCLF	6935.5 6937 6944.5 6955	C012
35N 57E 14	91	SIGNAL DRLG & EXPL	1 NELSON	S	6908 7079 7102	6966 7102 7161	CRLS RCLF DWYR	7083 7086(2) 7114 7138 7147	C662
35N 58E 5	91	SUN OIL	1 J SHOAL	S	6818	6865	RCLF	6831	B922
35N 58E 8	91	SUN OIL	1 OSKSA	S	6930 7032	7032 7285	RCLF MSNC	6946 6955.1 6981 7277	B619
35N 58E 11	91	SUN OIL	1 J ELM	S	6890 6914 6924 6924 6941 6955	6909 6915 6936 6943 6950 6963	RCLF RCLF RCLF RCLF RCLF RCLF	6928.5 6933	C016



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35N 58E 13	91	SIGNAL DRIG & EXPL	1 R GAENSLER	S	6930	7011	RCLF	6938 6941 6960 6974 6998 7007	C552
35N 58E 16	91	SIGNAL DRIG & EXPL	1 STATE	S	6888 6897 6920 7011 7237	6896 6920 6996 7020 7247	RCLF DWYR MSNC MSNC MSNC	6899 6909 6911 6919 6923-24 6928 6977 6984 7239	B785
35N 58E 19	91	SIGNAL DRIG & EXPL	1 C PETERSON	S	7022 7080 7130	7080 7130 7183	CRLS DWYR MSNC	7072 7077 7120-24 7122 7130-33	C361
35N 58E 21	91	SIGNAL DRIG & EXPL	1 STATE	S	6941	7028	RCLF	6954 6956 6985 7014 7019	B955

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36N 47E 12	19	CARTER OIL CO	1 S W DANIELSON	C	5545 5671 6270 6960 7140 7380 7580 8430 8880 8986 9050	5615 6265 6960 6995 7315 7425 7630 8875 8986 9025 9225	CRLS MSNC LDGP KDRK NSKU WDBD WDBD IRLK IRLK SNMN RDRV	5555 5585 5600 5720 5740	C360
36N 52E 21	91	AMERADA PET	1 J A THORSON	S	8845 9619	8989 9727	ODVC ODVC	8881 8975	C577
36N 52E 35	91	AMERADA PET	1 H D LOUCKS	S	9198 9230 9470 9680 9735 9789 9895 9940	9230 9278 9496 9732 9785 9822 9939 9998	ASRN SLRN SLRN GNTN RDRV RDRV RDRV RDRV	9717 9758 9897 9903 9928 9940 9941 9972 9995 9997	C045

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36N 52E 35	91	AMERADA PET	2 H D LOUCKS TRACT 1	S	9213 9227 9774	9215 9233 9935	RDRV RDRV RDRV	9776 9794.5 9804 9827 9841 9849 9855 9858 9867	C063  9874 9894 9910.5 9914 9926.5 9934
36N 53E 20	91	AMERADA PET	1 R L WEST	S	8985 9038	9036 9099	WPGS ASRN	9027 9029(2) 9042 9085	C040
36N 53E 21	91	AMERADA PET	1 NORAGER	S	8937 9014	9014 9037	WPGS ASRN	8943 8961 8966 8982 9000	B439
36N 53E 33	91	AMERADA PET	1 JOHNSON	S	9081 9880 10061	9221 9941 10068	PRIR ODVC ODVC	9090 9108	C643
36N 55E 27	91	CAMERLAND CARDINAL	41-27 HEPPNER	S	6864	6914	MDSN	6868 6886 6907	B441
36N 56E 3	91	MURPHY OIL CORP	1 GOETZ	S	6826	6908	RCLF	6846.5 6855 6879 6895.5	C092

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36N 56E 16	91	MURPHY OIL CORP	1 BUMMER STATE	S	6858	6929	RCLF	6858.5 6859 6866 6890 6911 6922	B597
36N 57E 10	91	MONSANTO	1 OLSON	S	6715	6790	RCLF	6725 6728 6754	B828
36N 57E 13	91	XPLOR ENERGY	33-13 HAMMER LAGERQUIST	S	6755	6792	RCLF	6756 6759 6763 6764 6767 6784 6790	C514
36N 58E 11	91	ORBIT OIL & GAS	1 SCHULTZ	S	6610	6674	RCLF	6633 6634 6641 6649.5 6654	C021
36N 58E 21	91	CHEVRON OIL	1 ORVIL NORDHAGEN	S	6818	6869	RCLF	6813.5 6818 6822.5 6833.5 6850	B944

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36N 58E 26	91	COTTON PET-BROOKS EX	1 NORDHAGEN	S	6718	6768	RCLF	6735.5 6745 6752 6753.5	C018
36N 58E 28	91	SIGNAL DRLG & EXPL	2 KELDSEN	S	6759	6811	RCLF	6786 6793 6805	B930
36N 58E 29	91	SIGNAL DRLG & EXPL	1 REED	S	6804	6852	RCLF	6805 6814 6818(2) 6824.5 6841	C015
36N 58E 32	91	SIGNAL DRLG & EXPL	2 HJELM	S	6849	6891	RCLF	6859 6868 6875.2	C532
36N 58E 33	91	SIGNAL DRLG & EXPL	1 TED LAGGERQUIST	S	6856 6881	6865 6890	RCLF RCLF	6862 6885	C009
36N 58E 34	91	ELK OIL	1 OSKSA	S	6818 6836	6835 6870	RCLF RCLF	6824 6826.5 6835 6852.5 6858	C268
36N 58E 35	91	SUN OIL	1 E J LANDER CO	S	6835	6895	RCLF	6835.5 6868 6874 6891.5	C288

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36N 58E 36	91	SIGNAL DRLG & EXPL	1 STATE NORDHAGEN	S	6738	6780	RCLF	6749.5 6752 6752.75 6756 6760	C287
37N 5E 8	51	CARDINAL PET	8-8 STATE DARROW	S	2896 2918	2905 2926	SWFT SWFT	2899	C188
37N 5E 9	51	CARDINAL PET	12-9 STATE DARROW	S	2856	2908	SWFT	2860 2869	C191
37N 5E 26	51	NPRR	42-26 CORCORAN GRAY	S	2860	2892	SWFT	2869 2890	C176
37N 51E 29	91	ANADARKO PROD CO	1 SCOTT	S	9480 9643	9540 9703	RDRV RDRV	9492.5 9514 9688.8 9690 9696.5	B320
37N 53E 23	91	IMC EXPL CO	1 HASS WILLIAM HARLOW	S	8921 8949 8980 9097	8947 8979 9038 9153	PRIR PRIR PRIR WPGS	9138	B970

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37N 55E 7	91	SUN OIL	1 STRAKE GOVERNMENT	S	6387 7858	6467 7908	RCLF NSKU	6390 6394 6399 6402 6408 6426 6429 6433	B568
37N 56E 6	91	TIGER OIL	44-6 BOLKE	S	10182	10242	RDRV	10232	B544
37N 56E 9	91	AMOCO	1 I J JOHNSON	S	6520 6567	6543 6571	RCLF RCLF	6533.5 6540 6568	A640
37N 56E 36	91	MURPHY OIL CORP	1 QUINTANA STATE	S	6638	6693	RCLF	6664 6678 6691	C864
37N 57E 5	91	SUN OIL	3 HELLEGAARD	S	6570 8017	6592 8063	RCLF NSKU	8032 8044 8045 8049 8054 8055 8065	C149

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37N 57E 8	91	SUN OIL	1 HELLEGAARD	S	6521 9285 10025 10200	6638 9333 10200 10439	RCLF PRIR SNMN RDRV	6528 9286 9299 9311 10071 10110 10167 10194 10224 10244 10258 10277 10340 10365 10428	B688
37N 57E 8	91	SUN OIL	A-2 M HELLEGAARD	S	6438 7914	6488 7973	RCLF NSKU	6457 6459 6461(2) 6475 6481 6482 6488	C534
37N 57E 14	91	CHEVRON OIL	2 B D KNUDSON	S	6518	6576	RCLF	6526 6537 6545	C847
37N 57E 15	91	SUN OIL	2 C P JERDE	S	6467 6526	6487 6585	RCLF RCLF	6437 6467 6468 6479	C545
37N 57E 22	91	SUN OIL	1 E NEGAARD	S	6485	6541	RCLF	6496 6498 6512 6519 6540	C554



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37N 57E 25	91	GRACE PETROLEUM	25-6 HAUGEN	S	6467 6501	6488 6515	RCLF RCLF	6471 6472.1 6476 6785.2 6505	C616
37N 58E 5	91	CHEVRON OIL	5 ANDERSON A	S	6450	6480	RCLF	6455 6460 6468.1	C541
37N 58E 7	91	CHEVRON OIL	3 E EGGEN	S	6484 6517	6517 6553	CRLS RCLF	6495.5 6498 6499.5 6518 6524	B474
37N 58E 18	91	CHEVRON OIL	7 P SOLBERG	S	6491 6531	6512 6566	RCLF RCLF	6509 6512 6532.5 6534 6537.5	B431
37N 58E 29	91	KELLENBERGER	1-29 FERGUSON	S	6485	6536	RCLF	6488 6500 6514 6526 6528	C555

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37N 58E 30	91	CHEVRON OIL	1 FERGUSON	S	6460	6598	RCLF	6465 6470 6473.5 6476 6478 6488.5	B956
37N 58E 30	91	KELLENBERGER	1-30 CHESTER SOLBERG	S	6511	6561	RCLF	6519.1 6522.1 6551.8	B947

**MONTANA-NW**

20N 3W 36	13	PAN AMERICAN PET	1 G-STATE	C	4365 4576	4565 4675	DPRW DPRW	BELOW	B652
			THIN SECTIONS						
	4373	4411	4466		4500	4561(2)			
	4386	4435	4473		4503	4598			
	4393	4444	4491		4528	4622			
	4409	4465	4499		4553	4661			
22N 5W 18	99	OXY PETROLEUM	18-1 HODGEKISS FARMS, INC	S	3834 5639 5777	3878 5669 5836	SWFT DPRW DPRW	BELOW	C745
			THIN SECTIONS						
	3836	5648	5778.5		5805.5	5821			
	3865	5653.5	5786		5809	5826			
	5640	5658	5790		5812	5830			
	5643	5662	5795.5		5815	5832			
	5645	5667	5801		5818				

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22N 5W 32	99	RAINBOW RESOURCES	1-32 PEARSON BROTHERS	S	5410	5428	PTLC	5420 5423	B644
24N 3W 20	99	MONTALBAN OILS INC	1 FERRIS	S	3500	3558	DPRW	3504 3508 3510 3511 3519 3522 3525 3531	B645  3532 3534.5 3554 3555 3556
24N 3W 26	99	OXY PETROLEUM	26-1 NEW ROCKPORT COLONY	S	3497 3815	3547 3874	DPRW DPRW	BELOW	S763
THIN SECTIONS									
	3506	3528.5	3546		3839	3856			
	3509	3532	3827		3843	3860			
	3513	3535	3832		3848	3870			
	3518	3538	3838		3851.5	3874			
	3523	3543							
25N 2W 4	99	MONTALBAN OILS LTD	1 BAQUET	F	3462	3540	DPRW	3462 3466 3482 3492 3506 3512	T067   3523 3532 3537
26N 8W 5	99	WILLIAMS CORP	2-5 BLACKLEAF FEDERAL	S	5850	5856	SRVR	5854.2	C219

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27N 4W 33	99	SUNBURST EXPL	1 A BRIGGS	S	2149	2196	MDSN	2154 2163 2167 2184 2187	C289
27N 5W 4	99	CARDINAL PET	1 CAMPBELL	S	2468	2496	SRVR	PIECES 21 & 23	C292
29N 5W 29	73	OCCIDENTAL PET	29-1 POWERS FARM	S	2897 4665 4680 4913 4998	2907 4654 4691 4938 5024	SWFT DPRW DPRW DPRW DPRW	BELOW	C737
THIN SECTIONS									
	2899 3497 3502 4647 4651	4657 4681 4683.5 4687	4694.5 4697.5 4913 4918		4926 4930 4935 4937.5	4998 5010 5020 5023			
29N 8W 4	73	MONTALBIN OILS INC	1 B & O RANCH-DERUE	S	4590 4969	4695 5046	CBNK MDSN	4975 4977 4978 4981 4983 4986 4987.5	B829   4993.5 4997 5004 5008

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30N 12W 35	35	PHILLIPS PET CO	1-A KIYO	S	11263	11279	SRVR	11263.5 11265.5 11270.8 11272.8 11273 11277 11279	B600
35N 1W 3	101	QUINTANA PET	1-3 SUTA	S	3344	3387	UNKN	3347(2) 3368(2) 3376(2) 3387(2)	C903
35N 1W 26	101	QUINTATA PET	1 ANDERSON	S	2941	2987	NSKU	2946(2) 2950(2) 2964(2) 2965 2978	C918
36N 2W 32	101	BRIDGER PET CORP	1 DONOVAN	F	1524	1560	KOTN	1544	R854
37N 4W 9	101	ALBERMONT PET	1 PUGH	F	2520 2557 2639	2542 2577 2689	MLTN MLTN CBNK	2661	R869
37N 5W 12	35	CARTER OIL CO	1 MCALPINE	F	2833	2851	MSDN	2833.5 2835.5 2842 2844 2847	T041

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37N 6W 8	35	FLANK OIL	1 TRIBAL	F	3599	3609	MDSN	3599 3600 3601.5 3603 3604.5 3606	T042

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37N 7W 15	35	UNION OIL	12 TRIBAL 194	S	3079	3089	MDSN	BELOW	C948
					3718	3795	MDSN		
					3814	3933	SRVR		
					3968	3975	SRVR		
					4087	4146	SRVR		
					4511	4599	MSNC		
					4724	4738	LDGP		
					5130	5173	NSKU		
					5356	5595	DPRW		
					5655	5675	DPRW		
					6175	6220	DVNN		
THIN SECTIONS									
5131	5377	5438	5506	5561					
5140	5380	5442	5509.5	5564					
5148	5385	5448	5513	5571					
5149.5	5387	5455	5517	5572					
5154	5391	5459	5524	5575					
5156	5396	5462	5529	5579					
5160	5400	5466	5533	5583					
5162	5409	5470	5535	5587					
5166	5414	5471	5539	5591					
5170	5416	5474	5543	5595					
5357	5417	5480	5544	5656					
5359	5418	5484	5545	5660					
5361	5422	5494	5549	5663					
5365	5426	5498	5552	5665					
5367	5435	5502	5555	5671.5					
5372	5436	5504	5559	5675					

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37N 7W 35	35	UNION OIL	32-D-35 TRIBAL 194	S	3807 3826	3817 3834	MDSN MDSN	3807 3809 3811 3814.5 3816 3828 3831	C229
37N 9W 12	35	MONTANA POWER	2 FRARY-THELEN	S	4746	4796	MDSN	4748.5 4757 4768.5 4773 4780.5 4792.5	B782
37N 9W 13	35	MONTANA POWER	1 THELAN	S	4665 4705	4705 4725	RRDN SRVR	4673 4674 4684 4694 4704 4713 4725	C982
6S 56E 5	11	SOUTHLAND ROYALTY CO	1 MIDWEST FEDERAL-5	S	3485	3529	MDDY	3487 3493 3505	A204

**MONTANA-SE**



MONTANA-SE

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6S 56E 25	11	CONSOLIDATED O&G INC	1-25 GOVERNMENT	S	2163	2204	MDDY	2178 2198	A072
7S 23E 14	9	PETRO INC	1 BELCO GOVERNMENT	S	2083	2123	TSLP	2086 2096 2110	C560
7S 50E 16	75	ENSOURCE INC	1 BALDY UNIT	F	7560	7620	MNLS	7560.3 7561.9 7562.6 7566.6 7570.3 7574.1 7582.1 7586.2 7589.2	S576
8S 47E 10	75	SINCLAIR O&G	1 PETERSON FEDERAL	S	7330	7385	MDDY	7330 7332 7343 7348 7359	A176
8S 52E 12	75	SINCLAIR O&G	1 WOODSON FEDERAL	S	4828	4860	MDDY	4830 4834 4850.5	A168
8S 53E 21	75	TRIHOPE	21-1 BIDDLE LAND	S	4573	4593	MDDY	4574.5	A212

**MONTANA-SE**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
9S 23E 27	9	PAN AMERICAN PET	215-A GOVERNMENT EBTU	S	5722 5892 5915	5778 5898 5936	EMBR TSLP TSLP	5750 5767 5778	C537
9S 23E 29	9	BARKER LAWRENCE JR	1 GOVERNMENT TYLER	S	6156	6204	TSLP	6158 6178 6201	C561
9S 41E 19	3	SHELL OIL CO	31X-19 GOVERNMENT D-6	S	8275	8334	MDDY	8319 8334	B763
9S 51E 32	75	DEPCO INC	1 FEDERAL STEVENS	S	6006	6058	MDDY	6041 6051	A200
9S 52E 5	75	ANSCHUTZ CORP	1-5 COQUINA	S	6897 6905	6905 6958	MNLS MNLS	6898 6900 6921 6937 6957	C087
9S 53E 11	75	MIDWEST OIL	2 TAACK A	S	4502	4548	MDDY	4512 4520 4523 4530.5 4544	A182
9S 53E 23	75	MIDWEST OIL	1-23 KEITH POWELL	S	4344	4391	MDDY	4350.3 4352.5 4359 4370.3 4386	A545

**NEBRASKA**  
**ABBREVIATED FORMATION/AGE NAMES**

ATOK - Atoka	DSMS - Des Moinesian	LNSG - Lansing	UNKN - Unknown
CDLL - Codell	FRHS - Fort Hays	ORED - Oread	VRGL - Virgil
DKOTD - Dakota D Sand	FRNR - Frontier	PIRR - Pierre Shale	WFMP - Wolfcamp
DKOTJ - Dakota J Sand	LGKC - Lansing-Kansas City		

**COUNTY NUMBERS**

ADAMS-----001	DAWSON-----047	HOWARD-----093	PIERCE-----139
ANTELOPE-----003	DEUEL-----049	JEFFERSON-----095	PLATTE-----141
ARTHUR-----005	DIXON-----051	JOHNSON-----097	POLK-----143
BANNER-----007	DODGE-----053	KEARNEY-----099	RED WILLOW-----145
BLAINE-----009	DOUGLAS-----055	KEITH-----101	RICHARDSON-----147
BOONE-----011	DUNDY-----057	KEYA PAHA-----103	ROCK-----149
BOX BUTTE-----013	FILLMORE-----059	KIMBALL-----105	SALINE-----151
BOYD-----015	FRANKLIN-----061	KNOX-----107	SARPY-----153
BROWN-----017	FRONTIER-----063	LANCASTER-----109	SAUNDERS-----155
BUFFALO-----019	FURNAS-----065	LINCOLN-----111	SCOTT'S BLUFF-----157
BURT-----021	GAGE-----067	LOGAN-----113	SEWARD-----159
BUTLER-----023	GARDEN-----069	LOUP-----115	SHERIDAN-----161
CASS-----025	GARFIELD-----071	MCPHERSON-----117	SHERMAN-----163
CEDAR-----027	GOSPER-----073	MADISON-----119	SIOUX-----165
CHASE-----029	GRANT-----075	MERRICK-----121	STANTON-----167
CHERRY-----031	GREELEY-----077	MORRILL-----123	THAYER-----169
CHEYENNE-----033	HALL-----079	NANCE-----125	THOMAS-----171
CLAY-----035	HAMILTON-----081	NEMAHA-----127	THURSTON-----173
COLFAX-----037	HARLAN-----083	NUCKOLLS-----129	VALLEY-----175
CUMING-----039	HAYES-----085	OTOE-----131	WASHINGTON-----177
CUSTER-----041	HITCHCOCK-----087	PAWNEE-----133	WAYNE-----179
DAKOTA-----043	HOLT-----089	PERKINS-----135	WEBSTER-----181
DAWES-----045	HOOVER-----091	PHELPS-----137	WHEELER-----183

