

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Catalog of North Dakota Cores Housed
at the USGS Core Repository,
Denver, Colorado

By

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Open-File Report 86-376

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

¹Denver, Colorado

1986

INTRODUCTION

This report, compiled in June, 1986, catalogs the three hundred and sixty-three cores from the state of North Dakota that are housed at the U.S. Geological Survey Core Library. This computer-generated list provides the location, county, operator, well name, type, minimum depth, maximum depth, formation, and library number of each core. All cores in this compilation are listed in order of township, range, and section.

The Library's computer system has the additional capability of generating custom print-outs that are sorted by formation, geologic age, geographic location, operator, or any combination of these parameters. Parties may request custom sorted print-outs by telephone during working hours, or by letter.

All information contained in this core listing has been supplied to the U.S. Geological Survey by the well operator or commercial well-information company. Although this information is assumed to be accurate and correct, it is the responsibility of parties using this print-out 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, a well lighted core-examination room is provided for Library visitors. Binocular microscopes, standard testing chemicals, a photo stand, and a small reference library are available in the core-examination room. A collection of approximately 6,000 thin sections is also available for study at the repository. Due to limited space for core examination, users should make an appointment prior to visiting the Core Library.

The Core Library encourages the preservation of cores 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 Library should contact the repository prior to the shipment of samples.

GENERAL INFORMATION

Name, Mailing Address, Telephone

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

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)	

Location or Shipping Address

5293 Ward Road, Building A
Arvada, CO 80002
(Address change likely by 1987)

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 in preparation. 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: 4,700 locations
Thin Sections: 6,000 slides

Purpose of Wells (Holes)

Oil and gas:	85 percent
Oil shale:	10 percent
Coal:	3 percent
Mining:	2 percent

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: No

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.

NORTH DAKOTA ABBREVIATED FORMATION/AGE NAMES

AMSD - Amsden	FRBG - Fryburg	MIDL - Midale	SNLL - Stonewall
ASRN - Ashern	FRBR - Frobitsher	MNLS - Minnelusa	SNMN - Stony Mtn
BKKN - Bakken	GLBR - Glenburn	MSNC - Mission Canyon	SPRF - Spearfish
BLLL - Blueell	GNIN - Guntton	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	LAMOURE-----045	RAMSEY-----071	TRAILL-----097
CAVALIER-----019	LOGAN-----047	RANSOM-----073	WALSH-----099
DICKEY-----021	MCHEMRY-----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

<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>LIBRARY NUMBER</u>
11N 32E 4	87	POLYMBUS CORP	19-4 KING SCHOCK	F	5541	5547	SSVD	R822
129N 103W 6	11	TENNECO OIL	1-6 SCHAAF	S	9275	9303	RDRV	C983
129N 104W 30	11	TOTAL PET INC	1-30 OLSON	S	9039	9098	RDRV	S314
129N 104W 31	11	TOTAL PET INC	2-31 HILTON	S	9111	9169	RDRV	S470
129N 104W 31	11	TOTAL PET INC	1-31 HILTON	S	8940	8968	RDRV	S604
129N 105W 25	11	TOTAL EXPLORATION	1-25 ALEXANDER	S	9031	9144	RDRV	S985
129N 106W 5	11	HOUSTON OIL & MIN CO	33-5 COLLARD-LEWIS- JACOBSON	S	6712	6751	MSNC	S065
129N 106W 9	11	HOUSTON OIL & MIN CO	11-9 JOHNSON	S	8159	8218	RDRV	B985
129N 106W 9	11	JOSEPH J C PAINE	1-9 AASEN	S	741 1150 1210 1270	753 1195 1222 1294	EGLE EGLE EGLE EGLE	R892
129N 106W 23	11	HOUSTON OIL & MIN CO	31-23 LOWE	S	8418 8502	8463 8539	RDRV RDRV	A946
130N 104W 24	11	AMARILLO OIL CO	1-24E FOSSUM	S	9419 9504 9583	9471 9558 9653	RDRV RDRV RDRV	C066
131N 105W 22	11	TOTAL PET INC	1-22 CEDAR HILLS	S	9328	9387	RDRV	C759
134N 87W 16	37	SHELL OIL CO	44-16 HIRNING STATE	S	6025 8296 8905	6079 8334 8928	MSNC RDRV WNPG	B717