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

NEBRASKA-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
14N 52W 21	33	DIAMOND SHAMROCK	1 D CHRISTENSEN	S	7055	7116	VRGL	7072 7107 7114.1 7118.9 7120.2	B582
14N 52W 27	33	DIAMOND SHAMROCK	12-27 DEEVER FEE	S	7065	7121	VRGL	7059 7060.3 7060.5 7080 7085 7085.5 7088 7091.9 7096.6	B581
16N 48W 3	33	AMERICAN PETROFINA	1 TWOOF	S	5962	6011	VRGL	5981 5987 5990 5994 5996 6004 6011	C139
17N 45W 26	69	SOUTHLAND ROYALTY CO	1 WITHERS	S	4610 4838 4922	4670 4922 4968	WFMP WFMP VRGL	4860 4865 4907 4931.6 4940 4947 4952	C142
								4953 4954(2) 4961 4963	

**NEBRASKA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
17N 45W 30	69	SOUTHLAND ROYALTY CO	1 RUSHCREEK LAND & LIVESTOCK	S	4790 5006 5100	4850 5100 5130	WFMP WFMP VRGL	4797 4815 4819 4823 5011 5022 5029 5030 5032 5049	C143   5053 5068 5097 5113 5115 5120 5127
18N 47W 26	123	SOUTHLAND ROYALTY CO	1 JESSEN	S	4832 5095 5171	4933 5171 5208	WFMP WFMP VRGL	5180.5 5184.5 5194 5196	C144
18N 48W 29	123	SOUTHLAND ROYALTY CO	1 CRANMORE	S	5485 5740 5784	5495 5784 5817	WFMP WFMP VRGL	5741 5784 5787 5795 5796 5807 5811(2)	C141
21N 57W 7	157	ALVIN C HOPE	1 J C GOODELL	S	7831 7924	7870 7930	WFMP WFMP	7841 7859 7862 7869 7935 7938	C891

**NEW MEXICO**  
**ABBREVIATED FORMATION/AGE NAMES**

AKAH - Akah	FRLD - Fruitland	ISMY - Ismay	MVRD - Mesaverde
BKCK - Barker Creek	GLLP - Gallup	KRLD - Kirtland	OJAM - Ojo Alamo
CHCR - Chacra	GLNC - Glen Canyon	LDVL - Leadville	PCCF - Pictured Cliffs
CLFH - Cliff House	GRNR - Grenora	LWIS - Lewis	SADR - San Andres
DKOT - Dakota	GRRS - Graneros	MENF - Menefee	TRTR - Tertiary
DKOTD - Dakota D	HSPH - Hospah	MNCS - Mancos	UINT - Uinta
DRCK - Dry Creek	IGNS - Igneous	MRSN - Morrison	UNKN - Unknown
ENRD - Entrada			

**COUNTY NUMBERS**

BERNALILLO-----001	GRANT-----017	MCKINLEY-----031	SAN MIGUEL-----047
CATRON-----003	GUADALUPE-----019	MORA-----033	SANTA FE-----049
CHAVES-----005	HARDING-----021	OTERO-----035	SIERRA-----051
COLFAX-----007	HIDALGO-----023	QUAY-----037	SOCORRO-----053
CURRY-----009	LEA-----025	RIO ARIBA-----039	TAOS-----055
DE BACA-----011	LINCOLN-----027	ROOSEVELT-----041	TORRANCE-----057
DONA ANA-----013	LOS ALAMOS-----028	SANDOVAL-----043	UNION-----059
EDDY-----015	LUNA-----029	SAN JUAN-----045	VALENCIA-----061

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Chips

NEW MEXICO-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
16N 14W 29	31	USGS	S-1	S	475 541 1032	541 1032 1082	DKOT MRSN GLNC	475 486 497 518 561 575	B601
17N 8W 5	31	TESORO PET	30 SFRR	S	2695	2736	DKOT	2706 2709 2728	B372
17N 12W 9	31	SIERRA O&G	9-2 SECO NZ	S	1945	1965	DKOTD	1947 1952 1958 1963	C677
22N 6W 10	43	SUN OIL	1 EL PASO FEDERAL	S	11303 11493	11493 11712	DRCK	BELOW	B391
THIN SECTIONS									
	11303.8	11432.5	11509.8		11640.8		11684.9		
	11310.1	11469.1	11519		11652.1		11686.9		
	11347.5	11484.7	11546.6		11654.9		11692.2		
	11353.5	11498.8	11576.7		11659.4		11699		
	11392.2	11500.2	11634.2		11669.7		11706.7		
	11405.5	11503.5	11637.2		11674				

**NEW MEXICO-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
23N 9W 12	45	SUN OIL	1 AH-DES-PI-AH-NAVAJO	S	10570 10705 10873	10705 10873 10988	ISMY DRCK AKAH	10659.5 10677 10682.1 10682.9 10696.1 10757.3 10820.5 10821 10879.5 10881.3	B373
24N 3W 32	39	ODESSA NATURAL CORP	3 LITTLE FEDERAL ARCO 32	S	7275 7289 7390	7276 7319 7410	DKOT DKOT DKOT	BELOW	B220
THIN SECTIONS									
	7275.2	7295	7306.5	7313.9	7395.5				
	7289.6	7298.6	7307.7	7316.7	7400.2				
	7290.6	7302.6	7310.3(2)	7391.1	7403.8				
	7292.4	7305.5	7312.6	7393.9	7408.3				
25N 10W 26	45	TENNECO OIL	1 MOUNTVIEW 26D	S	6228	6311	DKOT	BELOW	B351
THIN SECTIONS									
	6231.9	6246.6	6255.7	6270.3	6284.4				
	6237.2	6246.8	6258.6	6273.1	6290.4				
	6241.8	6249.3	6260.3	6276.4	6292.3				
	6244.5	6252.2	6264.8	6280.4	6298.4				



LOCATION	COUNTY	OPERATOR	NAME	TYPE	MIN	MAX	FORMATION	SECTIONS	THIN	LIBRARY	NUMBER
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25N	11W	5	45	TENNECO OIL	4 CANYON	S	1262 5802	1300 5860	PCCF DKOT	1265 1281 1296	B436
25N	11W	25	45	TENNECO OIL	17 CANYON	S	6010	6101	DKOT	BELOW	B451
					THIN SECTIONS						
			6011.3	6026.2	6048.1		6071.6	6085.8			
			6012.7	6028.3	6057.6		6076.2	6091.7			
			6017.5	6036.4	6063.3		6082.3	6096.7			
			6019.5	6037.6	6064.2		6083.7	6099.2			
			6023.6	6043.2	6067.4						
26N	12W	16	45	TENNECO OIL	1 CHACO PLANT	S	1247 1271	1261 1283	PCCF PCCF	1252 1273 1279	B349
26N	12W	25	45	TENNECO OIL	1 ARROYO COM	S	5826	5878	DKOT	5826.8 5830.8 5833.2 5835.9 5841.7 5847.5 5851.7 5854.7	B420
26N	19W	5	45	ASHLAND OIL INC	2 NAVAJO 5	S	5736 6018 6072	5754 6037 6095	BKCK LDVL LDVL	5721 5740.7 6007.7 6023.5 6037.8 6063.2	A488

NEW MEXICO-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
27N 12W 16	45	PATRICK PET CO	1 STP-STATE	S	5892 5935	5912 5995	DKOT DKOT	BELOW	B337
			THIN SECTIONS						
			5937.2		5948	5960.6	5984.5		
			5937.8		5949.3	5964.3	5986.1		
			5939.8		5952.1	5967.3	5989.6		
			5941.3		5952.5	5973.3	5990.4		
			5942		5956.4	5976.4	5992.7		
			5946.3		5960	5981.1	5994.4		
			5893.4						
			5894.2						
			5898.1						
			5904.8						
			5912.8						
			5935						
			5935.5						
27N 12W 17	45	PATRICK PET CO	1-17 STP FEDERAL	S	5853	5913	DKOT	5859 5872 5879 5895	B341
27N 19W 20	45	BASS ENTERPRISES	1-20 NAVAJO	S	5570	5600	BKCK	5594.5 5598	B234
28N 12W 32	45	PAN AMERICAN PET	190 GALLEGOS CANYON	S	5740 5800	5800 5856	GRRS DKOT	5800 5810 5824	A797

NEW MEXICO-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
29N 4W 36	39	EL PASO NATURAL GAS	1 GASBUGGY	S	3435 3482 3635 3787 3916 4052 4063 4191	3482 3635 3776 3916 4052 4063 4191 4315	OJAM OJAM KRLD FRLD PCCF FRLD PCCF LWIS	3926 3950 4070 4100 4114 4163 4178	C588
29N 12W 33	45	PAN AMERICAN PET	195 GALLEGOS CANYON	S	5830 5907	5907 5966	GRRS DKOT	BELOW	A884
THIN SECTIONS									
	5843.9	5867.5	5903.2		5930		5953.8		
	5845.5	5869.6	5911.5		5934.2		5954		
	5848.9	5871.5	5917.3		5940.5		5955.7		
	5850.7	5874.5	5919		5943.7		5959.4		
	5854	5877.5	5919.3		5946.7		5961.7		
	5854.4	5882.4	5923.3		5947		5963.5		
	5859.7	5888.4	5924.5		5949.6		5965		
	5860	5894.5	5929.9		5950.9		5965.7		

# NORTH DAKOTA ABBREVIATED FORMATION/AGE NAMES

AMSD - Amsden	FRBG - Fryburg	MIDL - Midale	SNLL - Stonewall
ASRN - Ashern	FRBR - Frobisher	MNLS - Minnelusa	SNMN - Stony Mtn
BKKN - Bakken	GLBR - Glenburn	MSNC - Mission Canyon	SPRF - Spearfish
BLLL - Blueell	GNTN - Gunton	NSKU - Nisku	STTA - Stensvad
CHRK - Cherokee	HETH - Heath	NSSN - Nesson	STTA - State A
CRLS - Charles	IRLK - Interlake	OTTR - Otter	TYLR - Tyler
CRLSB - Charles B	KBBY - Kibbey	RCLF - Ratcliffe	UNKN - Unknown
DPRW - DuPerow	LDGP - Lodgepole	RDRV - Red River	VGRD - Vanguard
DSNB - Dawson Bay	MDSN - Madison	RIVL - Rival	WNPG - Winnipeg
EGLE - Eagle	MHLL - Mohall	SHRD - Sherwood	WPGS - Winnipegosis

## COUNTY NUMBERS

ADAMS-----001	EMMONS-----029	MCLEAN-----055	SARGENT-----081
BARNES-----003	FOSTER-----031	MERCER-----057	SHERIDAN-----083
BENSON-----005	GOLDEN VALLEY-----033	MORTON-----059	SIOUX-----085
BILLINGS-----007	GRAND FORKS-----035	MOUNTRAIL-----061	SLOPE-----087
BOTTINEAU-----009	GRANT-----037	NELSON-----063	STARK-----089
BOWMAN-----011	GRIGGS-----039	OLIVER-----065	STEELE-----091
BURKE-----013	HETTINGER-----041	PEMBINA-----067	STUTSMAN-----093
BURLEIGH-----015	KIDDER-----043	PIERCE-----069	TOWNER-----095
CASS-----017	LAMOUR-----045	RAMSEY-----071	TRAIL-----097
CAVALIER-----019	LOGAN-----047	RANSOM-----073	WALSH-----099
DICKEY-----021	MCHENRY-----049	RENVILLE-----075	WARD-----101
DIVIDE-----023	MCINTOSH-----051	RICHLAND-----077	WELLS-----103
DUNN-----025	MCKENZIE-----053	ROLETTE-----079	WILLIAMS-----105
EDDY-----027			

## OTHER ABBREVIATIONS

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
129N 104W 30	11	TOTAL PET INC	1-30 OLSON	S	9039	9098	RDRV	9082 9084.5	S314
129N 105W 25	11	TOTAL EXPLORATION	1-25 ALEXANDER	S	9031	9144	RDRV	9044 9052 9058.7 9127 9129 9132	S985
129N 106W 9	11	HOUSTON OIL & MIN CO	11-9 JOHNSON	S	8159	8218	RDRV	8162 8166-67 8184-85 8188-89 8189-90 8193-94 8194-95	B985
129N 106W 23	11	HOUSTON OIL & MIN CO	31-23 LOWE	S	8418 8502	8463 8539	RDRV RDRV	8448	A946
137N 88W 5	37	TEXAS PACIFIC OIL CO	1 WILLIAM STECKLER	S	10282	10343	WNPG	10307 10316 10317 10323 10339.5	B549

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
137N 100W 6	7	UNION TEXAS PET	6-1 SMITH	S	8170 8270	8270 8290	TYLR OTTR	BELOW	S615
THIN SECTIONS									
	8170	8181	8205		8235	8264			
	8171	8185	8210		8241	8268			
	8172	8187	8215		8248	8276			
	8173	8188	8220		8251	8283			
	8175	8197	8225		8254	8285			
	8178	8200	8230		8259				
139N 98W 5	89	CARDINAL PET	6-5 NPPR	S	8055	8078	HETH	8068 8078	B408
139N 98W 6	89	CARDINAL PET	1 ZARAK OYHUS	S	8033	8065	TYLR	8033(2) 8034 8035.5 8037(2) 8038 8040 8041.5 8042 8045	B354
140N 82W 17	59	SHELL OIL CO	22-17 VOGEL	S	5502 5544 7902	5534 5603 7946	MSNC MSNC RDRV	7903 7915 7938	B787

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
140N 97W 15	89	ANADARKO PROD CO	1 ALBERT SCHMIDT	S	8038	8085	TYLR	8038 8039 8057.5 8065 8067 8076	A583
140N 99W 33	89	MONSANTO	1 ELAINE	S	8213	8231	OTTR	8223 8230	C005
141N 96W 2	25	AMOCO	1 ANDREW M HEISER	S	13408	13459	WNPG	13437 13446 13457	B221
141N 100W 9	7	AL AQUITAINE	1-9 BN	S	9452	9494	MSNC	9468 9478.5 9487.3 9494	R407
142N 95W 2	25	AMOCO	1 FICEK	S	10727	10939	DPRW	10741.75 10744.5 10779.5 10894.5 10926	B222
142N 100W 7	7	TENNECO OIL	5-7 STUART	S	9377	9436	FRBG	9381 9385.4 9387.2 9387.5 9409.4 9416	B859  9417.5 9421.8 9433.3

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
142N 100W 17	7	TENNECO OIL	2-17 MEE USA	S	9401 9460	9460 9509	MSNC FRBG	9403.2 9410.8 9411.7 9413.6 9416.8 9421.1 9424.2 9437.1	B654  9438.8 9450.5 9465.2 9474.6 9508.8
142N 100W 19	7	TENNECO OIL	4-19 STUART USA	S	9400	9438	FRBG	9406.1 9414.9 9432.8	B718
142N 100W 20	7	TENNECO OIL	1-20 EGLY	S	9354	9399	MSNC	9356 9364.5 9375.5 9392.9	B346
142N 100W 30	7	TENNECO OIL	3-30 STUART USA	S	9612	9669	MSNC	9612.6 9615.3 9620.8 9626.3 9656.2	B656
142N 100W 31	7	TENNECO OIL	2-31 STUART USA	S	9376	9435	FRBG	9380.2 9390.1 9399.8 9414.2	B722
142N 101W 13	7	TENNECO OIL	1-13 MOHRLE	S	9412	9441	MSNC	9418.4 9427.3 9438.1	B655



NORTH DAKOTA-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
142N 101W 25	7	TENNECO OIL	2-25 DAVID USA	S	9485	9445	MSNC	9389.5 9423.9 9435.4	S076
142N 101W 29	7	TENNECO OIL	1-29 WIRTHLIN USA	S	9285 9329	9296 9337	MSNC MSNC	9290.1 9332.3	B772
142N 101W 34	7	TENNECO OIL	1-34 TANNER USA	S	9204	9432	MSNC	9212.1 9221.4 9240.8 9247.3	B657
142N 101W 35	7	TENNECO OIL	1-35 DAVID USA	S	9306	9425	FRBG	9307.8 9320.4 9335.1 9357.2 9385.2 9409.7	B651
143N 100W 30	7	TENNECO OIL	1-30 GAWRYLUK	S	9511 11196	9574 11256	MSNC DPRW	BELOW	B345
THIN SECTIONS									
9511.5	9529.4	9562.2	11205	11224					
9514.25	9533.6	9563.8	11211	11227					
9517.2	9539.5	9569.5	11217	11233					
9520.3	9552.2	9573.6	11220.75	11246					
9526.2	9555.9								

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
143N 100W 30	7	TENNECO OIL	2-30 FEDERAL	S	11242 12950	11300 13055	DPRW RDRV	11248 11266 11277(2) 11280 12953.5 12978	B781   12999 13023 13054
143N 100W 32	7	HUNT H L ESTATE	1 KORDAN	S	9567	9607	MSNC	9568.2 9579 9585.3 9597	B393
143N 100W 32	7	W H HUNT TRUST	2 KORDAN	S	9610	9671	NSSN	9610.7 9613.5 9615.5 9623 9624.4 9625 9628.5	B707    9631.5 9655.1 9666.5
143N 101W 25	7	TENNECO OIL	1-25 BN	S	9463 9525	9524 9557	NSSN FRBG	9492.7 9496.1 9501.5 9502.2 9508 9512 9527 9552.5	B367

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
144N 105W 23	33	TENNECO OIL	1-23 ROSE GASHO	S	9160	9228	RCLF	9178 9189.5 9191 9193 9196 9200.5 9208	B365  9214.5 9219 9226.7 9227.5
145N 105W 24	53	QUINTANA PET	1 USA	S	9024	9074	CRLS	9026-27 9030-31 9032-33 9034-35 9041-42 9046-47 9049-50	B376   9055-56 9060-61 9066-67 9071-72
148N 96W 4	25	GEN AM OIL TEXAS	1-4 HANNA	S	11170	11208	DPRW	11180 11180.5 11201	B575
149N 95W 29	53	ASHLAND EXPL CO	1-29 NELSON ETAL	S	11230	11271	NSKU	11231 11263	B018
151N 90W 36	61	HOME PET	36-1 SOLOMONSON STATE	S	12636	12756	RDRV	12637 12647 12657 12674 12744 12746	B877

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
154N 100W 23	105	TEXAS CO	1 DONAHUE	S	6112 9557 9662 9673 9677 9735 9841 10989 11007 11024 11245 11251 11511 11682 12026 12730 13435 13629	6164 9640 9663 9674 9701 9783 9967 11002 11020 11026 11247 11303 11544 11740 12048 12846 13493 14035	MSNC MDSN MDSN MDSN MDSN MDSN MDSN LDGP LDGP LDGP LDGP LDGP LDGP DSNB IRLK IRLK IRLK	12050 12804 12810 12827 13445 13702 13835 13981	A715
155N 85W 21	101	INEXCO OIL CO	1-21 WALLACE	S	6252	6305	MSNC	6261 6272 6276.5 6305	B595
155N 101W 4	105	TENNECO OIL	1-4 MARIE WHITE	S	9055 13340	9113 13440	RCLF RDRV	13341.5 13343 13368 13369 13403 13427 13434 13438	B340