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134N 99W 26	7	UNION TEXAS PET	9-26 H LEBECHUK FED	S	9843	9876	MSNC	R276
134N 100W 4	87	TENNECO OIL	1-4 STEGNER	F	8593	8649	MSNC	R214
135N 76W 17	29	SOUTHWESTERN ENERGY	1 R K WEISER	S	3600	3657	MSNC	C567
135N 98W 31	87	TENNECO OIL	1-31 AKUNKEL	S	8494	8537	MSNC	C818
136N 75W 19	29	TEXAS PACIFIC OIL CO	1 JACOB WALBAUM	S	3398	3458	MSNC	B552
136N 100W 2	87	PATRICK PET CO	1 HOWIE	S	7884	7953	TYLR	B141
137N 87W 14	54	TEXAS PACIFIC OIL CO	1 BACHLER	S	6498	6558	MSNC	B548
137N 88W 5	37	TEXAS PACIFIC OIL CO	1 WILLIAM STECKLER	S	10282	10343	WNPG	B549
137N 92W 26	89	ENERGETICS INC	22-26 MARTIN KILZER	S	8348	8396	CRLS	B755
137N 99W 31	89	SHELL OIL CO	23-31 E BELL	S	7936	8056	HETH	C649
137N 100W 6	7	MCMORAN EXPL CO	1-6 RAINS	S	8170	8191	TYLR	D029
137N 100W 6	7	UNION TEXAS PET	6-1 SMITH	S	8170 8270	8270 8290	TYLR OTTR	S615
139N 92W 19	89	TENNECO-GULF	1-19-4B HAMMAN	S	11780	11867	WNPG	C263
139N 97W 2	89	CONTINENTAL OIL	60 DICKINSON HEATH	S	7871	7874	AMSD	C808
139N 98W 5	89	CARDINAL PET	6-5 NPPR	S	8055	8078	HETH	B408
139N 98W 6	89	CARDINAL PET	1 ZARAK OYHUS	S	8033	8065	TYLR	B354
139N 102W 29	7	SAMSON	1-29 BADLANDS	S	7668	7687	TYLR	C688

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139N 106W 35	33	ANADARKO PROD CO	1-A SAMUELS	S	8761	8885	MSNC	C900
140N 82W 17	59	SHELL OIL CO	22-17 VOGEL	S	5502 5544 7902	5534 5603 7946	MSNC MSNC RDRV	B787
140N 95W 30	89	HRUBETZ OIL CO	1A-30 DECKER	F	7786	7813	MNLS	R916
140N 95W 30	89	HRUBETZ OIL CO	2-30 DECKER	F	7807	7834	TYLR	R446
140N 95W 31	89	HRUBETZ OIL CO	1-31 DECKER	F	7802	7825	TYLR	R292
140N 97W 15	89	ANADARKO PROD CO	1 ALBERT SCHMIDT	S	8038	8085	TYLR	A583
140N 97W 28	89	INEXCO OIL CO	2-28 RIDL	S	7905	7938	TYLR	C086
140N 98W 7	89	UNION TEXAS PET	7-1 ZALESKY	S	8130 8180	8163 8294	AMSD TYLR	S165
140N 99W 25	89	ENSTAR PETROLEUM	1-25 DOLYNIUK	S	9346	9399	FRBG	S945
140N 99W 33	89	MONSANTO	1 ELAINE	S	8214	8231	FRBG	C005
140N 102W 5	7	DIAMOND SHAMROCK	12-5 CORY FEDERAL	S	9017	9077	MSNC	C797
140N 103W 12	33	DIAMOND SHAMROCK	33-12 MORHLE FEDERAL	S	9096	9155	MSNC	C796
140N 103W 23	33	ANADARKO PROD CO	A-1 KRAUTH	S	7955	7997	OTTR	B783
141N 76W 17	15	SUN MARK EXPL	1 T D THORSON	S	3980 5766 5781 5807	4038 5774 5786 5808	MSNC RDRV RDRV RDRV	B737