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
155N 101W 5	105	TENNECO OIL	1-5 JENSEN	S	10809 13372 13406 13431	10869 13399 13427 13484	NSKU RDRV RDRV RDRV	10862 10869 13374 13385 13412 13439.5 13470	B335
155N 101W 8	105	TENNECO OIL	1-8 BOOKE	S	11643 13028	11661 13079	DSNB SNLL	13031 13054 13077.5	B590
157N 79W 4	49	ENERGY RESERVE GROUP	1 BIGSKY	S	5055	5097	NSKU	5068 5077 5083	C150
157N 86W 3	101	GETTY OIL	1 BURTON GRAFF ETAL	S	5817 5877	5877 5997	MIDL MSNC	BELOW	A896
THIN SECTIONS									
	5875	5914	5933		5950(2)	5973			
	5878	5917	5934		5952	5978			
	5880	5920(2)	5935-36		5955	5981			
	5883	5921(2)	5936		5960	5982			
	5888	5922(2)	5939		5963	5985(2)			
	5891	5925(2)	5940		5964	5988			
	5900	5926	5942(2)		5966	5989			
	5904	5928	5943		5970	5992			
	5908	5930	5945		5972	5995			
	5910	5932							

**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
158N 88W 17	61	MONSANTO	1 ESTHER	S	6854	6890	MSNC	6875 6889	R749
159N 88W 33	101	CLARION RESOURCES	1-33 PULLEN	S	6422 7685	6452 7717	MIDL BKKN	7685 7696.5 7712	B678
160N 96W 24	23	FILON EXPL	1 TOFIE	S	7820 7851	7843 7863	MSNC MSNC	7824 7851.3 7853 7860.8 7863.5	A288
161N 86W 8	75	KISSINGER PET	6-8 BUCHOLTZ	S	5272	5313	SHRD	5282.5 5288.5 5289.5 5290 5291.5 5297	B817

NORTH DAKOTA-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
161N 87W 18	75	CIARION RESOURCES	1-18 PIERCE	S	5616 6760	5675 6790	MIDL BKKN	BELOW	B635
THIN SECTIONS									
	5634	5645	5657.5		5664.2	5672.5			
	5636.5	5646	5660.5		5665.7	5674			
	5636.8	5653	5661		5666.3	6760			
	5641	5654	5663.5		5670	6778			
	5641.6	5655	5664		5671.5	6784			
	5643	5656							
161N 95W 25	23	HOME PET	1-25 KJELSHUS	S	10731	10783	WPGS	10732 10738 10742 10743 10744 10750.5 10754 10755.5 10758 10760	B977          10760.4 10765 10770 10773 10776 10782 10784
161N 95W 25	23	HOME PET	2-25 KJELSHUS	S	12689 12739 12786	12710 12783 12806	WNPG WNPG WNPG	12690.5 12750 12769 12806	B878

**NORTH DAKOTA--NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
161N 102W 30	23	HNG OIL CO	30-2 ANDERSON STATE	S	10047	10079	WPGS	BELOW	C284
THIN SECTIONS									
	10047	10049.5	10053.25(2)		10058	10067			
	10048	10050(2)	10054.5		10061	10077			
	10048.5	10052	10055		10062	10078.5			
	10049	10052.5	10056.5(2)		10066(2)	10079.5			
162N 90W 13	13	MONSANTO	1 HILBERT	S	5840 5883	5883 5913	MSNC MSNC	5865 5867-67.5 5873.5-74 5875.5 5877 5891-91.5 5894.5	C722
163N 91W 2	13	MONSANTO	1 BLANCHE	S	5825	5897	MSNC	5852 5858.9 5868.5	R581
163N 90W 7	13	MONSANTO	2 JENSON	S	5712	5753	MSNC	5719.2 5722.0 5743.9	R561
163N 91W 12	13	MONSANTO	1 MARVIN	S	5753	5863	MSNC	5777.5 5789.9 5805.2 5822.5	C786



**NORTH DAKOTA-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
163N 91W 12	13	MONSANTO	2 GALVIN	S	5776	5854	MSCN	5813.9 5815 5818.5 5820.6 5822.2 5823.9 5825.6	C762
163N 91W 13	13	MONSANTO	1 SORUM	S	5785	5829	MSNC	5799.9 5818 5822.5	C158
164N 85W 25	75	CHANDLER ASSOC	BI RUSCH	S	4042	4102	SHRD	4044.9 4048 4050.1 4052 4053 4057 4063 4066(2) 4067	C636
								4069 4073 4080 4091 4094	

**OKLAHOMA**  
**ABBREVIATED FORMATION/AGE NAMES**

CCGV - Council Grove  
CGGV - Cottage Grove  
CPPL - Chappel

CSTR - Chester  
HDGS - Hodges  
KSSC - Kansas City

MRMN - Marmaton  
MRRW - Morrow  
RDFK - Red Fork

UNKN - Unknown  
WDFD - Woodford

**COUNTY NUMBERS**

ADAIR-----001	DELAWARE-----041	LINCOLN-----081	PITTSBURG-----121
ALFALFA-----003	DEWEY-----043	LOGAN-----083	PONTOTOC-----123
ATOKA-----005	ELLIS-----045	LOVE-----085	POTTAWATOMIE-----125
BEAVER-----007	GARFIELD-----047	MCCLAINE-----087	PUSHMATAHA-----127
BECKHAM-----009	GARVIN-----049	MCCURTAIN-----089	ROGER MILLS-----129
BLAINE-----011	GRADY-----051	MCINTOSH-----091	ROGERS-----131
BRYAN-----013	GRANT-----053	MAJOR-----093	SEMINOLE-----133
CADDO-----015	GREER-----055	MARSHALL-----095	SEQUOYAH-----135
CANADIAN-----017	HARMON-----057	MAYES-----097	STEPHENS-----137
CARTER-----019	HARPER-----059	MURRAY-----099	TEXAS-----139
CHEROKEE-----021	HASKELL-----061	MUSKOGEE-----101	TILLMAN-----141
CHOCTAW-----023	HUGHES-----063	NOBLE-----103	TULSA-----143
CIMARRON-----025	JACKSON-----065	NOWATA-----105	WAGONER-----145
CLEVELAND-----027	JEFFERSON-----067	OKFUSKEE-----107	WASHINGTON-----147
COAL-----029	JOHNSTON-----069	OKLAHOMA-----109	WASHITA-----149
COMANCHE-----031	KAY-----071	OKMULGEE-----111	WOODS-----151
COTTON-----033	KINGFISHER-----073	OSAGE-----113	WOODWARD-----153
CRAIG-----035	KIOWA-----075	OTTAWA-----115	
CREEK-----037	LATIMER-----077	PAWNEE-----117	
CUSTER-----039	LE FLORE-----079	PAYNE-----119	

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

OKLAHOMA-NE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
4N 14E 29	139	ANADARKO PROD CO	B-1 1ST NATL BANK OF KS CITY	S	6103	6140	MRRW	6106	B302

**SOUTH DAKOTA**  
**ABBREVIATED FORMATION/AGE NAMES**

EGLE - Eagle  
FRNR - Frontier

NBRR - Niobrara  
RDRV - Red River

SNNN - Shannon  
TRNR - Turner

UNKN - Unknown  
WLCK - Wall Creek  
WNPG - Winnipeg

**COUNTY NUMBERS**

AURORA-----003	DAY-----037	JACKSON-----071	PERKINS-----105
BEADLE-----005	DEUEL-----039	JERAULD-----073	POTTER-----107
BENNETT-----007	DEWEY-----041	JONES-----075	ROBERTS-----109
BON HOMME-----009	DOUGLAS-----043	KINGSBURY-----077	SANBORN-----111
BROOKINGS-----011	EDMUNDS-----045	LAKE-----079	SHANNON-----113
BROWN-----013	FALL RIVER-----047	LAWRENCE-----081	SPINK-----115
BRULE-----015	FAULK-----049	LINCOLN-----083	STANLEY-----117
BUFFALO-----017	GRANT-----051	LYMAN-----085	SULLY-----119
BUTTE-----019	GREGORY-----053	MCCOOK-----087	TODD-----121
CAMPBELL-----021	HAAKON-----055	MCPHERSON-----089	TRIPP-----123
CHARLES MIX-----023	HAMLIN-----057	MARSHALL-----091	TURNER-----125
CLARK-----025	HAND-----059	MEADE-----093	UNION-----127
CLAY-----027	HANSON-----061	MELLETTE-----095	WALWORTH-----129
CODINGTON-----029	HARDING-----063	MINER-----097	WASHAUGH-----131
CORSON-----031	HUGHES-----065	MINNEHAHA-----099	YANKTON-----135
CUSTER-----033	HUTCHINSON-----067	MOODY-----101	ZIEBACH-----137
DAVISON-----035	HYDE-----069	PENNINGTON-----103	

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

**SOUTH DAKOTA-NE**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
13N 22E 20	41	INVESTORS DRLG	1 COWENS	S	4975	5030	RDRV	4994 5018 5025	A196
19N 16E 24	105	TEXAS PACIFIC OIL CO	1 ELSON	S	7120 7779	7148 7821	RDRV WNPG	7783 7784.5 7784.5 7800	B265
21N 7E 23	63	ANADARKO PROD CO	AI KLOYDA	S	8691	8750	RDRV	8692.5 8710 8710.5 8717 8726.5 8731 8741 8742	A226
22N 2E 1	63	HOUSTON OIL & MIN CO	31-1 FEDERAL	S	8422 8513	8464 8545	RDRV RDRV	8426 8433 8456 8463 8516.3 8533 8541 8542.5	B967

SOUTH DAKOTA-NE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
22N 5E 6	63	LUFF-HANOVER	1-6 TRAVERS	S	8957	9022	RDRV	8961 8973 8993 8993.2 8999 9005 9015	B936
23N 2E 23	63	HOUSTON OIL & MIN CO	13-23 HARDING COUNTY	S	8444 8516	8485 8540	RDRV RDRV	8474 8481	B958

# UTAH

## ABBREVIATED FORMATION/AGE NAMES

AKAH	- Akah	DSRT	- Deseret Limestone	KIBB	- Kaibab	PCRV	- Price River
ARPN	- Arapien	ELBR	- Elbert	KYNT	- Kayenta	PRDX	- Paradox
BCKK	- Blackhawk	ENRD	- Entrada	MCKK	- McCracken	PSPR	- Phosphoria
BCKT	- Beckwith	FRNR	- Frontier	MNCS	- Mancos	SGCF	- Straight Cliffs
BRRV	- Bear River	FRRN	- Ferron	MNKP	- Moenkopi	SNAD	- Sinbad
CDRM	- Cedar Mesa	GRRV	- Green River	MSSP	- Mississippian	STTN	- Sitton
CCNN	- Coconino	HKTL	- Honaker Trail	MVRD	- Mesaverde	TMPP	- Timpoweap
CCRK	- Canyon Creek	HMBG	- Humbug Limestone	NGGT	- Nugget	TRWP	- Toroweap
CMRK	- Chimney Rock	HRMS	- Hermosa	NRHR	- North Horn	UNKN	- Unknown
CSLG	- Castlegate	ISMY	- Ismay	NSLN	- Neslen	WEBR	- Weber
DKOT	- Dakota	ISMYL	- Ismay Lower	NVJO	- Navajo	WSTC	- Wasatch
DRCK	- Desert Creek	ISMYU	- Ismay Upper	GRK	- Organ Rock		

## COUNTY NUMBERS

BEAVER	001	GARFIELD	017	PIUTE	031	TOOELE	045
BOX ELDER	003	GRAND	019	RICH	033	UINTAH	047
CACHE	005	IRON	021	SALT LAKE	035	UTAH	049
CARBON	007	JUAB	023	SAN JUAN	037	WASATCH	051
DAGGETT	009	KANE	025	SANPETE	039	WASHINGTON	053
DAVIS	011	MILLARD	027	SEVIER	041	WAYNE	055
DUCHESNE	013	MORGAN	029	SUMMIT	043	WEBER	057
EMERY	015						

## OTHER ABBREVIATIONS

MIN	Minimum depth in feet	S	Slabbed
MAX	Maximum depth in feet	F	Full Diameter
		C	Core Chips

UTAH-NE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
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2N 7E 3	43	AMERICAN QUASAR PET	3-2 UPPR	S	10074	10233	NGGT	10075 10086 10102	A828
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5N 6E 7	29	AMOCO	1-A1 AMOCO MARATHON	S	9620 10520	9664 10574	FRNR FRNR	9650(2) 10560(2)	C103
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UTAH-SE

18S 7E 15	15	TIGER OIL	41-15 JACK CURTIS	S	2902	2947	MNCS	2813 2821 2828 2830 2833	C041
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26S 7E 7	15	ENERGETICS INC	23X-7 FEDERAL RESERVE	S	3025	3099	KIBB	3025 3035 3036 3038 3042 3051 3056 3063 3064(2) 3067 3075	A866
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UTAH-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
30S 12E 21	55	SOUTHLAND ROYALTY CO	2 BURR DESERT	S	5085	5139	DRCK	5091 5094 5096 5106 5115 5120 5128 5132 5134	B759
34S 25E 25	37	TRANSCO EXPL	1-25 CROWLEY RANCH	S	5866	5915	DRCK	5889.3	C460
35S 20E 29	37	TIERRA PET CO	43-29 N SQUAW FEE	S	6375	6470	DRCK	6429.5 6434(2) 6436 6439	B957
35S 25E 25	37	BUCKHORN PET	16-25 CEDAR POINT FEDERAL	S	6360	6413	DRCK	6401.5	C916
35S 26E 27	37	LEAR PET CORP	27-11 JONES	S	6400	6458	DSRT	6431.5 6437.5	C611
35S 25E 32	36	TRANSCO	1-32 UCOLO	S	6398	6436	DRCK	6412.5 6417.2	C920

UTAH-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
36S 1E 24	17	TENNECO OIL	4 UPPER VALLEY UNIT	S	6325 6375 6418	6364 6418 6518	TMPP TMPP KIBB	BELOW	B425
			THIN SECTIONS						
	6416 6423 6425 6428	6431 6433 6439 6451	6452 6459 6462 6465		6470 6484 6488 6500	6502 6505 6512			
36S 26E 10	COQUINA OIL CORP	23-10 ADRA BAIRD	S	6267	6312	AKAH	6296.3 6300 6302 6309.5		C829
36S 26E 34	37	HUSKY OIL	1-34 STATE LINE	S	6217	6227	DRCK	6219 6221 6223 6224	C501
37S 2E 6	17	TENNECO OIL	19 UPPER VALLEY UNIT	S	7005	7157	KIBB	BELOW	B339
			THIN SECTIONS						
	7005 7007 7019 7022 7039(2) 7041	7047 7050 7056 7063 7071 7079	7081 7083(2) 7088 7089 7096		7098 7102 7115 7125 7128	7132 7139 7142 7151.5 7189			

UTAH-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
37S 2E 19	17	TENNECO OIL	1 TRAP CANYON	S	7510	7555	KIBB	7511 7512 7513 7515 7516 7517 7519 7522 7525 7527 7531	B628
37S 23E 33	37	HAMON JAKE	1 JAKE L HAMON U-4546	S	5855 5960	5908 5997	ISMY ISMY	5857 5865 5873 5880 5882 5888 5891	A639
37S 24E 22	37	DUNCAN R T	1-22 BRADFORD CANYON	S	5842	5895	DRCK	5877.7 5879.9 5880.6	C001
37S 25E 6	37	OIL DEVL CO UTAH	1 PICKETT CORRAL FEDERAL	S	5565 5663	5618 5824	ISMY DRCK	5567 5604 5605	A905
38S 22E 29	37	CARBONIT EXPL INC	1-29 RAPOZO FEDERAL	S	5926 6055	5986 6070	ISMY DRCK	5936 5949	B739
38S 24E 15	37	DAVIS OIL CO	1-E OLES FEDERAL	S	5950	5985	DRCK	5965 5972.5	B742

UTAH-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
38S 25E 28	37	PATRICK PET CO	1-28 NANCY CANYON	S	5891	5985	DRCK	5953.4 5954.5 5955.9 5956.6	B741
38S 26E 20	37	MCOR	1-20 FEDERAL	S	5390 5449 5623	5449 5501 5662	HRMS ISMY DRCK	5472.4 5475.3 5626.1 5631.3 5635.5 5636.2	B750
39S 21E 2	37	PATRICK PET CO	1 BLACK ROCK	S	6331	6373	ISMY	6331-32 6347-48 6350-51 6368 6370-71 6372-73	B736
39S 21E 16	37	CARBONIT EXPL INC	1-16 STATE	S	5517 5626 5681	5552 5673 5712	PRDX PRDX PRDX	5520.6 5528.3 5529.5 5537 5558.2 5563.8 5569.6 5571.1 5581.8 5598.8	B770

UTAH-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
39S 23E 25	37	NATOMAS NORTH AM INC	1-25 FEDERAL MCCRACKEN	S	6004 6101	6060 6132	HRMS ISMY	6005 6009 6011 6022 6032 6033	B289
40S 22E 13	37	ENERGETICS INC	34-13 HOLMES FEDERAL	S	5441 5528	5489 5531	ISMY ISMY	5465.5 5481 5486.5	B713

**WYOMING**  
**ABBREVIATED FORMATION/AGE NAMES**

ALCV -Alcova	DSMS -Des Moinesian	LEO3 -Leo Third	PYLS -Phayles
ALMD -Almond	EMBR -Embar	LKOT -Lakota	RDMK -Red Marker
ALMY -Almy	EOCN -Eocene	LNCE -Lance	RKSP -Rock Springs
AMSD -Amsden	ERCS -Ericson	LINEY -Laney	SKCK -Skull Creek
ANKR -Ankareh	ERVY -Ervey	LWIS -Lewis	SNDC -Sundance
BGHR -Big Horn	EVSJ -Evanston	MDDY -Muddy	SNNN -Shannon
BKTG -Buck Tongue	FLRV -Fall River	MDSN -Madison	SPRF -Spearfish
BLFC -Belle Fourche	FLTD -Flathead	MNCS -Mancos	SSSX -Sussex
BLIR -Blair	FRBK -Fairbanks	MNKT -Minnekahta	STEL -Steele
BMAK -Bentonite Marker	FRGS -Ferguson Sand	MNLS -Minnelusa	STNK -Sataka
BRZR -Brazer	FRNR -Frontier	MGRN -Morgan	TCKL -Teckla
BTLR -Butler	FRUN -Fort Union	MRSN -Morrisson	TCRK -Twin Creek
BXTR -Baxter	FUSN -Fuson	MSNC -Mission Canyon	TMPL -Thermopolis
CDLL -Codell	FXHL -Fox Hills	MTTS -Meeteetse	TPOT -Teapot
CGTR -Chugwater	GPSP -Gypsum Springs	MVRD -Mesaverde	TPTG -Tipton Tongue
CLVL -Callville	GRIV -Grieve	MWRV -Mowry	TRCC -Tertiary-Cretaceous
CMBR -Cambrian	GRNR -Green Horn	NBRR -Niobrara	TRNR -Turner
CNYN -Canyon	GRRV -Green River	NCSL -Newcastle	TRTR -Tertiary
CODY -Cody	GRVR -Gros Ventre	NGGT -Nugget	TSLP -Tensleep
CRCS -Cretaceous	GRWS -Granite Wash	OCTL -Oath Louie	TYNS -Thaynes
CRLI -Carlile	GSEE -Goose Egg	OPCH -Opeche	UNKN -Unknown
CRMN -Crow Mountain	HLRD -Hilliard	OPDR -Open Door	WDRV -Wind River
CRTS -Curtis	HNNA -Hanna	PCMB -Precambrian	WEBR -Weber
CSPR -Casper	HYGN -Hygiene	PEAY -Peay	WFMP -Wolfcamp
DKOT -Dakota	JFRS -Jefferson	PIRR -Pierre Shale	WLCK -Wall Creek
DKOTJ-Dakota J	JRSC -Jurassic	PMFV -Permo Pennsylvanian	WLCK2-Wall Creek Second
DNDY -Dinwoody	LEBO -Lebo	PRKM -Parkman	WLMN -Waltman
DPSS -Depass	LEO -Leo	PSLV -Pennsylvanian	WNPG -Winnipeg
DRBY -Darby	LEO2 -Leo Second	PSPR -Phosphoria	WSTC -Wasatch
DRWN -Darwin			

**WYOMING  
COUNTY NUMBERS**

ALBANY-----001	FREMONT-----013	NATRONA-----025	SWEETWATER-----037
BIG HORN-----003	GOSHEN-----015	NIOBRARA-----027	TETON-----039
CAMPBELL-----005	HOT SPRINGS-----017	PARK-----029	UINTA-----041
CARBON-----007	JOHNSON-----019	PLATTE-----031	WASHAKIE-----043
CONVERSE-----009	LARAMIE-----021	SHERIDAN-----033	WESTON-----045
CROOK-----011	LINCOLN-----023	SUBLETTE-----035	YELLOWSTONE NATL PK--047

**OTHER ABBREVIATIONS**

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

WYOMING-NE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
1N 1E 15	13	GENERAL CRUDE OIL CO	12-15 TRIBAL RIVERVIEW	S	4612 4993	4627 5044	MWRY MDDY	5014(2) 5015.5(2) 5018(2) 5020 5025(2) 5030(2) 5035(2) 5040(2)	B002
1N 1E 17	13	GENERAL CRUDE OIL CO	16-17 TRIBAL RIVERVIEW	S	3209	3232	MDDY	3213(2)	A996
2N 3E 14	13	AMOCO	1-14 SHOSHONI ARAPAHOE TRIBAL	S	3741 3930 5613 6755 8202 9808 11932	3770 3961 5672 6797 8219 9837 11946	WDRV WDRV FRUN FRUN FRUN FRUN LNCE	3749-50 3759-60 3767-68	S229
4N 3E 16	13	HUSKY OIL	11-16 TRIBAL	F	3466	3519	WDRV	3466(2) 3495 3505	R022



WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
2N 1W 10	13	PHILLIPS PET CO	1 JOHNSTOWN DRAW A	S	6135	6184	PSPR	6135 6139.2 6140 6142.5 6145 6146.2 6149 6156 6158 6161.3	A471
2N 1W 21	13	GENERAL CRUDE OIL CO	10-21 TRIBAL BIG HORN	S	1320 1362 1376 3980	1337 1363 1407 4021	MWRY MWRY MDDY PSPR	1377.5(2) 1380(2) 1388(2) 1393(2) 1397.5(2) 1405(2) 1406(2) 3984	B327
5N 2W 16	13	FOREST OIL CORP	16-2 TRIBAL	S	2471 5005	2521 5086	FRNR NGGT	BELOW	B531
THIN SECTIONS									
	5005	5022(2)	5033	5048	5070				
	5009	5023	5034	5053	5079				
	5013	5027	5040	5062	5084				
	5017	5030	5044	5065					
13N 95W 8	37	HOME PET	10 TRITON	S	13278	13335	LWIS	13313 13332	S487

WYOMING-NW

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13N 113W 5	41	FOREST OIL CORP	1 HENRY UNIT	S	13210	13389	DKOT	BELOW	B629
			THIN SECTIONS						
	13253		13268(2)		13367	13373			
	13256		13270		13368	13374(2)			
	13258		13272		13369	13375			
	13259		13273						
13N 113W 6	41	FOREST OIL CORP	2 HENRY UNIT	S	13025 13406	13073 13545	FRNR DKOT	BELOW	C738
			THIN SECTIONS						
	13025		13068		13485	13529-30			
	13027(2)		13072(2)		13487.2	13531-32			
	13036		13413-14		13489	13533-34			
	13037-38(2)		13414.9		13490	13535-36			
	13043		13415		13504	13536			
	13051(2)		13415-16		13507	13539-40			
	13052		13416		13515	13541.2			
	13054		13429-30		13522	13541-42			
	13057		13431		13524	13542			
	13060		13432		13525-26	13543-44			
	13063		13434		13526	13544			
	13066		13434.2						

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
13N 113W 8	41	FOREST OIL CORP	11 HENRY UNIT	S	13454 13532	13475 13573	DKOT DKOT	BELOW	B374
			THIN SECTIONS						
	13465	13535	13543		13553(2)	13568			
	13466	13537	13544		13556	13570(3)			
	13467	13539	13548		13559	13571.5			
	13474	13541	13550		13561(2)	13572			
	13532(2)	13542	13551		13565(2)				
13N 113W 9	41	FOREST OIL CORP	10 HENRY UNIT	S	13436 13498	13443 13537	DKOT DKOT	13436 13439 13441 13500 13503 13505 13508 13509 13511 13513 13514 13517 13521 13522	C646
13N 113W 17	41	ENSTAR PETROLEUM	12 HENRY UNIT	S	13536 13603	13550 13635	DKOT DKOT	13603 13604 13607 13608-09 13610 13615 13617 13619 13621 13623	C663

WYOMING-NW

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13N 114W 1	41	FOREST OIL CORP	3 HENRY UNIT	S	13083 13513	13188 13544	FRNR DKOT	13084 13092 13514 13515-16 13518 13519-20 13520 13522 13522-23	C645  13523-24 13526-27 13528 13529-30 13530-31 13531-32
13N 114W 9	41	FOREST OIL CORP	2 REED	S	13913 13964	13936 13973	DKOT DKOT	13913-14 13915-16 13918-19 13965-66 13967-68 13969-70	D046   13970-71 13971-72 13972-73
13N 114W 35	41	AMERICAN QUASAR PET	35-14 TAYLOR FEDERAL	S	13810 14124 14230	13870 14161 14262	FRNR DKOT DKOT	14230-31 14232 14233-34 14236-37 14238-39 14239 14241-42 14242-43 14243 14248	C578   14251-52 14254 14254-55 14258 14260-61 14261
14N 68W 1	21	ARGO PET CORP	1-1 POLO RANCH	S	9393 10536 10560	9450 10560 10596	MVRD MDDY	10567 10580	S203

WYOMING-NW

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14N 91W 13	7	AMERICAN QUASAR PET	1 BROWNING FEDERAL	S	11048	11088	TSLP	11049.4 11070.2	A492
14N 92W 7	7	COLO INTERSTATE GAS	1-7 BLUE GAP UNIT II	S	9138	9159	MVRD	9138	A222
14N 92W 8	7	CIG EXPL INC	2-8 BLUE GAP UNIT II	S	9052	9298	MVRD	9082-83 9084-85	A221
14N 113W 32	41	FOREST OIL CORP	4 HENRY UNIT	S	13272 13351 13379	13310 13374 13402	DKOT DKOT DKOT	BELOW	C655
THIN SECTIONS									
	13279-80 13352-53 13355-56 13356-57	13358-59 13359-60 13361-62 13363-64	13364-65 13379-80 13382-83 13384-85		13386-87 13388-89 13390-91 13393-94	13395-96 13398-99 13400-01			
14N 113W 32	41	FOREST OIL CORP	4A HENRY UNIT	S	13077 13454	13099 13499	FRNR DKOT	BELOW	B890
THIN SECTIONS									
	13078-79 13082(2) 13084-85 13093(2)	13454-55 13456-57 13456.5 13457-58	13457.5 13462(2) 13466-67 13470-71		13474-75 13476-77 13479.4 13479.5	13481-82 13488(2) 13498.5(2)			

WYOMING-NW

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14N 113W 33	41	FOREST OIL CORP	8 HENRY UNIT	S	13804 13826	13817 13856	DKOT	BELOW	C644
			THIN SECTIONS						
	13806-07		13812-13		13841-42	13851			
	13807-08		13826		13843-44	13852-53			
	13809-10		13828-29		13845	13854-55			
	13810-11		13831-32		13846-47	13856			
	13811								
15N 63W 2	21	DAVIS OIL CO	1 1A FEE	S	8095	8213	MDDY	8102 8115 8129 8169 8204 8205	B901
15N 92W 21	7	MOSS WM	10-21-15 FEDERAL	S	8520	8577	MVRD	8521-22 8526-28 8537-38 8551-52 8560-61 8565-68 8569-70	B069

WYOMING-NW

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15N 103W 8	37	HILLIARD O & G INC	2 FEDERAL JOYCE CREEK	S	4631	4695	NGGT	4638 4640.3 4642 4647 4649 4652.5 4653 4654 4658 4662 4662.2	A502
15N 103W 31	37	ENSOURCE INC	2-31 ENSOURCE FEDERAL	S	4754 5207 5288	4781 5234 5312	FRNR MWRY DKOT	5296 5298 5299 5300 5301 5303	C842
15N 111W 20	37	WOODS PET	1 LEO UNIT II	S	11833 14235	11867 14293	HLRD NGGT	11833(2) 11866(2) 14254-55 14255 14256-57 14259-60 14263-64 14267-68 14274-75 14278-79	B630
								14280-81 14282 14282-83 14284-85 14287-88 14292	

WYOMING-NW

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15N 112W 29	41	MOUNTAIN FUEL SUPPLY	1 BUTCHER KNIFE	S	17833 17857 18300 18308 18329 18345	17837 17860 18303 18313 18331 18347	WEBR WEBR MRGN MRGN MRGN MRGN	17849.5 18610.5	C868
15N 113W 14	41	UNION TEXAS PET	1-14 MCLISH FEDERAL	S	13008	13112	DKOT	BELOW	B751
THIN SECTIONS									
	13018.5	13035	13052.8		13076.6	13088.4			
	13026	13036.4	13054.5		13080.2	13092.5			
	13030.1	13043.5	13061		13083.1	13100.5			
	13032.3	13048	13066.5		13086.5	13111.3			
16N 63W 36	21	DAVIS OIL CO	1 DAVIS STATE	S	8087	8118	MDDY	8090 8107 8111	B905
16N 64W 5	21	DAVIS OIL CO	1-A SANDBERG	S	8729	8849	MDDY	8729 8739 8807	B897
16N 93W 11	7	PAN AMERICAN PET	3 UNIT BARREL SPRINGS	S	8373	8419	LWIS	8404	B268



WYOMING-NW

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16N 101W 2	37	CHAMPLIN PET	13 W BRADY DEEP UNIT	S	13760	13950	WEBR	13764.8 13788.5 13821.8 13840.4	A742
16N 101W 2	37	CHAMPLIN PET CO	41-2 BRADY	C	13831	14318	WEBR	13842 14073 14227.6 14306.5	C878
16N 101W 11	37	CHAMPLIN PET	5 BRADY UNIT 11-11	S	11590	11938	NGGT	BELOW	S817
THIN SECTIONS									
	11591(2)	11643	11710		11773	11796(2)			
	11597	11649	11711		11776	11804			
	11598	11655	11723		11777	11815			
	11605(2)	11661	11731		11778	11860			
	11612	11662	11735(2)		11779	11883			
	11614	11663	11736		11780(2)	11896			
	11621	11679	11741		11784	11904			
	11625	11680	11749		11785(2)	11906			
	11635	11695(2)	11752		11787	11915			
	11642	11698	11758(2)		11790	11926			
16N 112W 20	41	MOUNTAIN FUEL SUPPLY	23 UNIT	S	12380 12410	12401 12475	FRNR FRNR	12395(2) 12430 12433.4 12439 12456(2) 12476(2)	A356

[illegible]

16N 112W 8	41	MOUNTAIN FUEL SUPPLY	19 UNIT	C	17078 17129	17128 17164	PSPR WEBR	17151 17163	A532
16N 112W 30	41	MOUNTAIN FUEL SUPPLY	20 UNIT	S	12864 12882 12893 12932 12946 12994 13079	12868 12885 12914 12945 12976 13049 13082	DKOT DKOT DKOT DKOT DKOT DKOT MRSN	12912 12938 12944 12948 12956 12962 12964 12978 12972 12975 12998 13002 13009	A363
17N 64W 15	21	DAVIS OIL CO	1 BRUEGMAN	F	8508 8560 8582	8560 8582 8626	MWRY MDDY DKOTJ	8512 8515 8569 8586 8590 8606	S223
17N 93W 9	7	AMOCO	1 CHAMPLIN AMOCO B 226	S	8959	8983	LWIS	8961.7	B310
17N 95W 18	37	AMOCO	1 USA-U	S	10730	10822	LWIS	10744 10791	C136
17N 99W 14	37	CHAMPLIN PET	3 HIGGINS	S	15775	15777	NGGT	15775 15776	A821

WYOMING-NW

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18N 63W 36	21	DAVIS OIL CO	1 MILDRED STATE	S	7796	7885	MDDY	7796 7810 7814 7854	A746
18N 64W 35	21	DUNCAN R T	1 H-K HARDING KIRKBRIDE	F	8419 8479	8479 8539	MDDY MDDY	8465 8495	S236
18N 89W 2	7	FOREST OIL CORP	2-1 UNIT STATE	S	3163 3256 3308	3210 3298 3348	MDDY DKOT LKOT	3253 3256 3264 3267 3271 3284 3312 3313(2) 3315 3317 3323	B212
18N 98W 2	37	TEXACO INC	15 UNIT TABLE ROCK	C	15684 16918 17026 17218 17337 17367	15712 17020 17204 17330 17360 17404	CGTR PSPR WEBR WEBR UNKN UNKN	17328 17351	A544

WYOMING-NW

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18N 98W 2	37	TEXACO INC	22 UNIT	S	13920 14546	13940 14566	BXTR DKOT	14546 14549 14550 14552 14554 14556 14557.7 14562 14564	A767
18N 98W 21	37	CHAMPLIN PET	2 HIGGINS UNIT 33-21	S	15834	15895	NGGT	15834 15836 15838 15839 15871 15878 15881	B032
18N 112W 2	37	TEXACO INC	1 R M DONLEY NCT-2	S	12035	12082	DKOT	12062-63 12065-66 12067-68 12077-78 12080-81	S241
18N 112W 24	37	C & K PETROLEUM	1 BRUFF FEDERAL	S	11830 11890	11889 11950	FRNR FRNR	11864(2) 11908(2) 11946(2)	B275
18N 113W 29	41	AMOCO	228-A-1 CHAMPLIN	S	12126	12180	FRNR	12128 12172 12179	A642

WYOMING-NW

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19N 67W 36	21	INEXCO OIL CO	1 STATE SWINBACK	F	9583	9621	MDDY	9582 9586	S246
19N 98W 7	37	FOREST OIL CORP	40-7-5 ARCH UNIT	S	4893	4945	LWIS	4943	B267
19N 101W 3	37	LUFF KENNETH	3-3 AMOCO CHAMPLIN	S	6534	6634	FRNR	6577.5(2) 6603.5(2) 6634(2)	A995
19N 103W 14	37	HUSKY OIL	13-14 FEDERAL BAXTER	S	3693	3738	DKOT	3694 3695 3696 3697	C830
19N 104W 11	33	MOUNTAIN FUEL SUPPLY	4 UPRR 11-19-104	S	6404 6580 7490 7850 7991 7991 8400 8905 9139 9260 9264 9290	6580 7490 7850 7991 8400 8905 9139 9264 9290	WEBR AMSD MDSN DRBY CMBR GRVR FLTD FLTD GRWS	6432.5 6511.1 6520	D037
19N 114W 15	23	AMOCO	2 DRY MUDDY CREEK	S	12209	12268	FRNR	12209 12210.8 12227 12229 12234 12236.5 12238	A645

WYOMING-NW

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20N 67W 34	31	C & K PETROLEUM	1 TRANSCO PHELAN	S	9332	9360	MDDY	9335 9344 9357	S315
20N 95W 21	37	AMOCO	441 CHAMPLIN AMOCO A	S	9086	9223	LWIS	9168 9218	B291
20N 96W 30	37	FOREST OIL CORP	1-30-1 GOVERNMENT	S	7936	8037	ALMD	7938 7970 8011	B529
20N 97W 22	37	FOREST OIL CORP	1-22-1 MUSTANG UNIT	S	7453	7503	ALMD	7480.5 7484.5 7502.5	B328
20N 99W 20	37	TEXAS NATIONAL PET	1-20 GOVERNMENT	S	3642 3832	3692 3876	LWIS LWIS	3834	B057
20N 99W 28	37	MESA PETROLEUM CO	28K UPRR	S	3755	3812	ALMD	3773.9 3781.1 3793 3805.9	A111
20N 105W 7	37	DAVIS OIL CO	1 DINES UNIT	F	12821	13505	FRNR	12819(2) 12834(2) 12855 13478.5(2) 13491(2) 13503-05(2)	S326
20N 105W 18	37	DAVIS OIL CO	2 DINES UNIT	F	13106	13113	FRNR	13109 13112	S327

**WYOMING-NW**

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20N 112W 17	23	AMOCO	3 WILSON RANCH UNIT	S	11296	11351	FRNR	11296.5 11300.2 11305.8 11322	A670
20N 112W 18	23	C & K PETROLEUM	1 CHRISMAN ET AL	S	11090 11125	11103 11162	FRNR FRNR	11090.2 11095.5 11098.5 11125.2 11132.6 11135.6 11138 11143.2 11144 11146 11153.3 11154.5 11159	B121
21N 64W 15	15	DAVIS OIL CO	1 CANYON VIEW-FEDERAL	S	8812	8849	MDDY	8817 8823 8828 8837	A735
21N 79W 4	7	MOBIL OIL CORP	F-14-4G UNIT	F	6304 10652 10857 10900 11015 11040 11212 11251 12490 12615	6369 10698 10879 10916 11040 11212 11251 12500 12623	STEL DKOT SNDC SNDC SNDC NGGT CGTR TSLP TSLP	11083.5 11115.5 11134 11168 11204.5	S330
21N 95W 19	37	AMOCO	1 CHAMPLIN 527 AMOCO A	S	8965	9058	ALMD	8971.5 8996 9013 9053.6	B008

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21N 97W 19	37	UPRR	19 DESERT SPRINGS UNIT	S	5831	5950	LWIS	5846 5910	B306
21N 114W 13	23	AMOCO	1 CHAMPLIN 244 AMOCO	S	11936 11965	11948 12062	FRNR FRNR	11937 11967 11974 11981.8 11982 11986.6 11989.2 11991.8	A626
22N 90W 15	37	AMOCO	1 CHAMPLIN 446 AMOCO A	S	14185 14299	14245 14413	LWIS MVRD	14194.3 14262.4	B063
22N 96W 5	37	AMOCO	1 CHAMPLIN-438 AMOCO A	S	9510 9568 9689 9707 9774 9811 9845 9878 9919	9528 9684 9707 9718 9804 9825 9863 9914 9930	LWIS LWIS LWIS ALMD ALMD ALMD ALMD ALMD ALMD	9524 9568.5 9575 9578.5 9629.5 9649.5 9666.5 9693.5	B107



WYOMING-NW

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23N 94W 21	37	AMOCO	1 CHAMPLIN 450 AMOCO A	S	11807 11839 11851 11910 11970 12125 12184 12224 12284 12335 12395	11828 11849 11856 11967 12067 12178 12211 12246 12326 12385 12434	LWIS LWIS LWIS LWIS ALMD ALMD ALMD ALMD ALMD ALMD ALMD	11939 11964	B084
23N 95W 31	37	AMOCO	1 CHAMPLIN 320 B	S	9905 9955 9983	9950 9959 10013	LWIS LWIS	9947	B347
23N 112W 32	23	AMOCO	1 SHUTE CREEK UNIT	S	10755	10855	FRNR	10758 10763.5(2) 10777.2 10779(2) 10785.8 10794.6 10799(2) 10799.2	A549 10800.6 10803.5 10823 10832(3) 10855(2)