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141N 96W 2	25	AMOCO	1 ANDREW M HEISER	S	13408	13459	WNPG	B221
141N 96W 11	25	AMOCO	1 SANDOWSKY	S	9346	9421	MSNC	B093
141N 97W 30	25	PENNZOIL CO	30-41 FAITMAN	F	8156	8253	TYLR	R484
141N 98W 22	7	TENNECO OIL	2-22 KUBAS	S	9516 9554	9541 9606	MSNC MSNC	D024
141N 100W 3	7	AL AQUITAINE	2-3 BN	S	11107	11133	MSNC	R216
141N 100W 9	7	AL AQUITAINE	1-9 BN	S	9452	9494	MSNC	R407
141N 100W 27	7	AL AQUITAINE	1-22 US	S	9460	9506	MIDL	C470
141N 100W 27	7	AL AQUITAINE	3-27 BN	S	9220	9259	RCLF	C729
141N 100W 28	7	AL AQUITAINE	1-28 US	S	11092	11122	DPRW	C476
141N 100W 33	7	AL AQUITAINE	11-33 USA	S	9026	9054	RCLF	R425
141N 101W 3	7	COASTAL O&G CORP	2V BN-3-141-101	S	9144 9144	9162 9162	FRBG MSNC	R543
141N 102W 33	7	DIAMOND SHAMROCK	31-33 HARRIS FED	S	9166	9217	MSNC	C807
141N 102W 33	7	DIAMOND SHAMROCK	33-33 KEY FEDERAL	S	9178	9237	MSNC	C790
141N 102W 34	7	DIAMOND SHAMROCK	13-34 STATE	S	9140	9208	MSNC	C805
141N 103W 25	33	DIAMOND SHAMROCK	41-26 CENEX LONG FEDERAL	S	9264	9295	MSNC	D064

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142N 93W 2	25	UNION OIL	1-E1 KNUTSON	S	7210 7249 7271 7302 7308 7336 8559	7224 7268 7286 7303 7322 7376 8611	TYLR TYLR TYLR TYLR TYLR TYLR MSNC	C100
142N 95W 2	25	AMOCO	1 FICEK	S	10727	10939	DPRW	B222
142N 97W 5	25	TENNECO OIL	2-5 FRANCHUK	S	9556	9677	MSNC	C763
142N 100W 7	7	TENNECO OIL	5-7 STUART	S	9377	9436	FRBG	B859
142N 100W 17	7	TENNECO OIL	3-17 TOC MEE USA	S	10720	10838	BKKN	B659
142N 100W 17	7	TENNECO OIL	2-17 MEE USA	S	9401 9460	9460 9509	MSNC FRBG	B654
142N 100W 19	7	TENNECO OIL	4-19 STUART USA	S	9400	9438	FRBG	B718
142N 100W 20	7	TENNECO OIL	1-20 EGLY	S	9354	9399	MSNC	B346
142N 100W 30	7	TENNECO OIL	3-30 STUART USA	S	9612	9669	MSNC	B656
142N 100W 31	7	TENNECO OIL	4-31 STUART USA	S	9342 9476	9405 9483	FRBG FRBG	B733
142N 100W 31	7	TENNECO OIL	2-31 STUART USA	S	9376	9435	FRBG	B722
142N 101W 13	7	TENNECO OIL	1-13 MOHRLE	S	9412	9441	MSNC	B655
142N 101W 23	7	COASTAL O&G CORP	2 BN 23-142-101	S	9456	9489	MSNC	B715