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24N 96W 24	37	ENERGY RESERVE GROUP	2-24 NICKEY UNIT	S	10942 11221 11290 11884 11994 12457 12494 12531	11002 11280 11350 11916 12037 12463 12524 12540	LWIS LWIS LWIS ALMD ALMD ERCS ERCS ERCS	10962(2) 11251	B521
24N 97W 27	37	DAVIS OIL CO	5 HAY RESERVOIR	S	9982	10038	LWIS	9984.4 9985 9994 10001 10008 10009.7 10022 10028 10033.5 10035	B127
24N 97W 27	37	HOME PET	41 HAY RESERVOIR	S	10018	10072	LWIS	10024 10054 10062	C409
24N 97W 28	37	DAVIS OIL CO	11 HAY RESERVOIR	S	9918	9950	LWIS	9919.5 9930.5 9932.5 9937.5 9938 9943 9945	B085

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24N 111W 5	37	C & K PETROLEUM	4 LINCOLN ROAD	S	9287 9355 9472	9315 9450 9506	FRNR FRNR FRNR	9288(2) 9314(2) 9355.5 9360.5(2) 9399 9400(2) 9410 9419	B503    9440 9476.7 9486.3 9498.5
24N 111W 9	37	C & K PETROLEUM	1 LINCOLN ROAD	S	9560	9668	FRNR	9570(2) 9596(2) 9610(2) 9629(2) 9657(2)	B125
25N 107W 30	37	AMERICAN HUNTER	A-1 ENTERPRISE	F	10647 10703 15925 16862	10703 10763 16059 16917	MVRD BLIR FRNR DKOT	16862 16863 16865 16866 16867 16868 16870 16879 16908 16915	S356
25N 110W 27	37	ENERGETICS INC	32-27 FEDERAL	S	10487 11232	10521 11260	FRNR DKOT	10487 10505 10521 11242-43 11249 11249-50 11250-51	B022    11254.5 11255-56 11259

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25N 112W 9	23	PACIFIC TRANS SUPPLY	41-9 FEDERAL	S	8650 8708	8671 8753	FRNR FRNR	8650 8660 8711 8739 8744 8747-48 8750	B502
26N 90W 2	37	SINCLAIR O&G	C-14 UNIT TR4	S	5293 5827 5976 6700 7388 7721	5650 5829 6000 7128 7447 7727	TSLP DRWN MDSN CMBR CMBR PCMB	5358 5829 7388	A298
26N 90W 10	37	SINCLAIR O&G	114A UNIT	S	1808 1943 4669 5156 5371	1855 1973 5124 5293 5802	MDDY DKOT TSLP TSLP DRWN	1811 1830 1845 1850 1947 4683 4750 4754 4765 4766	A250
26N 90W 11	37	ARCO	C-127 LOST SOLDIER UNIT	S	1365 1492 5927	1398 1505 5947	FRNR DKOT FLTD	1372 1374 1384 1387 1398(2) 1493 1503	A308

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26N 103W 3	37	RAINBOW RESOURCES	1-3 PACIFIC CREEK FEDERAL	S	12399 12630 12688 12730 13410	12496 12667 12730 12777 13500	ERCS ERCS ERCS RKSP RKSP	12400-01 12435-36 12443-44 12455-56 12476-77 12495-96 12630-31 12691-92 13429-30	B633
27N 113W 31	35	MOBIL OIL CORP	13-31 HOGSBACK	S	11020	11079	NGGT	11020(2) 11024 11025 11031 11032 11036 11037 11046	B015   11051 11061 11063 11069 11076
27N 113W 34	35	TEXACO INC	TP-5	S	873	1065	ALMY	993 1026 1033 1047 1055 1056 1058	B793
27N 113W 36	35	BELCO PET CORP	T-67-36 GREEN RIVER BEND UNIT	S	2422	2500	WSTC	2458 2493	C660
27N 114W 4	35	MOUNTAIN FUEL SUPPLY	3 UNIT	S	6930 7673	7013 7749	FRNR FRNR	6979 7725.5(2) 7747(2)	A023

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27N 114W 10	35	MOUNTAIN FUEL SUPPLY	18 UNIT	S	10930 11048 11241 11401	10985 11143 11299 11506	NGGT NGGT NGGT NGGT	BELOW	A421
THIN SECTIONS									
	10931	10971	11121		11407	11470			
	10936	10981	11141		11427	11478			
	10937	10985(2)	11245		11433	11481			
	10943	11057(2)	11279		11437	11488			
	10949	11084	11287		11447	11500			
	10958	11093	11291		11457	11506			
	11967	11106	11299		11468	11513			
28N 93W 13	13	SINCLAIR O&G	11 UNIT	S	5592	5661	NGGT	5592 5658	A253
28N 115W 4	35	BELCO PET CORP	4-4 HOBACK UNIT	S	11235	11294	NGGT	11240 11255 11271.5 11272 11275.3 11277 11283 11287 11290 11292 11293.3	A743

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30N 108W 5	35	EL PASO NATIONAL GAS	1 WAGON WHEEL	S	5000 5058 7040 7340 8028 8920 10139 10188 10963 13095 14897 16062 17163	5038 5075 7138 7400 8142 9004 10176 10259 11072 13203 14955 16121 17970	EOCN EOCN FRUN FRUN FRUN FRUN FRUN LNCE LNCE ERCS ERCS CRCS CRCS	8947	B433
32N 84W 19	25	ELF AQUATAINE O&G	9-19 GOVERNMENT	F	7600 7935	7603 7940	FRNR FRNR	7899 7903 7906 7908 7913 7919	S386
32N 85W 14	25	GRAYROCK CORP	1-14 FEDERAL AUSTIN	S	10320	10371	MDDY	10311.5(2) 10315.3 10315.5 10318.9 10325 10326.5 10329.5 10331 10339.1	A229
32N 85W 21	25	FOREST OIL CORP	12-21-2 UNIT	S	6196	6296	SKCK	6200 6290	A320

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32N 85W 21	25	FOREST OIL CORP	9 UNIT 21-1	S	6493	6554	SKCK	6497 6514 6522 6527 6536 3640(2) 6542 6549 6554(2)	A264
32N 85W 22	25	FOREST OIL CORP	13 UNIT 22-8	S	6734	6764	MDDY	6738 6746 6755	A322
32N 85W 22	25	FOREST OIL CORP	15-22-9 UNIT	S	7118	7183	MDDY	BELOW	A337
THIN SECTIONS									
	7119(2) 7121 7123(2) 7127	7139(2) 7142(2) 7149 7153	7156(3) 7157 7158 7161		7163(2) 7165 7170 7175	7177 7179 7182			
32N 85W 22	25	FOREST OIL CORP	18 GOVERNMENT 22	S	6921	6994	MDDY	6923 6927 6935 6942 6947 6954 6959 6961(2)	A257
								6965 6972.5 6978(2) 6978.5 6991(2)	



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32N 85W 22	25	FOREST OIL CORP	8A 22-6 GRIEVES	S	6882	6997	MDDY	6882 6905 6910 6912 6917 6925 6930 6930.5 6952 6960 6964 6965 6984.5 6993 6995	A336
32N 85W 26	25	FOREST OIL CORP	21 GOVERNMENT 26-2	S	6896	6989	MDDY	6904(2) 6913 6920 6925(2) 6932 6940.5 6946 6959 6965 6970 6979 6984 6989(2)	A256
32N 85W 26	25	FOREST OIL CORP	22 UNIT 26-3	S	6951	7025	MDDY	7016.5 7017 7019	A341
32N 85W 26	25	FOREST OIL CORP	23 UNIT 26-4	S	6887	6991	MDDY	6893 6905 6916 6922 6925 6933 6956 6960 6964	A339

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32N 85W 26	25	FOREST OIL CORP	34-26-8 GRIEVES	S	7048	7090	MDDY	7048(2) 7055(2) 7085 7089 7091(2)	A335
32N 86W 14	25	FOREST OIL CORP	14-1 UNIT	S	3721	3768	SKCK	3758 3767	A265
32N 95W 10	13	SINCLAIR O&G	18 BIG SAND DRAW UNIT	S	6897 7060	6913 7607	PSPR TSLP	BELOW	A693
THIN SECTIONS									
	7065	7122	7223		7284	7492			
	7085	7125	7225		7292	7504			
	7090	7147	7235		7298	7510			
	7074	7169	7241		7457	7521			
	7103	7173	7246		7464	7534			
	7107	7188	7262		7468	7536			
	7109	7196	7271		7483	7583			
	7114	7199							
33N 71W 23	9	GREAT WESTERN ENERGY	1 WALLIS	S	7825 14871	7876 14898	TPOT MNLS	14875 14883 14884 14887 14894 14898	A514
33N 75W 5	9	CONOCO	3 REFINERY	S	7136	7150	MDDY	7143 7150	A807

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33N 76W 13	9	CONTINENTAL OIL	3 STATE 13	S	5778	5859	DKOT	5815 5821 5828	A458
33N 77W 14	9	ANSCHUTZ CORP	8-14 TERRA STATE	S	4715	4769	DKOT	4749	B570
33N 82W 28	25	MOBIL PROD	1 CLEVIDENCE F22-28-G	S	3890 3952	3896 3975	PSPR TSLP	3954 3958 3962 3966	A389
33N 84W 10	25	UNION OIL	36-B10 WEST POISON SPIDER UNIT	S	15895	16015	MRSN	15904.1 15904.9 15936 15938 15970.9 15986.8	C280

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33N 86W 23	25	DIAMOND SHAMROCK	2-23 NORTH GRIEVE	S	10220	10296	MDDY	BELOW	A377
THIN SECTIONS									
	10220	10259	10266(2)		10276	10284.3			
	10229	10262(3)	10268		10277	10285(2)			
	10232	10263.5	10269		10278	10286.4			
	10238(2)	10264.2	10269.5		10279.9	10286.7			
	10240	10264.9	10270		10280.8	10290			
	10245	10265.2	10272		10281.5	10291			
	10255(2)	10265.5	10274.5		10282	10295			
33N 86W 23	25	DIAMOND SHAMROCK	3 GRIEVE NORTH UNIT	S	10985	11026	GRIV	10995.3 10999.3 11000	A235
33N 86W 26	25	DIAMOND SHAMROCK	1-26 NORTH GRIEVE UNIT	S	10200	10235	MDDY	10206.8 10211 10213.9 10223.8 10225.3 10230.7	A529
33N 86W 27	25	DIAMOND SHAMROCK	1-27 KESSLER FEDERAL	S	8584	8627	GRIV	8591 8595 8602 8606.5 8607.5 8610 8620 8624(2) 8627(2)	A604

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33N 87W 14	25	BASS ENTERPRISES	14-22 JAMESON CITIES	S	7810 8154	7843 8217	PSPR TSLP	8171 8185 8194 8197	D168
34N 60W 9	27	SAMUEL GARY OIL PROD	9-1 SWOPE	S	3969 4126	4027 4179	LEO2 LEO3	4142	C894
34N 72W 20	9	DAVIS OIL CORP	1 MORPHA FEDERAL	S	12430	12526	FRNR	12476 12478 12490 12494 12520 12525	D012
34N 75W 7	9	PHILLIPS PET CO	B-1 WERNER	S	12477 12489	12484 12534	MNLS MNLS	BELOW	A435
THIN SECTIONS									
	12479 12482 12484 12489 12491	12493 12495 12496.5 12497 12499	12500 12502 12506 12511 12513		12517 12517.5 12518(2) 12519	12524 12525 12527 12533			
34N 76W 14	9	GENERAL CRUDE OIL CO	7-14 FEDERAL GLENROCK N	S	9625	9644	MDDY	9627	C029

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34N 77W 29	25	SUPERIOR OIL CO	36-29 SO GEARY UNIT	S	6100 6243 7842 8451 8531	6134 6917 7900 8526 8545	MDDY DKOT TSLP MDSN MDSN	6131 7893 7899	B492
35N 77W 16	25	GENERAL PET	28-16 STATE	S	7935	7940	DKOT	7939 7940	A874
35N 77W 21	25	MOBIL OIL CORP	T63-21-G COLE CREEK	S	6750 7064	6880 7083	FRNR FRNR	6766 6784.1 6802 6812 7071 7074 7080	B735
36N 63W 1	27	TENNECO OIL	1 FLUENT	S	4347 6309	4391 6398	FLRV LEO	6330 6334 6334.5 6337 6356.5 6373 6378 6381.8 6382	B731

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36N 63W 8	27	TENNECO OIL	1 USA M WOLF	S	6277	6320	LEO	6277 6279(2) 6282 6284 6290 6292 6293 6304 6306	S449
36N 63W 17	27	MCMORAN EXPL CO	1 GALLES FEDERAL	S	4186 4241	4225 4265	NCSL DKOT	4202 4203 4204.1 4212.7 4213.8 4217.5 4243 4243.5 4244 4245 4247 4748 4248.5 4250.2 4252 4253.1 4256.2 4257.5 4260 4261.9	A430

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36N 65W 34	27	CONTINENTAL OIL	26 BELL 1-0	S	3993 5240 5450	4043 5301 5502	SNDC RDMK LEO	BELOW	A513
THIN SECTIONS									
	5256	5285.6	5457.5		5480.5	5492.5			
	5256.5	5295.4	5466		5484.5	5495			
	5263	5451.5	5469		5487.5	5495.5			
	5268.4	5453.3	5477		5490	5497			
	5277	5454	5478.5		5491	5501			
	5277.2	5455.6							
36N 66W 35	27	DAVIS OIL CO	1 QUISENBERRY	S	9182	9235	MDDY	9191.1 9198 9205.1 9212	A646
36N 74W 16	9	NATOL PET	2 HORNBECK UNIT	S	9395	9426	PRKM	9395 9401.2 9404 9405.9 9406.5 9416.5 9424.5 9426.5	A272



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36N 75W 31	9	EXXON CORP	1 BADGER UNIT	S	12291 12324	12324 12351	DKOT DKOT	BELOW	A442
THIN SECTIONS									
	12291	12299	12304		12337	12345			
	12292.2	12300.2	12310		12339	12346.6			
	12293	12301.8	12324		12340.3	12348.8			
	12294.2	12303.2	12327		12342.7	12359			
	12297.5	12303.7	12336						
36N 77W 6	25	AMERADA PET	11 SAGE SPRING CREEK UNIT	S	7340 7343	7343 7376	SKCK DKOT	7342 7345 7356 7373	A432
36N 77W 7	25	AMERADA PET	5 UNIT	S	6692 7576	6733 7613	WLCK DKOT	7591 7593	A436
36N 77W 33	25	CHAMPLIN PET	1 MCINTYRE FEDERAL	S	8575 8622	8622 8654	MDDY SKCK	8612 8623 8626 8632	A316
36N 93W 18	13	NORTHERN NAT GAS CO	3-18 FEDERAL 193	S	3030	3081	FRUN	3036 3037 3041	S463
36N 93W 18	13	NORTHERN NAT GAS CO	7-18 FEDERAL 886	S	2352	2465	FRUN	2431.5 2434	B477

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37N 65W 27	27	MACPET	33-27 USA	S	7997	8030	DKOT	7997 7999.9 8001 8003.7 8009.5 8010.6 8011.8	A504
37N 65W 28	27	DIAMOND SHAMROCK	1 ANDRIKOPOULOUS FEDERAL	S	8210	8260	DKOT	8210.1 8211 8215 8219 8228 8229 8229.9 8231	A431
37N 67W 8	9	POGO PRODUCING CO	1 SKYLINE RIEHLE	S	9447	9483	MDDY	9455 9457 9460(2) 9463 9463.5	C074
37N 68W 6	9	MILESTONE PETROLEUM	22-6 PARKER SPARKS	S	10630	10667	MDDY	10636.2 10638.1 10638.4 10639.9 10642.1 10643.3 10644.8	S407  10645.5 10646 10648.9 10650.9

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37N 75W 2	9	MICH-WISC PL CO	1-2 FEDERAL	S	12927	12979	FRNR	12946 12949 12956 12965	B974
37N 75W 24	9	MICH-WISC PL CO	1-24 SOUTH SPEARHEAD	S	12720	12761	FRNR	12722.2 12723.1 12724.9 12725 12731 12735 12742 12746 12747.8 12751.2 12755	B975
37N 77W 18	25	TIGER OIL	13-18 FEDERAL	S	5986 6890	6000 6914	FRNR DKOT	6087 6089 6096 6911 6913	B202
37N 77W 31	25	AMERADA PET	9 UNIT	S	7255 7267	7256 7291	SKCK DKOT	7267 7275 7290	A443
37N 78W 8	25	CENTURY	8-1 FEDERAL	S	6799	6838	DKOT	6800 6801 6808 6813 6815 6818 6830 6831	C337

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37N 78W 13	25	AMERADA PET	10 UNIT	S	6842 6852	6852 6883	SKCK DKOT	6879	A348
37N 78W 15	25	TRUE OIL	44-15 FEDERAL	S	7322	7354	DKOT	7327 7329 7331 7337 7338 7339 7346 7352 7354	A402
37N 79W 3	25	DAVIS OIL CO	1 BURKE RANCH FEDERAL	S	6000	6029	DKOT	6001 6007	A724
37N 79W 11	25	DAVIS OIL CO	1 FREEDOM FEDERAL	S	6483	6523	SKCK	6499 6500 6519.5	B033
38N 61W 19	27	MOBIL OIL CORP	F-14-19-P PFISTER B	S	3122	3136	LEO	3123.5 3134	B375
38N 69W 1	9	INEXCO OIL CO	1 FEDERAL MYERS	S	5881 5890 5899	5884 5896 5922	TCKL TCKL TCKL	5882 5883.6 5895.5 5904 5905.8	B639
38N 69W 6	9	INEXCO OIL CO	10 UNIT	S	10680 10680	10730 10730	MDDY MWRY	10692 10693 10693.5	A495

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38N 73W 2	9	CHAMPLIN PET	1-44 ANGEL USA	S	8529	8589	PRKM	8529.5 8531.4 8533.5 8535 8538 8541.8 8545.5 8550.5 8561.5	A284
								8567.5 8571.5 8575.7 8579.5 8587.5	
38N 73W 29	9	DAVIS OIL CO	1 HORSEBUSH FEDERAL	S	10140	10189	SSSX	10142 10149.5 10153	R691
38N 74W 27	9	DIAMOND SHAMROCK	44-27 STRANGE FEDERAL	S	8889 9203 12664	8949 9263 12799	TPOT TPOT FRNR	12664(2) 12685(2) 12694 12732(2) 12735 12740 12745 12756 12765 12798(2)	A659
38N 75W 22	9	SUPERIOR OIL CO	2 BEAR CREEK UNIT	S	14092	14097	MDDY	14092 14095	B273
38N 75W 26	9	SUPERIOR OIL CO	3 BEAR CREEK UNIT	S	13841	13905	MDDY	13858 13877 13896	A122

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
38N 77W 14	9	AMOCO	1 ORMSBY DRAW UNIT	S	9859	9898	DKOT	9866 9877.5 9878 9888 9890 9895(2) 9898(2)	A997
38N 78W 10	25	FENIX & SCISSON	41-MX-10 NPR 3	S	3700	3749	MDDY	3719 3720 3730.5	C752
38N 78W 10	25	FENIX & SCISSON	56-TPX-10 NPR 3	S	5370	5423	TSLP	5380 5386 5390 5405 5410 5422	C771
38N 78W 10	25	FENIX & SCISSON	85-AX-10	S	2993	3050	WLCK	3003 3004 3006 3011 3030 3035	A934
38N 78W 10	25	FENIX & SCISSON	86-MX-10	S	3695	3746	MDDY	3705 3708	C801
38N 78W 26	25	FENIX & SCISSON	51-DX-26	S	5038	5082	DKOT	5063 5071	A939