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142N 101W 25	7	TENNECO OIL	2-25 DAVID USA	S	9385	9445	MSNC	S076
142N 101W 25	7	TENNECO OIL	1-25 DAVID USA	S	9390	9450	FRBG	B761
142N 101W 29	7	TENNECO OIL	1-29 WIRTHLIN USA	S	9285 9329	9296 9337	MSNC MSNC	B772
142N 101W 34	7	TENNECO OIL	1-34 TANNER USA	S	9204	9432	MSNC	B657
142N 101W 35	7	TENNECO OIL	1-35 DAVID USA	S	9306	9425	FRBG	B651
143N 92W 16	25	UNION OIL	1-C16 SMITH	S	7280 7376 8604 12408	7312 7407 8646 12418	TYLR TYLR MSNC RDRV	C093
143N 97W 13	25	GULF OIL	1-13-1A STROH	S	9662	9722	MSNC	C098
143N 100W 29	7	TENNECO OIL	1-29 BN	S	9025	9078	CRLS	B362
143N 100W 30	7	TENNECO OIL	1-30 GAWRYLUK	S	9511 11196	9574 11256	MSNC DPRW	B345
143N 100W 30	7	TENNECO OIL	2-30 FEDERAL	S	11242 12950	11300 13056	DPRW RDRV	B781
143N 100W 32	7	W H HUNT TRUST	2 KORDAN	S	9610	9671	NSSN	B707
143N 100W 32	7	HUNT H L ESTATE	1 KORDAN	S	9567	9607	MSNC	B393
143N 101W 25	7	TENNECO OIL	1-25 BN	S	9463 9525	9524 9557	NSSN FRBG	B367
143N 102W 23	7	AL AQUITAINE	1-23 BN	S	10325	10373	BKKN	B832

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143N 102W 24	7	CHAMBERS JERRY	1-24 CITGO-CHAMBERS	S	10358	10404	BKKN	R912
143N 103W 36	33	COASTAL O&G CO	2 STATE	F	12404	12464	RDRV	S771
144N 92W 13	25	UNION OIL	1-C13 MUGGLI	S	7195	7248	TYLR	C265
144N 99W 14	7	AMOCO	1 TACHENKO	S	9950 10002	9984 10045	MSNC MSNC	B137
144N 100W 31	7	TEXACO INC	1 GOVERNMENT M S PACE	S	9508 9566	9566 9758	CRLS MSNC	R649
144N 102W 15	7	TENNECO OIL	1-15 GRAHAM USA	S	10331	10393	BKKN	B658
144N 102W 19	7	COASTAL O&G CORP	1 BN BIG ELK CREEK	S	12523	12552	RDRV	S257
144N 105W 23	33	TENNECO OIL	1-23 ROSE GASHO	S	9160	9228	RCLF	B365
145N 101W 15	53	BELCO PET CORP	5-15 BURLINGTON NORTHERN	S	9447	9477	NSSN	A476
145N 101W 32	53	BELCO PET CORP	2-32 ROUGH RIDER FEDERAL	S	9246	9264	MDSN	A473
145N 105W 24	53	QUINTANA PET	1 USA	S	9024	9074	CRLS	B376
146N 91W 8	25	TENNECO OIL	4-8 ROMONA FOOLISH BEAR	S	8704	8744	MSNC	C753
146N 93W 14	25	ANR PRODUCTION	1-14 FLB-ASKEW	S	9206	9264	MSNC	S023
146N 96W 11	25	AMOCO	1 WILLIAM C LUBKE	S	9883	9956	MSNC	B174
146N 97W 29	25	AMOCO	1 HOUDEN	S	9551 9591	9568 9654	MSNC MSNC	B138
146N 103W 9	53	GPE	1 BN	S	9165	9226	RCLF	C725

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147N 91W 15	25	HOME PET	1-15 DANKS	S	8653 8678	8675 8738	MDSN MDSN	B875
147N 96W 10	25	MESA PETROLEUM CO	10-1 FEDERAL	S	13756 13825 13856	13778 13845 14003	RDRV RDRV RDRV	C898
147N 96W 14	25	MESA PETROLEUM CO	14-1 ENGVOLD	S	11636	11695	DPRW	R629
147N 101W 22	53	PENNZOIL-DEPCO	22-32 FEDERAL	S	9234	9321	RCLF	C727
147N 104W 10	53	BWA&B	10-31X FEDERAL	S	9008	9062	RCLF	C724
147N 105W 1	53	GPE-AL AQUITAINE	1 BN	S	8900	8973	RCLF	C731
148N 77W 20	83	ARCO	1 SUNDVOLD	C	4544 4735	4662 4764	MSNC MSNC	C020
148N 96W 4	25	GEN AM OIL TEXAS	1-4 HANNA	S	11170	11208	DPRW	B575
148N 96W 10	25	GEN AM OIL TEXAS	1 SIGNALNESS	S	14045	14070	RDRV	B313
148N 96W 10	25	GEN AM OIL TEXAS	2-10 SIGNALNESS FEDERAL	S	13543	13577	SNMN	C241
148N 101W 27	53	TRUE OIL	24-27 BURLINGTON NORTHERN	S	9228	9279	MSNC	S946
148N 104W 17	53	PENNZOIL CO	17-12 DEPCO FEDERAL	S	9271	9388	MSNC	B478
149N 94W 16	53	HOME PET	1 OSCAR BERG	S	9548	9640	MSNC	A681
149N 95W 29	53	ASHLAND EXPL CO	1-29 NELSON ETAL	S	11230	11271	NSKU	B018
149N 100W 22	53	CHAMPLIN PET	1 STATE-ROGNESS 41-22	S	9634	9932	MSNC	R372