WYOMING-NW

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38N 91W 9	13	MICH-WISC PL CO	1-9 LYSITE	S	8163 8604 8722 11901 12106 12196	8221 8636 8797 11951 12154 12226	FRUN FRUN FRUN LNCE LNCE LNCE	BELOW	C233
THIN SECTIONS									
	8174	8776	11927.5		12128.2	12149			
	8606	8778	11933.5		12135.8	12199.2			
	8612	8790	12107.4		12140.2	12204.2			
	8619	11919.2	12112		12143.8	12216.5			
38N 91W 12	13	MICH-WISC PL CO	1-12 LYSITE	S	12801 13366	12848 13408	LNCE MTTS	12802.8 12804.2 12812 13367 13390 13396.5 13399.5 13404.5	C234
39N 60W 30	27	TENNECO OIL	1 USA M D PEARSON	S	3271	3323	LEO	3302 3306 3309	B724
39N 69W 30	9	INEXCO OIL CO	2 STEINLE RANCH UNIT	S	10585	10645	MDDY	10595 10605 10612 10627 10645	A379

WYOMING-NW

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39N 69W 35	9	INEXCO OIL CO	1 USA 38 PRE	S	5833	5868	TCKL	5835.5 5853.8 5858.5 5863.2 5866.8	B640
39N 73W 7	9	WOODS PET CORP	7-1 DILTS COMPANY GOVERNMENT	S	11755 12297	11814 12357	CRL FRNR	12310 12313 12319	B136
39N 73W 15	9	CHAMPLIN PET	4 MANNING UNIT	S	8446	8470	PRKM	8446 8449.5 8452.5 8454.5 8457 8459 8461.5 8463 8466 8470	A282
39N 73W 20	9	CHAMPLIN PET	3 MANNING UNIT	S	8520	8598	PRKM	8520 8531.5 8533 8542.7 8551.9 8553.5 8560.5 8574.7 8597	A275



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39N 73W 21	9	CHAMPLIN PET	2 MANNING UNIT	S	8473	8593	PRKM	8474.5 8489 8491 8507.5 8512.5 8529.5 8547.5 8573 8592.5	A276
39N 73W 22	9	CHAMPLIN PET	5 MANNING UNIT	S	8504	8555	PRKM	8506 8512 8514.5 8516 8519 8522 8525.5 8529 8531.5 8533.5	A280
39N 78W 28	25	FENIX & SCISSON	85-AX-28	S	2909	2967	WLCK	2913 2915 2920 2929 2933 2948 2960	A940
39N 78W 29	25	FENIX & SCISSON	77-DX-29	S	3003 3243 3900	3050 3302 3925	WLCK WLCK DKOT	3248 3249	A936

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40N 72W 29	9	WOODS PET CORP	4 BETTY UNIT	S	12258	12312	DKOT	12297.8 12301 12303.8	C457
40N 74W 2	9	GENERAL AM OIL	1-2 VIRG FEDERAL	S	12808	12845	DKOT	12816.5 12826.5 12827 12827.5 12829.9 12830 12830.7 12832.5(2) 12833.2	12835 12835.8 12838 12841.5 12842 12843.5(2)
40N 74W 11	9	HOME PET	1-11 SNP MOORE FLYNN	S	12720	12776	DKOT	12735.9 12736.3 12736.4 12738.6 12739.5 12740 12741.6 12743.5 12751.3	C428    12754.8 12755 12760.8 12772 12772.4
40N 78W 4	25	SINCLAIR OIL & GAS	3 GOVERNMENT C	S	7500 7591	7563 7619	TSLP TSLP	7505-06 7517-18 7523-24 7549-50 7553-54 7592-93 7594-95	S516

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40N 78W 9	25	SINCLAIR OIL & GAS	A-10 GOVERNMENT	S	7468 7519 7559 7639 7689 7704	7500 7551 7623 7681 7695 7715	TSLP TSLP TSLP TSLP TSLP TSLP	7474 7526 7577 7619 7649 7690	S517
40N 79W 23	25	PAN AM	22WC1	S	985 1001	998 1102	WLCK WLCK	1007 1026 1042 1062 1065 1068	A362
41N 66W 8	45	DAVIS OIL CO	1 GREGG FEDERAL	S	7488 7511	7511 7539	MDDY SKCK	7493 7502 7516 7528	C811
41N 66W 34	27	TESORO PET	1 FEDERAL	S	7636	7685	DKOT	7646.4 7648 7648.8 7655.3 7663.7 7666.1 7669.2 7672.4	B047
41N 67W 13	45	TENNECO OIL	1 SEARS USA	S	7750	7779	MDDY	7755 7761 7768 7778	B424

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41N 67W 13	45	TENNECO OIL	4-A HELLWIG	S	7760	7796	MDDY	7767 7774 7779 7783	B377
41N 67W 23	45	TENNECO OIL	1 USA HELLWIG	S	8058 10103	8078 10146	NCSL MNLS	10108 10113 10116 10117.5 10122.5 10123 10127.5 10128 10128.5	B723   10131 10134 10138 10138.5 10145 10146
41N 68W 36	9	DAVIS OIL CO	1 FROG CREEK STATE	S	8644	8672	MDDY	8651 8654 8658.7	A647
41N 71W 31	9	DAVIS OIL CO	1 OLLIE KANE	S	11357 11412 11429	11412 11429 11439	DKOT FUSN LKOT	BELOW	C297
THIN SECTIONS									
	11357.5 11359(2) 11361 11366 11368 11368.5	11375 11379 11379.1 11379.9 11381	11382 11385 11386 11388 11396		11397(2) 11402 11406 11416 11429	11431 11433 11435 11436 11438			

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41N 73W 34	9	HOME PET	1-34 KERR MCGEE POTTER FEDERAL	S	12296	12390	DKOT	12300.95 12301.4 12301.5 12308.3 12330.5 12330.9 12331.1 12331.3 12375.1 12387.7	R253
41N 74W 14	5	WOODS PET CORP	14-1 MOORE MINERAL TRUST	S	12846	12880	DKOT	12854 12859	C299
41N 74W 26	9	HOME PET	1-26 POWELL USA	S	12932	12975	DKOT	12936.7 12938.4 12941 12948 12970.6 12971.1 12971.4	C242
41N 74W 26	5	HOME PET	2-26 N POWELL USA	S	12969	13007	DKOT	12977.9 12984.4 12985 12985.7 12995.5 12997 12999.8 13004 13004.9 13007	C429

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41N 77W 3	19	DEPCO INC	1 PUGSLY HILL UNIT	S	12549	12577	FRNR	12561 12563 12567 12577	B172
41N 77W 11	19	ENERGY RESERVE GROUP	1-A SHOONER CANYON UNIT	S	12480	12540	FRNR	12490 12492 12503 12505 12508 12517 12520 12539 12542	C270
41N 77W 19	19	ALMINEX	19-1 FEDERAL WALKER	S	6365 6805 7712	6434 6855 7768	FRNR FRNR LKOT	6805 6807 6809 6828 6830	A837
41N 78W 13	19	CONTINENTAL OIL	194 MEADOW CREEK UNIT	S	9137	9197	TSLP	9129 9142 9153 9176	A605
42N 70W 23	5	CHAMPLIN PET	2 KLIMOSKI FEDERAL	S	7250	7312	SSSX	7257.5 7262.5 7280	A789

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42N 71W 33	5	RESOURCES INVESTMENT	2-33 QUILLBACK FEDERAL	S	9624	9672	TRNR	9636 9638 9640 9645 9656 9660	C366
42N 73W 19	5	APACHE CORP	19-15 MOORE	S	12406 12406 12406	12465 12465 12465	FUSN DKOT LKOT	12416 12420 12427	B999
42N 73W 27	5	APACHE CORP	27-6 TURNER	S	12032 12058 12065	12051 12064 12098	DKOT DKOT DKOT	BELOW	C482
THIN SECTIONS									
	12032	12057	12066		12076.5		12087.5		
	12038	12057.5	12067		12077		12088		
	12043	12061	12068.5		12079(2)		12092		
	12048	12062	12074		12084.9		12096.5		
	12053	12063	12075						
42N 73W 30	5	APACHE CORP	30-10 NEELEY	S	12360	12432	DKOT	12364 12373 12388 12390 12391 12392 12393.5 12396	C819

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42N 73W 34	5	APACHE CORP	34-9 FEDERAL	S	12034	12096	DKOT	12037 12039 12041 12046 12050.5 12052.5 12054 12055 12056.5 12059 12064 12066 12072	C519
42N 78W 18	19	CONTINENTAL OIL	203 UNIT	S	9106	9235	TSLP	BELOW	A576
THIN SECTIONS									
9108-09			9134-35						
9109			9137-38					9206	
9116-17			9142-43					9209-10	
9118-19			9147-48					9211-12	
9121-22			9149					9217	
9124			9150-51					9220-21	
9126-27			9154					9223-24	
42N 79W 29	19	GENERAL CRUDE OIL CO	2 FEDERAL AQUITAIN	S	5324	5381	FRNR	5326.1 5327.5 5334.1 5334.8 5336.4 5338.1 5343.2 5344.5 5345	A949



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43N 71W 14	5	CHORNEY OIL CO	1 RENLAND	S	10270	10301	DKOT	BELOW	B155
			THIN SECTIONS						
	10271	10274	10276		10282.8	10288			
	10271.1	10274.6	10277.5		10283	10290			
	10272	10275	10278(2)		10284	10295			
	10273	10275.9	10280		10285				
43N 73W 14	5	SOUTHLAND ROYALTY CO	1-14 WRIGHT FEDERAL	S	11635 11664	11653 11715	DKOT DKOT	11675 11678 11693 11700 11705 11710	C613
43N 74W 12	5	SOUTHLAND ROYALTY CO	1-12 ALL NIGHT CREEK FEDERAL	S	7675	7692	PRKM	7685.5 7692	A831
43N 88W 20	43	ASHLAND OIL INC	1-20 CHABOT	S	3366	3386	TSLP	3367 3379.5 3382	B193
43N 93W 28	17	CORONADO OIL CO	C-2 FRISBY GOVERNMENT	S	685	951	TSLP	766 791 813 866 913 930	C568

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43N 93W 28	17	CORONADO OIL CO	C-3 FRISBY GOVERNMENT	S	943	1125	TSLP	953 1015 1063 1116	C524
43N 93W 29	17	CORONADO OIL CO	C-5 FRISBY GOVERNMENT	S	750	1031	TSLP	758 771 801 846 899 956 982	C521
43N 101W 21	29	ALTUS	21-1 FEDERAL	S	8842 8863 8886	8863 8885 8890	PSPR PSPR PSPR	8844 8853 8856 8858 8865 8867 8869 8875	C248
44N 71W 12	5	INEXCO OIL CO	11 MILLS	S	9650 9671	9669 9689	MWRY MDDY	9678	C820
44N 72W 11	5	LOUISIANA LAND & EXP	33-11 FEDERAL	F	11778 11783	11783 11817	OPCH MNLS	11801 11805 11809	S548
44N 72W 31	5	INEXCO OIL CO	NUCLEAR 1 BASOLO	S	7290	7350	PRKM	7301 7310.5 7312.5	A029

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44N 73W 31	5	LOUISIANA LAND & EXP	32-31 MARQUISS	S	7455	7556	PRKM	7461 7477.5 7495.5 7519.3 7549.3	C212
44N 73W 32	5	LOUISIANA LAND & EXP	14-32 MARQUISS	S	7469	7527	PRKM	7480.5 7489.5 7499 7512.3	C167
44N 75W 20	5	GETTY OIL	20-11 IONE	S	9673 9730	9727 9783	SSSX SNNN	9716 9722	B586
44N 79W 10	19	AMERADA PET	1 UNIT	S	12242	12262	MWRY	12555 12556 12262	A434
44N 93W 36	17	HUSKY OIL	16-36 STATE	S	4495	4558	PSPR	4576	C343
44N 96W 19	17	HUSKY OIL	3 OGLE	S	2848 3053	2901 3099	PSPR TSLP	2854 2870 2874 2881 2891 3069 3086	C406
44N 96W 19	17	HUSKY OIL	4 OGLE	S	2852 3068	2901 3165	PSPR TSLP	2858 2861 2865 2890 3071	C471

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44N 96W 30	17	HUSKY OIL	5 OGLE	S	2855	2891	PSPR	2851 2865 2877 2880 2881 2891	C347
45N 62W 32	45	AMERADA PET	1 DAVIS	S	2255 3258	2273 3270	FRNR MDDY	2257 2265 2270 3258.4	A417
45N 67W 7	45	UNION OIL	1-J7 FEDERAL WEINEHEL	S	7377	7410	MDDY	7395.5 7398.5 7387.3 7390.2 7399.5 7409.6	A019
45N 68W 12	45	UNION OIL	1-H12 COOK USA 402	S	7396	7407	MDDY	7396 7402.5 7404	A016
45N 71W 3	5	SUN OIL	1 KENWOOD FEDERAL	S	9492	9533	MDDY	9502 9517	Al62
45N 71W 11	5	INEXCO	3 EVANS EDWARD M	S	9295 9333 9393	9333 9393 9423	MWRY MDDY MDDY	9329 9333 9339 9341 9353 9369 9398	A557

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45N 71W 25	5	INEXCO OIL CO	6 MILLS	S	9420	9465	MWRY	9451	A558
45N 71W 36	5	INEXCO OIL CO	1 SIMMONS STATE	S	9494	9499	MDDY	9496	C832
45N 74W 13	5	SOUTHLAND ROYALTY CO	2 HOUSE CREEK FEDERAL	S	8175	8222	SSSX	8177 8185	A761
45N 79W 30	19	UNION OIL	1 FRYE	S	15006 15054 15072 15090	15051 15066 10577 15199	MNLS MNLS MNLS MNLS	BELOW	A445
THIN SECTIONS									
15007	15051	15097	15141	15165					
15016.5	15054	15098	15149	15167					
15023	15055	15104	15151	15173.5					
15033.5	15061.5	15108.5	15153	15176					
15037	15062	15120	15156	15176.5					
15041	15063.5	15121	15157	15181					
15042	15065	15126	15159.3	15184					
15044	15072	15132.5	15161	15187.5					
15045	15091	15134	15164	15192					
15049	15092	15138	15164.5	15194					

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45N 92W 14	43	ALTUS EXPL	14-1 ALTUS TUFFY FEDERAL	S	10652	10717	PSPR	10660 10667 10672 10673 10685 10694 10701 10703	B587
45N 92W 21	43	TENNECO OIL	2 NIEBER 11 UNIT	S	10145	10198	TSLP	10160 10178.5	A618
45N 92W 22	43	ALTUS EXPL	34-22 BLACKHAWK	S	10326	10382	TSLP	10327.5 10342 10346.5 10358 10365	B660
45N 99W 5	17	APACHE CORP	5-16 FEDERAL	S	7956	7996	PSPR	7959 7959.5 7961 7975 7980 7989 7993 7994	C540
45N 99W 5	17	DOME PET LTD	1-5 FEDERAL	S	7582 7802	7596 7808	PSPR PSPR	7588.5 7591 7805	B551

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46N 70W 17	5	YHS GROUP	2 WHEATLEY FEDERAL D	S	8710 8767	8767 8787	MDDY SKCK	8720 8738.6 8741	A153
46N 70W 20	5	YHS GROUP	3 WHEATLEY FEDERAL D	S	8747 8761	8761 8801	MWRY MDDY	8749 8761 8763.5 8764.5 8773 8794 8797	A154
46N 70W 21	5	INTL NUCLEAR	1 DEEVER A	S	10354	10391	MNLS	10357 10360	A094
46N 70W 27	5	INEXCO OIL CO	2 JOYCE GOVERNMENT	S	8690	8728	MDDY	8714 8716 8726	A139
46N 75W 14	5	DIAMOND SHAMROCK	42-14 CORNROCK FEDERAL	S	7437	7496	PRKM	7445.8 7459.2 7462.8	A744
46N 75W 16	5	CONTINENTAL OIL CO	16-1 CONOCO STATE	S	8296	8320	SSSX	8299 8301	A762
46N 91W 23	43	ALTUS EXPL	23-2 MARCONI ALTUS	S	9535	9603	PSPR	9553	B456

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46N 92W 2	43	TENNECO OIL	1 ROME FEDERAL	S	8559 10516	8592 10583	MDDY PSPR	8561 8579 8587 8590.5 10519 10529 10544 10568	B392
46N 92W 12	43	ALTUS EXPL	12-2 TRIGG GOVERNMENT	S	7832 7864 10489 10594 10548	7858 7891 10491 10543 10563	FRNR FRNR PSPR PSPR PSPR	7838 7850(2)	C064
46N 92W 12	43	ALTUS EXPL	2-5 ALTUS TRIGG GOVERNMENT	S	7850	7920	FRNR	7873 7880 7916	B299
46N 92W 12	43	COSEKA ENERGY	12-6 ALTUS	S	7860	7920	FRNR	7851 7856 7860 7890	C068
46N 92W 25	43	POLUMBUS CORP	25-1 TENNECO GOVERNMENT	S	10308	10350	PSPR	10323 10323.5 10331 10334	C341



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46N 94W 2	43	TIPPERARY O & G CORP	1-2 FEDERAL	S	12875 12980	12920 13039	PSPR PSPR	12878 12881 12894 12906 12911 12914 12915	B931
46N 94W 35	43	TEXACO INC	1 SHORT FINS GOVERNMENT	S	11595 11655	11652 11691	PSPR PSPR	11613 11644 11652 11657 11658 11659 11661 11664	S584
46N 95W 22	43	TENNECO OIL	1 WINCHESTER UNIT II	S	12778	13806	PSPR	13779.5 13782.7 13784.5 13789.5 13797.5 13799 13802.3 13804.9	B409
47N 67W 25	45	ARCO	2 DOWDY	S	7885	7966	MNLS	7914 7918.6	C495

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<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
47N 68W 8	45	WESTBURNE DRUG	1 DUNCAN FEDERAL	S	8625	8679	MNLS	8640 8649 8652 8654 8672	A798
47N 69W 8	5	MCOR	1-8 BISHOP	S	9060	9101	MNLS	9083.5(2) 9088.5 9101	C282
47N 69W 8	5	MCOR	3-8 BISHOP	S	9070 9103	9101 9133	OPCH MNLS	9124 9133	B981
47N 70W 6	5	DAVIS OIL CO	4 BOOS UNIT	S	10013	10068	MNLS	10014 10020 10025 10031 10035 10040 10052 10067	C204
47N 70W 7	5	DAVIS OIL CO	2 BOOS UNIT	S	10025 10040 10062	10033 10056 10093	MNLS MNLS MNLS	10054 10069.5 10071.5 10082.5	C190

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
47N 70W 27	5	US NATURAL GAS CORP	32-27 SUPERIOR-RAITT	S	9920 9991	9961 10032	MNLS MNLS	BELOW	A145
			THIN SECTIONS						
	9921	9938	9960		10003	10020			
	9922	9944	9960.5		10005	10023.5			
	9924	9949	9961		10012	10027.5			
	9925	9954	9993		10013.5	10030			
	9928	9957	10000		10017	10032			
	9936								
47N 71W 17	5	DUNCAN RT	34-17 HAYDEN	S	10538	10573	MNLS	10541 10549 10569 10571	A911
47N 75W 19	5	INTER AMERICAN PET	11-19 FEDERAL	S	8275	8334	SSSX	8308	A231
47N 75W 32	5	INTER AMERICAN PET	32-32 DAVIS	S	8362 8370	8367 8416	SSSX SSSX	8364.2 8396.5	A501
47N 76W 27	5	LOUISIANA LAND & EXP	34-27 IBERLIN	S	7602 7619	7619 7634	FRGS PRKM	7619 7623 7626 7631	C039
47N 76W 34	5	LOUISIANA LAND & EXP	12-34 IBERLIN	S	7543 7561	7555 7615	PRKM PRKM	7544 7545 7548 7556	S623