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149N 100W 23	53	CHAMPLIN PET	2-12B-23 MCGREGOR	S	9613 9866	9650 9924	MSNC MSNC	R373
150N 90W 1	55	HOME PET	1-1 TRIBAL	S	8208	8248	MSNC	B550
150N 100W 30	53	TRANSCO EXPL	1-30 OLSON	S	9740	9772	MSNC	S554
150N 101W 19	53	TRANSCO EXPL	1-19 HELLING-PRONGHORN	S	9400	9440	RCLF	S201
150N 101W 20	53	HOME PET	13-20 CAHILL HELLING	S	9588	9602	MSNC	C871
151N 90W 36	61	HOME PET	36-1 SOLOMONSON STATE	S	12636	12756	RDRV	B877
151N 94W 6	53	TENNECO OIL	1-6 OLIVE WELLS *	S	9171	9231	MSNC	S086
151N 101W 18	53	AL AQUITAINE	5-18 GAJEWSKI	S	13553 13609	13604 13649	RDRV RDRV	D050
151N 101W 36	53	TRANSCO EXPL	1-36 TXC STATE	S	9500 9513	9512 9544	MIDL MSNC	C210
151N 102W 8	53	POGO PRODUCING CO	1-8 ROD	S	9456 9486	9480 9493	MIDL MIDL	C945
151N 104W 24	53	TENNECO OIL	1-24 KOCH	S	13135	13187	RDRV	R226
151N 104W 25	53	HART EXPLORATION	1-25 HART TRANSCO SHAIDE	S	13112	13153	RDRV	C699
152N 88W 12	61	POGO PRODUCING CO	1-12 POGO SKARSGARD	S	7309	7348	BLLL	C952
152N 98W 10	53	ENSOURCE INC	1-10 GUNDERSON	F	6104	6142	VGRD	R920
152N 104W 4	105	LADD PET	1 LADD STRINDEN	S	8992	9020	MSNC	D067

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153N 77W 10	49	ARCO	1 MERCK	C	3757 3963	3875 4022	MSNC MSNC	C022
153N 84W 3	101	UNION OIL	1-D3 PEDERSON	S	6136	6210	MSNC	C941
153N 87W 3	101	UNION OIL	1-03 ZAVALNEY	S	7020	7141	MSNC	B780
153N 95W 5	53	AMERADA PET	5 LOOMER U	S	9275	9421	MSNC	C874
153N 95W 7	53	TEXAS CO	2-A THOMPSON	S	7005	7055	MNLS	S088
153N 95W 16	53	AMERADA PET	10 ND	S	8945	9037	MSNC	C869
153N 99W 4	105	LOUISIANA LAND & EXP	21-4 BROGGER	S	9830	9884	MSNC	C950
153N 100W 19	105	TENNECO OIL	1-19 COULTER	S	9092	9147	MSNC	D069
154N 82W 33	101	INEXCO OIL CO	1-33 ABLESTAD	S	5430	5461	GLBR	C837
154N 85W 12	101	INEXCO OIL CO	1-12 OLSON	S	6262	6305	MSNC	B593
154N 85W 34	101	INEXCO OIL CO	1-34 OPLAND	S	6531	6576	MSNC	B594
154N 90W 3	61	UNION TEXAS PET	3-1 JOHNSON STATE	S	7993	8159	MSNC	S543
154N 90W 11	61	UNION TEXAS PET	11-1 MOEN	S	7864	7924	MSNC	R282
154N 95W 18	105	ASHLAND EXPL CO	1-18 MENDENHALL	S	8241 9924	8301 9984	CHRK BKKN	B020
154N 96W 3	105	AMERADA HESS	3-13 HARTSOCH	S	11212 11212	11451 11451	TRLK ASRN	C932
154N 99W 31	105	TENNECO OIL	1-31 SKURDAL	S	9674	9713	MSNC	C984