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
47N 80W 34	9	MICH-WISC PL CO	1-34 HAYNES	S	12484	12500	FRNR	12486.2 12486.6 12486.11 12489.5 12490.5 12491.1 12493 12493.3	A947  12492.2 12494.1 12495.11 12497.1 12498.1
47N 91W 18	43	ALTUS EXPL	18-3 GOVERNMENT	S	10635 10695	10690 10742	PSPR PSPR	10633 10668 10697 10702 10706	B151
47N 91W 29	43	TENNECO OIL	1 USA WULF	S	10385	10478	PSPR	10422 10438 10460 10467 10493	B720
47N 91W 35	43	BASS ENTERPRISES	35-2 COTTONWOOD CREEK FEDERAL	S	9710 9754	9733 9794	PSPR PSPR	9726 9728 9728.5 9758 9760 9764 9768 9770.5 9774 9775 9777.5 9778	D104

**WYOMING-NW**

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
47N 92W 23	43	ALTUS EXPL	23-4 HILAND ALTUS GOVERNMENT	S	10775	10852	PSPR	10777 10842 10846 10850	B457
47N 92W 26	43	ALTUS EXPL	26-2 BADLANDS	S	10860	10940	PSPR	10900 10903 10914 10921	B546
47N 92W 26	43	ALTUS EXPL	26-3 BADLANDS	S	10870	10954	PSPR	10910	B871
47N 93W 14	43	TENNECO OIL	1 CROOKED DRAW UNIT	S	12240 12284	12281 12310	PSPR PSPR	12242.6 12245.5 12248.2 22252.6 12259.6 12264.2 12271.8 12276.3 12280	B415  12283.5 12291.8 12293 12305.8 12310.3
47N 93W 27	43	HELMERICK & PAYNE	1-27 TENNECO FEDERAL	S	11669	11718	PSPR	11680 11683 11684 11686 11699 11705 11715 11717	A688

WYOMING-NW

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47N 94W 35	43	TIPPERARY O & G CORP	3-35 FEDERAL	S	12971	13078	PSPR	BELOW	B933
THIN SECTIONS									
	12971.6	12992.5	13013.8		13020.5	13034.7			
	12973.2	12994.7	13015.5		13026.5	13035.8			
	12977.7	13003.4	13017.1		13027.6	13049.2			
	12980.4	13005.8	13019.5		13028.5	13056.5			
	12982.4	13010.8							
47N 100W 12	29	PAN AMERICAN PET	68 UNIT	S	4545 4557 4611 4729	4551 4606 4726 4784	TSLP TSLP TSLP TSLP	4549 4576 4619 4680 4732 4759	A808
47N 100W 12	29	PAN AMERICAN PET	79 UNIT	S	4633	4934	TSLP	4649 4651 4664 4685 4773.5 4797 4817.5 4847 4859 4887.5	B028

WYOMING-NW

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47N 100W 22	29	MOBIL OIL CORP	T 23-22 GOVERNMENT	S	6027 6260	6070 6310	PSPR TSILP	6029 6034.7 6037.1 6045.5 6054.8 6055.2 6056.3 6058.4	B021
47N 100W 33	29	MOBIL	A-5X-33G	S	6119	6283	TSILP	6136 6179 6216 6235 6251 6259	C467
47N 101W 15	29	CONOCO	4 MAY	S	3458 3644	3620 3654	TSILP TSILP	3483 3500 3570 3581 3651	A893
48N 67W 3	45	KISSINGER PET	1-3 HUSKY KIMSEY	S	6681	6741	MNLS	6708 6714 6719 6728.5	A707
48N 68W 3	45	MOBIL OIL CORP	F-21-3-P KRAUSE	S	6400 6500	6428 6535	DKOT DKOT	6406 6416 6426 6513 6524	B210

WYOMING-NW

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48N 68W 26	45	TENNECO OIL	5 MOHAWK FEDERAL B	S	6680 6755	6722 6798	FLRV FLRV	6706 6765 6793	B411
48N 68W 26	45	TENNECO OIL	6 MOHAWK FEDERAL B	S	6812	6856	DKOT	6838 6847	B414
48N 69W 2	5	MOBIL OIL CORP	F 12-2-P KRAUSE	S	8340	8412	MNLS	8340 8347.5 8352 8361.5 8388 8411.5	B479
48N 69W 11	5	MOBIL OIL CORP	F-12-11-P KRAUSE	S	8366	8411	MNLS	8367 8377 8386 8393.5	B480
48N 70W 36	5	POLUMBUS CORP	36-2 STATE	S	9234	9334	MNLS	9302 9320.5 9321.5 9332	C923



**WYOMING-NW**

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48N 71W 5	5	MONCRIEF WA	4 JF ROURKE	S	10239 10263	10260 10287	MNLS MNLS	BELOW	A457
			THIN SECTIONS						
	10240-41	10258	10265		10271-72	10276-77			
	10245-46	10259-60	10267-68		10272-73	10278-79			
	10247-48	10263-64	10270-71		10273-74	10284-85			
	10249-50	10264-65	10271		10275-76	10285-86			
	10252								
48N 72W 6	5	MIDWEST OIL	10 APPEL DOUD 6	S	10895	10954	MNLS	10899.5 10905 10928 10931	C364
48N 72W 10	5	ARCO	1 WILMA GRUENFELDER	S	10621 10666 10709	10634 10700 10744	MNLS MNLS MNLS	10634 10690	B527
48N 74W 2	5	SOUTHLAND ROYALTY CO	1 OLIVE WHITE	S	7533	7551	SSSX	7536 7546.8	A481
48N 75W 9	5	EMC ENERGIES INC	18 CABALLO UNIT	S	6810	6835	FRGS	6810.2 6814.5 6814.8 6830.6	A702
48N 75W 16	5	EMC ENERGIES INC	19 UNIT	S	6840	6877	FRGS	6874	A490
48N 76W 2	5	SUN OIL	1 EL GARRET	S	7041	7101	FRGS	7047 7072	A405

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48N 76W 15	5	SUN OIL	1 CT MORGAN	S	7160	7247	FRGS	7173 7191 7200 7201 7245	B235
48N 79W 26	19	WOODS PET CORP	1 RED UNIT	S	9029	9089	SSSX	9039 9051 9060	A738
48N 82W 22	19	MOBIL OIL CORP	F 13-22-P CAMPBELL	S	7326	7481	GSEG	7446 7455 7481	A386
48N 91W 14	43	YATES PET	1 GOVERNMENT	S	5472 5546	5525 5587	TSLP TSLP	5480 5491.5 5497.5 5503 5551 5571.5 5583	A598
48N 91W 18	43	ALTUS EXPL	18-2 MARSHALL	S	9565 9589	9586 9630	PSPR PSPR	9580 9604 9605 9623	B583
48N 91W 19	43	BASS ENTERPRISES	19-1 MARSHALL FEDERAL	S	9747	9807	PSPR	9773 9777	D169
48N 92W 21	43	UNION OIL	48 T-L21 UNIT	S	6480 10265	6498 10325	CODY TSLP	10278 10296 10307	A021

WYOMING-NW

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48N 92W 28	43	UNION OIL	46 M-F-28 UNIT	S	10170	10282	TSLP	10175.5 10194.5 10217 10236.5 10280	A013
48N 92W 33	43	UNION OIL	50T-A33 UNIT	S	10454	10501	TSLP	10494	C253
48N 92W 35	43	ALTUS EXPL	35-1 GOVERNMENT	S	10900	11016	PSPR	10987 10990 10991	B120
48N 93W 24	43	BASS ENTERPRISES	24-1 TEN MILE	S	11222 11546 11584 11599	11265 11581 11597 11612	PSPR PSPR PSPR TSLP	11591 11607	D166
48N 99W 5	29	TEXAS AMERICAN OIL	5-2 TAO HUSKY FEDERAL	S	9124	9149	MDDY	9125 9128.5 9129.5 9131.5 9132.75 9134 9135.25 9136 9137.5	S695   9140.5 9144 9145 9145.5 9146.5 9148
48N 102W 11	29	HUSKY OIL	86 PITCHFORK	S	3850 3897 3956	3896 3955 4007	TSLP TSLP TSLP	3888 3916 3973 4000	C478

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48N 102W 11	29	HUSKY OIL	87 PITCHFORK	S	3984 4028 4140 4200 4260 4323 4358	4024 4074 4197 4257 4309 4357 4374	PSPR PSPR TSLP TSLP TSLP TSLP TSLP	BELOW	C477
THIN SECTIONS									
	3986(2) 4004 4010 4011 4015	4028 4029 4038 4046 4055	4057 4062 4065 4068 4070		4145 4192 4201 4229	4242 4256 4308 4345			
48N 102W 14	29	HUSKY OIL	82 PITCHFORK	S	3675 3875	3751 4127	PSPR TSLP	3704 3719 3732 3735 3738.5 3741 3748 3906 3947 4099	C468
49N 68W 33	11	MOBIL OIL CORP	F-32-33-P KRAUSE	S	6460 6497	6497 6525	DKOT FUSN	6473 6484 6499	B211

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49N 68W 35	11	TRUE OIL	A-14 WATT	S	6500 6530 6545 6554	6522 6534 6547 6566	DKOT DKOT DKOT DKOT	6507 6519 6535	A560
49N 69W 25	5	TRUE OIL	1 RUSSEL	S	8027	8087	MNLS	8028 8034 8036 8070 8077 8086	B500
49N 69W 34	5	MOBIL OIL CORP	F-41-34 STATE	S	8372	8440	MNLS	8378 8400 8430	B498
49N 70W 1	5	OSBORN HEIRS CO	B-3 THOLSON RANCH	S	8737	8766	MNLS	8746	B700
49N 70W 8	5	SINCLAIR O&G	1-311 FEDERAL CAMPBELL	S	7529 9119 9208	7548 9205 9311	MDDY MNLS MNLS	BELOW	B976
THIN SECTIONS									
7534	9150	9208	9254	9288					
7537	9152	9214	9258	9293					
7546	9180	9221	9266	9294					
7549	9183	9238	9272	9297					
9132-33	9192	9242	9276	9301					
9134-35	9197	9248	9283	9310					
9139-40	9202								

WYOMING-NW

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49N 70W 14	5	PRENALTA CORP	14-1 GOVERNMENT	S	9053	9096	MNLS	9055 9057 9062 9075 9078 9084 9086 9088 9089 9091	B510
49N 71W 12	5	MOBIL OIL CORP	F-11-12-P SMITH	S	9475 9539	9508 9553	MNLS MNLS	9476 9477 9479 9482 9488 9500 9541 9549	A451
49N 73W 16	5	MIDWEST OIL	1 WYOMING STATE	S	9500	9576	MDDY	9528 9533 9545 9557 9561 9562	A050
49N 74W 1	5	UNION OIL	2-H-1 ORDA FORCE	S	9749	9783	MDDY	9763 9771.8 9774	A003

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49N 74W 9	5	SINCLAIR O&G	1-474 MAN DEL FEDERAL	S	11662	11699	MNLS	11672-73 11673-74 11680 11682 11690 11692-93	A116
49N 74W 10	5	UNION OIL	1-10 P GLEN LOWERY	S	9788	9865	MDDY	BELOW	A012
THIN SECTIONS									
	9788	9798.4	9825.5		9836.8	9852.8			
	9790.5	9799	9825.7		9840	9855			
	9793	9801	9828.5		9842	9857.5			
	9794	9822.5	9830.8		9842.8	9857.5			
	9797	9823.7	9831.3		9843	9861.8			
49N 74W 12	5	ANSCHUTZ CORP	2 BARLOW A	S	9635	9669	MDDY	9642 9648 9657 9664 9669	A059
49N 74W 21	5	HAMILTON BROS OIL CO	21-1 FEDERAL	S	10221	10277	MDDY	10221 10230 10234 10266	A358

**WYOMING-NW**

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49N 75W 29	5	CALIFORNIA OIL CO	5 GOVERNMENT DAVIS	S	10389 10706 12053	10438 10714 12186	MDDY LKOT TSLP	10390(3) 10428.8 10432.9 10436 10417.5 10708 10709	A124
49N 76W 12	5	FARMERS UNION	42X-12 UNIT	S	6901	6935	FRGS	6904 6911(2)	A752
49N 90W 13	3	COASTAL O&G CORP	2 MASSEY DRAW	S	1983	2027	TSLP	1997 2010 2019	R990
49N 90W 26	3	COASTAL O&G CORP	1-26 MASSEY DRAW	S	2262	2321	TSLP	2262 2296 2303 2321	R930
49N 99W 16	29	TEXAS AMERICAN OIL	16-1 MEETEETSE	S	8040 8097 8324	8043 8100 8476	FRNR FRNR FRNR	8040-43(2) 8097-8100(2) 8327 8343.5(2) 8380(2) 8381 8387 8435(2) 8445.5(2)	B904



WYOMING-NW

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49N 99W 17	29	TEXAS AMERICAN	17-1 FEDERAL	S	8951	8992	MDDY	8954 8955 8955.5 8956.7 8962 8966 8967.8 8971.8	B862  8980 8982 8982.7 8985 8986
50N 67W 32	11	PAN AMERICAN PET	2 LH ROBINSON	S	6089	6183	OPCH	6122 6128 6136 6152 6165 6180	S699
50N 69W 4	5	CONSOLIDATED O&G INC	1 RABOURN ETAL	S	6443 8123	6495 8150	MDDY MNLS	6466 6470 6476 6482 6490	A127
50N 69W 4	5	CONSOLIDATED O&G INC	2 STEWART	C	6381 8048	6406 8136	MDDY MNLS	6383.5 6385 6386.9 6389.8 6393.3 6394	A142

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50N 70W 31	5	DAVIS OIL CO	2 SUPO FEDERAL	F	9298	9371	MNLS	BELOW	S707
			THIN SECTIONS						
	9298.9	9309	9321.2		9330	9367.8			
	9302	9312.3	9325		9356.5	9368			
	9302.4	9315.4	9327		9358	9369.5			
	9304.5	9316	9328.2		9362.2	9371			
	9308.8	9318							
50N 72W 3	5	SAMEDAN OIL	1 CAPLAN	S	9761	9786	MNLS	9761-62 9761.3 9762.3 9763.8 9766 9772 9779.1 9781	B649        9781-80 9782-81 9784-83 9784.3 9786
50N 72W 15	5	DAVIS OIL CO	1 HICKS PRATT	S	8134	8174	MDDY	8154	A107
50N 72W 22	5	PATRICK PET CO	1 NORTH GILLETTE	S	8340	8392	MDDY	8352 8362	B800
50N 73W 6	5	OZARK CORP	1 SIMPSON	S	9175	9230	MDDY	9178 9187.5 9212	B039

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50N 73W 18	5	CHEVRON OIL	2 FRED L BARLOW	S	9250	9310	MDDY	9258 9263 9270 9271 9274 9278 9283 9286 9288 9293	A148
50N 73W 18	5	CHEVRON OIL	3 FRED L BARLOW	S	9285 9295	9295 9363	MWRY MDDY	9343 9345 9347 9348	A039
50N 74W 8	5	GREAT WESTERN DRIG	1 JOHN T THORNE	S	9445	9459	MDDY	9445 9448 9450 9452 9453	A500
50N 74W 12	5	CHEVRON OIL	1 FRED L BARLOW	S	9387	9436	MDDY	9396 9396.5 9402 9403	A100
50N 74W 21	5	CALLOWAY WILLIAM O	1 GLENN LOWERY	S	9435	9505	MDDY	9476 9482 9485 9487 9490	A038

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50N 74W 24	5	CHEVRON OIL	1-41-24 FEDERAL	S	9410	9477	MDDY	9426 9448 9451 9454 9456 9457 9465	A179
50N 74W 24	5	CHEVRON OIL	3-34-24 FEDERAL	S	9470	9518	MDDY	9474(2) 9489 9497 9503.5	A099
50N 75W 13	5	DAVIS OIL CO	1 SMELTENN STATE	S	9860	9895	MDDY	9860 9862 9862.5 9865 9868 9871(2) 9872 9873 9874	B161
50N 76W 9	5	DIAMOND SHAMROCK	44-9 FEDERAL	S	6964	6988	TPOT	6973 6979 6982 6985	A992
50N 77W 2	19	SUN OIL	1 R MEANS FEDERAL	S	6930	6956	FRGS	6938 6945 6955	A482

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50N 90W 19	3	COASTAL O&G CORP	1-19 MCDERMOTT'S GULCH	S	2958	3018	TSLP	2963 2967 2976 2997 3001 3016	R330
50N 91W 13	3	COASTAL O&G CORP	2 MCDERMOTT	S	3247	3283	TSLP	3273 3283	R641
50N 93W 23	3	TENNECO OIL	1 TENSLEEP CATTLE CO	S	9291 9322 9338	9314 9330 9346	PSPR PSPR PSPR	9314	B280
50N 99W 19	29	ANSCHUTZ CORP	5-19 MOBIL FEDERAL	S	5538 6583	5562 6619	FRNR MDDY	6583.75 6592.5 6603 6608 6617	D087
50N 100W 10	29	MARATHON OIL CO	1 MARATHON GOVERNMENT FEDERAL	F	4414 4604 4626	4474 4626 4666	PSPR PSPR PSPR	BELOW	S716
THIN SECTIONS									
	4430	4452.5	4463	4474	4635.5				
	4434	4454.5	4463.5	4474.5	4639.5				
	4441(2)	4455	4465.5	4618.5	4645.6				
	4447(2)	4457.5	4467	4634.5	4656				
	4449	4459.7	4473(2)						

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
51N 68W 12	11	DAVIS OIL CO	1 MEYER	F	6097	6146	MNLS	6129	S722
51N 69W 29	5	DAVIS OIL CO	1 HEPTNER CATTERSON	F	8035	8083	MNLS	8047 8049 8051 8062	S731
51N 69W 29	5	DAVIS OIL CO	2 HEPTNER	S	7969 8010 8030	8001 8028 8057	MNLS MNLS MNLS	7972 7995 8018 8031 8046	C137
51N 71W 25	5	PAN AMERICAN PET	1 HA TANNER	S	9113	9144	MNLS	9116 9122 9141	A065
51N 71W 25	5	PAN AMERICAN PET	2 HA TANNER	S	7473	7516	MDDY	7475 7484 7495 7504 7506 7510	A068
51N 71W 27	5	PAN AMERICAN PET	1 SPRINGEN	S	9196	9225	MNLS	9197 9203 9220	A066

WYOMING-NW

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51N 73W 17	5	CONSOLIDATED O&G INC	17-1 DALY	S	8790	8835	MDDY	8792 8816 8819 8820 8823 8829	A177
51N 73W 28	5	CONSOLIDATED O&G INC	28-1 GOVERNMENT	S	8825	8884	MDDY	8839 8847 8850 8853.5 8859 8869 8883 8884	A188
51N 73W 29	5	PUBCO PET	29-6 FEDERAL	S	8920	8975	MDDY	8922 8930.5 8941 8948 8949 8949.5 8954 8957 8969	A049

WYOMING-NW

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51N 74W 33	5	RED FEATHER PET	1-33 FEDERAL	S	9577	9624	MDDY	9610 9614 9616.5 9617 9618 9619 9623 9623.5	A096
51N 93W 22	3	VIKING EXPL INC	44-22 KNIGHTON	S	4310	4339	PSPR	4312 4315 4326 4331 4336.5 4338.5	A357
51N 101W 6	29	CORONADO OIL CO	C-1 LETHA BROWN GOVERNMENT	S	409 548	493 738	PSPR TSLP	BELOW	B603
	409(2) 414(2) 420 421 423 426.5 429	434 444 447 449 450.5 455 456	458(2) 460 461 462.5 470.5 473.5 477		478(2) 481 482.2 486 486.5 487	548 554 589 636 673 725			
			THIN SECTIONS						



WYOMING-NW

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51N 101W 6	29	CORONADO OIL CO	C-4 LETHA BROWN GOVERNMENT	S	802 936	877 1003	PSPR TSLP	BELOW	B602
			THIN SECTIONS						
	803	821(2)	836.5		848	863			
	807.5	824.5	842.5		849.5	867			
	810.5	825	844.5		851.5	869			
	812	828.5	845.5		854.5	870			
	813	833.5	847.5		860	871.5			
	820								
51N 101W 34	29	NORTH CENTRAL OIL	1-34 FEDERAL	S	7363	7424	PSPR	7366 7388 7389 7412 7415 7422	B545
51N 102W 35	29	APACHE CORP	35-1 STATE	S	6018 6170	6058 6201	PSPR TSLP	6036.5(2) 6041.5(2) 6057(2) 6188 6196	C557
52N 66W 32	11	GALLAGHER VICTOR R	1-A CRANSTON	S	1637	1647	MNLS	1641.8 1642.9 1643.7 1646.2	A783

WYOMING-NW

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52N 68W 4	11	DAVIS OIL CO	1 FEDERAL FLAGG BUTTE	S	7197 7237	7233 7245	MNLS MNLS	7203.5 7213.5 7220.5 7230.5	B005
52N 68W 9	11	DAVIS OIL CO	1 SCHWINN FEDERAL	S	7248	7296	MNLS	7249 7264 7282 7294	B913
52N 68W 9	11	DAVIS OIL CO	2 WM FEDERAL	S	7232	7342	MNLS	BELOW	B914
THIN SECTIONS									
	7236	7264	7282		7307	7326			
	7246	7267	7287		7308	7327			
	7248	7268	7288		7309	7330			
	7250	7269	7291		7310	7332			
	7251	7272	7294		7314	7333.5			
	7254.5	7274	7296		7317	7336			
	7257	7276	7298		7321	7337			
	7260	7277	7300		7324.5	7341.5			
	7263	7280	7306.75						
52N 68W 29	11	STUARCO OIL	1 GOVERNMENT	S	5878	5919	DKOT	5880 5891 5903	A766
52N 69W 21	5	ARROWHEAD EXPL	1 GOVERNMENT ARROWHEAD	F	7547	7595	MNLS	7550 7556 7569	S748

WYOMING-NW

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52N 70W 2	5	DAVIS OIL CO	4 CARSON HAMM	S	7554	7600	MNLS	7563 7583.5 7592.5	C365
52N 70W 12	5	DAVIS OIL CO	1 KIRKPATRICK	S	7573 7589 7612	7589 7600 7614	MNLS MNLS MNLS	7574 7579.5 7585 7591	D060
52N 70W 27	5	DAVIS OIL CO	1 JOSEPHINE	S	8094	8136	MNLS	8121 8123 8127	A165
52N 71W 5	5	HART-CARBONIT	1-5 BAUMGARTNER FEDERAL	S	8504 8564	8564 8615	OPCH MNLS	BELOW	B766
THIN SECTIONS									
8515-16		8564-64.5	8572-73	8584		8602-03			
8517-18		8565	8573-74	8585-86		8604-05			
8519		8565-65.5	8575	8588-89		8606			
8540		8567-67.5	8575-76	8592-93		8607-08			
8555		8568.5-69	8576-77	8595		8611-12			
8556		8569	8580-81	8597-98		8613-14			
8558		8569.5-70	8581(2)	8598		8615			
8560		8571	8583-84	8601-02					
52N 71W 9	5	GETTY OIL	9-5 MOYER SPRINGS	S	8750 8774	8774 8806	OPCH MNLS	8776.7 8779.2 8780.8 8789	C179

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52N 72W 24	5	TEXAS PACIFIC OIL CO	76-47 1 STATE	S	7154 8770	7215 8900	MDDY MNKT	BELOW	B070
			THIN SECTIONS						
	7164	7180.5	8843.3		8865.9	8885.4			
	7166	8794.6	8849.3		8870.4	8886.5			
	7167	8830.2	8854.8		8874.6	8891.4			
	7173	8833.8	8860.9		8877.4	8894.6			
	7176	8836.6	8863.4		8878.1	8898.5			
52N 73W 27	5	PUBCO PET	27-6 FEDERAL	S	8435	8495	MDDY	8438 8439.5 8448.4 8463 8465.5	A161
52N 75W 2	5	DOUGLAS & GAUNT	1 CHORNEY GOVERNMENT	S	8900	8949	MDDY	8928 8928.2 8928.5 8933.8 8935	A120
52N 75W 30	5	DAVIS OIL CO	1 FEDERAL SAC	S	9419	9454	MDDY	9419 9421(2) 9421.5 9423 9424 9426.5 9427 9431 9432	B207

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52N 76W 22	5	HAWKS OIL CO	1-22 GOVERNMENT	S	9745	9779	MDDY	9751 9754 9757 9772	A158
52N 77W 29	19	DAVIS OIL CO	1 MCBULL	F	6073	6134	TPOT	6076.8 6082.9 6105.8 6113.8	S758
52N 81W 11	19	MARATHON OIL CO	1-11 UCROSS STATE	S	8236	8270	SSSX	8238.2	A844
52N 93W 3	3	TRUE OIL	4 MEDICINE WHEEL	S	2698 2732	2710 2807	PSPR PSPR	2699 2707.5 2708 2724 2735.5 2751 2757 2759 2767 2771 2775 2777 2783 2792 2793 2798 2802 2805.5	A398
52N 100W 20	29	GENERAL AM OIL TX	1-20 FEDERAL	S	4163	4190	PSPR	4166.5 4172.5 4174 4176.5 4178	B946

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52N 101W 31	29	CORONADO OIL CO	C-3 GAINS GOVERNMENT	S	316 428 454 645	376 454 645 670	PSPR PSPR TSLP AMSD	354 360 362	B962
53N 68W 11	11	DAVIS OIL CO	2 WOODS FEDERAL	S	6715	6766	MNLS	6735.5 6761 6763.5 6765	A769
53N 69W 7	5	TRUE OIL	31-7 LORRECHEA	S	7279	7364	MNLS	BELOW	A061
THIN SECTIONS									
7280-81		7306	7323-24		7332.5			7350.5	
7285-86		7310	7324		7334			7351.5	
7286		7310-11	7325-26		7334'9"			7357	
7286-87		7312.2	7326.5		7335			7358.5	
7288-89		7313	7327		7337-38			7359	
7290-91		7316	7327-28		7338			7360.5	
7293.5		7316-17	7328-29		7339-40			7362	
7295-96		7317.5	7330-31		7342-43			7362'10"	
7300-01		7318	7331		7346			7363	
7303		7322	7332-33		7349.5			7364	
7303-04									

WYOMING-NW

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53N 69W 36	5	RESOURCES INVESTMENT	2-36 M D NORTHWEST	S	7327 7355	7355 7363	OPCH MNLS	7352.5 7354'2" 7354'4" 7354'7" 7354'10" 7355 7355.5 7359 7359.5 7361	B986
53N 70W 3	5	AMES O&G	1 HARRIS	F	7462	7498	MNLS	7469 7480 7486	S773
53N 70W 3	5	AMES O&G	1 SIMPSON	F	7511	7571	MNLS	7513 7515-16 7527 7543 7558 7567	S772
53N 70W 24	5	PAN AMERICAN PET	1 MOHAWK MONTEREY GOVERNMENT	S	7430 7444	7436 7504	MNLS MNLS	BELOW	A660
			THIN SECTIONS						
	7430	7458	7473.5	7479	7490				
	7436	7462	7475	7481	7491				
	7447	7464	7475.5	7485	7495				
	7450	7467	7476.5	7489	7502				
	7453	7468	7478.5	7489'10"	7504				
	7454								

WYOMING-NW

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53N 70W 30	5	TRUE OIL	31-30 WOLFF	S	7802	7917	MNLS	7818 7874 7877 7884	B055
53N 71W 20	5	HART-CARBONIT	1-20 LARSON FEDERAL	S	8885 8932	8932 8968	MNLS MNLS	8908 8917 8922 8942 8951 8966	B753
53N 71W 36	5	AMERADA PET	1 G-STATE	S	6350 8041	6397 8080	MDDY MNLS	BELOW	Al47
THIN SECTIONS									
	6363.6	6395	8055.5		8068	8080.5			
	6371.2	8043	8057		8069(2)	8084			
	6378	8046	8063		8070	8085			
	6379.5	8050.5	8065.5		8074	8085.3			
	6387.5	8051	8067		8074.5				
53N 72W 26	5	OCCIDENTAL PET	1 WOOD	S	8985	9043	MNLS	8986 8996 8999 9000 9015 9020.5 9022 9024.7 9025	A655
								9026.5 9028 9032 9035 9037 9039.8	



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54N 69W 35	5	CONSOLIDATED O&G INC	4-35 GOVERNMENT	S	5501	5573	MDDY	5538.8 5543.5	A043
54N 70W 34	5	DAVIS OIL CO	2 HAWKINS FEDERAL	S	7394	7417	MNLS	7397.5 7402.5 7407	B488
54N 72W 30	5	STUARCO OIL	30-11 HARRINGTON FEDERAL	S	7405	7448	MDDY	7408	A194
54N 73W 24	5	FOREST OIL CORP	1-24-1 GOVERNMENT	S	7272	7403	MDDY	7303 7307 7316.5 7323.5 7362.2 7370.9 7380 7386.5 7390.1 7394	A137
54N 74W 27	5	MIDWEST OIL	1 SORENSEN	S	8142	8178	MDDY	8157 8170.5 8175 8178	A149
54N 92W 30	3	CARDINAL PET	1 MEDICINE WHEEL UNIT	S	2718	2778	PSPR	2747 2776	C332

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55N 70W 13	5	GALLAGHER VICTOR R	1 ZEE VEE CREEK	S	7038	7062	MNLS	7038 7042.3 7044.2 7047.6 7049.8 7052.8 7053.8 7057.3 7058.2 7061.3	A143
55N 73W 14	5	STUARCO OIL	68-32 GOVERNMENT	S	7139	7179	MDDY	7144 7155 7162 7163 7168.5 7175	A197
55N 73W 19	5	ANSCHUTZ CORP	1 OEDEKOVEN B	S	7670	7711	MDDY	7671.5 7675.5 7683.5 7695 7710	A055
55N 73W 30	5	ANSCHUTZ CORP	1-30-21 GOVERNMENT	S	7680	7714	MDDY	7694.5 7704 7711	A057
55N 75W 2	5	DAVIS OIL CO	1 FEDERAL BRADSHAW	S	7910	7960	MDDY	7925	A037

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55N 75W 3	5	TRUE OIL	24-3 TRUE SAMEDAN COONES	S	7979 8011 9555	8003 8041 9583	MDDY MDDY MNLS	BELOW	A173
			THIN SECTIONS						
	7988	8032	9560		9567		9575-76		
	7992	8036	9560-61		9568-69		9576		
	7996	8040	9560.1		9569		9577		
	8000	9516	9562		9570		9578-79		
	8003	9527.5	9562.6		9571		9578.5		
	8012	9555	9562.8		9572		9580		
	8016	9555.9	9563-64		9572-73		9580.4		
	8020	9557-58	9564		9573		9581		
	8024	9558	9564-65		9574		9581-82		
	8028	9559-60	9566-67		9575				
55N 75W 16	5	GOODSTEIN FRED	1 BRIDWELL STATE	S	7953	7982	MDDY	7954.8 7959.8 7962.3 7968.5 7976 7979.8	A028
55N 79W 3	33	MOBIL OIL CORP	F-11-3P ROBERTS	S	5819	5840	TPOT	5820.9	A383
55N 79W 9	33	PAN AMERICAN PET	1 ROBERTS C	S	9660	9709	MDDY	9675	A067

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55N 93W 23	3	TRUE OIL	5 MEDICINE WHEEL UNIT	S	1808	1865	PSPR	1810.5 1813.5 1814.5 1817 1820 1828 1847(2) 1848 1848.1 1849 1850 1856 1863	A387
55N 93W 26	3	TRUE OIL	3 MEDICINE WHEEL UNIT	S	1938	1974	PSPR	1855 1859 1864 1865 1868	A401
55N 95W 30	3	M & T INC	30-1 FEDERAL	S	7027 7160	7080 7209	PSPR TSLP	7164 7170 7186 7201 7202	B406
55N 95W 33	3	ELF AQUATAINE O&G	2 GOOSE EGG UNIT	S	2801	2856	PSPR	2820 2829 2846 2847	B118

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56N 69W 4	5	LOVE OIL	1 FEDERAL MCCULLOCH	S	3770	3825	MDDY	3775.5 3786 3786.8 3791.8 3797 3804 3807.2 3814 3816.5	A189
56N 72W 10	5	AMES O&G	1 FEDERAL	S	6676	6743	MDDY	6715 6723 6732 6735 6738	A092
56N 72W 10	5	HUBER J M CORP	10-1 FEDERAL GRACE	S	6643	6703	MDDY	6689 6691 6701	A027
56N 75W 34	5	DAVIS OIL CO	1 YARDLEY FEDERAL	S	7843	7865	MDDY	7843 7850 7854.5 7864	A032
56N 75W 35	5	ANSCHUTZ CORP	5 WERNER WILSON	S	7889	7948	MDDY	7891.1 7898.9 7906.4 7918.4 7922 7937.5 7938.6 7945.4	D112

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56N 80W 11	33	DAVIS OIL CO	2 AMPET FEDERAL	S	9691	9739	MDDY	9696.4 9699.1 9701.2 9702 9705.5 9710.4 9710.5 9717.7	A077  9720.5 9721.5 9726.6 9728.7 9729.8
56N 81W 1	33	FARMERS UNION	1 GOVERNMENT HOLBROOK	C	5552 5574 5868 5887 5907 5912 5925 6647 6749 6756 6779 6786 6805 6825	5552 5574 5869 5888 5908 5925 5986 6647 6750 6757 6780 6786 6805 6825	TPOT TPOT TPOT TPOT TPOT TPOT PRKM STEL SNNN SNNN SNNN SNNN SNNN	5552 5574	B747
56N 81W 23	33	CLEARY PET CORP	1-23 CANSO DUNCAN FEDERAL	S	9932	10031	MDDY	9985.9 9987.9 9991.9 9992 10008.4 10009.1 10021.4	A048

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56N 98W 19	29	ANADARKO PROD CO	1-A MCDONALD	S	8125	8164	PSPR	8132 8135 8141 8145	A278
56N 99W 7	29	KAROGEN CORP	3 TWO DOT	S	9588	9614	PSPR	9595 9603 9609 9609.5	A841
56N 99W 30	29	KAROGEN CORP	1-30 FEDERAL ANDERSON	S	10451	10475	PSPR	10453.2 10456.2 10458.8 10465.3 10466.2 10467.8 10469.5 10475	B096
56N 100W 12	29	KAROGEN CORP	1 TWO DOT	S	9610	9642	PSPR	9619 9631 9636 9636.5 9638	A657

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56N 100W 13	29	KAROGEN CORP	1-13 FEDERAL	S	9911	9943	PSPR	9911.2 9915.5 9917.5 9918.9 9921.3 9922.2 9923.1 9925.8 9932.1	B101
								9935 9936.3 9938.4 9941.1 9942.9	
57N 71W 36	5	CONOCO	1 STATE	S	5430 5460	5432 5519	MDDY MDDY	5481 5489.3 5494.7 5498.8	A297
57N 72W 3	5	PHILLIPS PET CO	1 HUNTER D	S	6290	6332	MDDY	6311 6372	A130
57N 72W 11	5	TEXAKOTA INC	1 FEDERAL	S	6057 6098	6098 6139	MWRY MDDY	6102.5 6103 6104.8 6106 6117 6119 6125.8 6128.3	A136
57N 72W 12	5	PAINE JOSEPH C TAYLOR	1 FEDERAL	S	6112	6165	MDDY	6125.5 6136.5 6139 6142.5 6148 6157.5	A157



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57N 73W 12	5	DAVIS OIL CO	5 STONE FEDERAL UNIT	S	6777	6822	MDDY	6786.5 6792 6808 6812 6822	A101
57N 73W 12	5	DAVIS OIL CO	6 FEDERAL UNIT STONE	S	6646	6696	MDDY	6683 6684 6693.3 6696	A102
57N 73W 17	5	DAVIS OIL CO	9 UNIT BOLES FEDERAL	S	8635	8672	MNLS	8637.3 8642-41 8642-43 8644-43 8646.2 8649-50 8652.4 8653-54 8670-69	A034
57N 74W 24	5	DAVIS OIL CO	3 UNIT RALPH FEDERAL	S	7019	7062	MDDY	7019 7027	A141
57N 74W 32	5	MOBIL OIL CORP	F-35-32 G GOVERNMENT MORRISON	S	7391 7451	7405 7561	MWRY MDDY	7479.2 7486.6 7513.8 7524.6 7528 7551.2 7557 7560.3	A441

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
57N 74W 32	5	PHILLIPS PET CO	1 GREENOUGH	S	7390	7530	MDDY	7439 7442 7452 7480 7490 7508 7509	A103
57N 74W 33	5	PHILLIPS PET CO	4 GREENOUGH A	S	9057	9106	MNLS	9083.6 9084 9088.6 9093-94 9100-01 9101.1 9102-03 9104-05 9106	A085
57N 75W 6	5	MIDWEST OIL	2 BOW & ARROW RANCH	S	7104	7191	MDDY	7114.2 7116.3 7147 7153 7156.2 7158.5 7168.8 7170.3	A052  7175 7176.2(2) 7176.9 7178.8
57N 75W 6	5	MIDWEST OIL	3 BOW & ARROW RANCH	S	7120	7151	MDDY	7120.6 7133.6 7140.7	A051

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
57N 75W 7	5	MIDWEST OIL	1 BOW & ARROW RANCH	S	7155	7192	MDDY	7164 7166 7171 7172 7174.6 7181 7185 7186.6	A134
57N 76W 4	5	GOODSTEIN FRED	57-4-1 GOODSTEIN GOVERNMENT	S	7710	7765	MDDY	7712.1 7717.2 7725.7 7728.3 7739.3 7744.4 7749.8 7750.2	A025 7753.3 7755.8 7760.2 7762 7764.1
57N 97W 21	3	BREHM C E	1 C L ZWEMER	S	4005	4125	TSLP	4008.5 4021.5 4044 4057 4067 4077 4101	A868

WYOMING-NW

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
57N 99W 5	29	PAN AMERICAN PET	217 EBET	S	5132 5329 5597 5702 5787 5907 5968	5321 5360 5657 5760 5845 5965 6014	TSLP TSLP MDSN MDSN MDSN MDSN MDSN	5135 5199 5224 5230.5 5247 5304 5312.5	B226
58N 70W 30	5	SINCLAIR O&G	1 PARKS FEDERAL	S	5020	5080	MDDY	5029.5 5041.5 5054.1 5057.5 5077.8	A117
58N 70W 35	5	ACKMAN EDWARD J	1 ATLANTIC GOVERNMENT	S	6490	6540	MNLS	6498 6504 6533	A712
58N 100W 34	29	NATOMAS NORTH AM INC	1-34 DOW FEDERAL	S	9040 9094 9147	9079 9124 9170	DNDY TSLP TSLP	9045.5 9095 9112 9167	B992
58N 100W 36	29	PAN AMERICAN PET	254 EBET UNIT	S	6925	7127	TSLP	6935 6953 6962 6976 6998 7017 7022	A825  7030 7046 7057.5 7076

WYOMING-SE

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>THIN SECTIONS</u>	<u>LIBRARY NUMBER</u>
1S 2E 34	13	GENERAL CRUDE OIL CO	2-34 HUDSON LL&E-TRIBAL	S	4981	5035	MDDY	4981(2) 4990.5(2) 4996.5(2) 5003.5(2) 5006(2) 5007(2) 5016(2) 5021(2) 5035(2)	B006