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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	A715
155N 85W 19	101	KISSINGER PET	15-19 NESHEM	S	6442	6493	SHRD	A901
155N 85W 21	101	INEXCO OIL	1-21 WALLACE	S	6252	6305	MSNC	B595
155N 85W 30	101	DEPCO INC	1-A PEARSON	C	6510	6560	SHRD	S089
155N 85W 31	101	KENNEDY & MITCHELL	1-719-2 JEFFERY LONETREE	S	6545	6605	MDSN	C580
155N 86W 13	101	DEPCO INC	1 WICKHAM	S	6470	6521	SHRD	C027
155N 86W 13	101	DEPCO INC	1-A MANN	C	6504	6554	MDSN	S091
155N 86W 22	101	WHEELS INDUSTRIES	1 KILENE	S	6658 6686	6686 6718	BLLL SHRD	C680

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155N 86W 23	101	WHELFESS INDUSTRIES	1 E FLAMMANG	S	6580 6600	6600 6640	BLLL SHRD	C683
155N 86W 24	101	DEPCO INC	1 ST PAUL	C	6474	6517	SHRD	S092
155N 86W 26	101	TOTAL PET INC	1-26 FJELDAHL	S	6617 6626	6626 6651	STTA BLLL	C619
155N 101W 4	105	TENNECO OIL	1-4 MARIE WHITE	S	9055 13340	9113 13440	RCLF RDRV	B340
155N 101W 5	105	TENNECO OIL	1-5 JENSEN	S	10809 13372 13406 13431	10869 13399 13427 13484	NSKU RDRV RDRV RDRV	B335
155N 101W 8	105	TENNECO OIL	2-8 ALLISON	S	10783	10843	NSKU	C758
155N 101W 8	105	TENNECO OIL	1-8 BOOKE	S	11643 13028	11661 13079	DSNB SNLL	B590
156N 84W 4	101	INEXCO OIL CO	1-4 STROMBERG	S	5403	5448	MHLL	C666
156N 86W 19	101	INEXCO OIL CO	3-19 HENRY	F	6522	6528	BLLL	R526
156N 86W 21	101	KENNEDY & MITCHELL	56-720-1 KEISER BERTHOLD	S	6366	6426	MSNC	C486
156N 86W 26	101	LOUISIANA LAND & EXP	1 KEISER	S	6376	6405	SHRD	C050
156N 86W 27	101	KISSINGER PET	11-27 ROBERTS	S	6352	6401	SHRD	A902
156N 86W 29	101	INEXCO OIL CO	1-29 DAISY	S	6465 6505	6503 6525	MSNC MSNC	R541

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156N 91W 33	61	BROOKS EXPL	1-33 MCNALLEY	S	8197	8254	BLLL	D021
156N 92W 1	61	HNG OIL CO	1-1 KALLEVIG	S	8118 8152	8152 8174	BLLL SHRD	R893
156N 102W 30	105	SUPERIOR OIL CO	30-32 HERSTAD	C	13269	13329	RDRV	C942
157N 79W 4	49	ENERGY RESERVE GROUP	1 BIGSKY	S	5055	5097	NSKU	C150
157N 84W 19	101	KENNEDY & MITCHELL	54-725-1 BE CARPIO	S	5579	5639	MSNC	C320
157N 85W 10	101	PRIMARY FUELS	1-10 DAHLENG	S	5661	5707	UNKN	C774
157N 86W 3	101	GETTY OIL	1 BURTON GRAFF ETAL	S	5817 5877	5877 5947	MIDL MSNC	A896
157N 86W 19	101	INEXCO OIL CO	1-19 LEE	S	6379	6421	BLLL	C665
157N 86W 30	101	INEXCO OIL CO	1-30 NORGARD	S	6415	6451	BLLL	R723
157N 87W 1	101	INEXCO OIL CO	1-1 NELSON	S	6333	6362	MSNC	B699
157N 87W 13	101	INEXCO OIL CO	1-13 CRYSTAL	S	6354	6399	BLLL	R730
157N 88W 17	61	CHALLENGER MINERALS	42-17 PULLEN	S	7034	7094	UNKN	C881
157N 95W 30	105	APACHE CORP	30-8 SCHMIDT	S	12323 12408	12340 12439	IRLK IRLK	D027
158N 79W 9	49	CITATION OIL & GAS	41-9 MAYNARD THOMPSON	F	4920	4972	NSKU	R646
158N 81W 36	75	APACHE CORP	1-36 WAYNE	S	4423	4481	MSNC	C285

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158N 82W 16	75	KENNEDY & MITCHELL	55-907-1 STATE WEST GLENBURN	S	4583	4601	GLBR	C003
158N 83W 10	75	INEXCO OIL CO	1-10 GRAHAM	S	4860	4895	GLBR	C925
158N 83W 18	75	INEXCO OIL CO	1-18 STATE NELSON	S	5003	5043	MSNC	B698
158N 83W 18	75	INEXCO OIL CO	1-18 STATE JOHNSON	S	4948	4988	MSNC	B702
158N 84W 10	75	INEXCO OIL CO	1-10 PHILLIPS	S	5174	5218	MSNC	B697
158N 85W 1	75	SUNBEHM GAS	2 DARLING-FEDERAL	S	5305	5355	SHRD	C634
158N 85W 11	75	SUNBEHM GAS	1R VENDSEL ET AL	S	5425	5482	SHRD	C684
158N 85W 11	75	DEPCO INC	1-A VENDSEL	S	5411	5449	FRBR	B312
158N 85W 11	75	SHELL OIL CO	14-11 VENDSEL	S	5413	5467	SHRD	C681
158N 85W 13	5	PIONEER PROD CORP	1-13 LEE	S	5387	5427	SHRD	C698
158N 85W 27	75	KENNEDY & MITHCELL	56-734-1 HELSETH	S	5558	5618	MSNC	C484
158N 85W 27	75	ANADARKO PROD CO	1 ANDERSON	S	5563	5597	SHRD	A903
158N 88W 17	61	MONSANTO	1 ESTHER	S	6854	6890	MSNC	R749
158N 90W 8	61	MONSANTO	1 PALMER	S	7427	7480	MSNC	S035
158N 90W 14	61	MONSANTO	1 GOLDA	S	7298	7342	MSNC	R832
158N 91W 35	61	BROOKS EXPL	1-35 NELSON	S	7820	7896	BLLL	D025

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158N 97W 27	105	ARCO	1 SIMPSON	C	9086 9755 10736 11704 13260 13987	9155 9788 10831 11758 13497 14029	MSNC LDGP DPRW WFGS RDRV WNPG	C026
158N 101W 14	105	TRANSCO EXPL	1-14 TXC PETERSON	S	12509 12562	12538 12622	RDRV RDRV	B486
159N 82W 32	9	KIRBY EXPL CO	1-32 BROOKS	S	6773 6872	6832 6932	WNPG WNPG	A470
159N 83W 13	1	WILLIAMS CORP	31-13 UNDLIN	S	4570	4615	MHLL	R614
159N 83W 19	9	INEXCO OIL CO	1-19 SAVELKOU	S	4870	4908	MSNC	B705
159N 83W 33	9	INEXCO OIL CO	1-33 BLOMS	S	4750	4785	MSNC	B709
159N 84W 16	75	INEXCO OIL CO	1-16 FRAME	S	5024	5077	MHLL	S965
159N 84W 18	75	CLARION O&G CORP	1-18 FOSTER	S	5125	5176	SHRD	B692
159N 84W 21	75	INEXCO OIL CO	2-21 RANDOLPH	S	5070	5132	MSNC	B596
159N 84W 34	75	INEXCO OIL CO	1-34 DUFNER	S	5100	5143	MHLL	C667
159N 85W 17	75	DEPCO INC	1 SATTERLAND	S	5380	5424	SHRD	B309
159N 85W 21	75	DEPCO INC	2 SCHULTZ	C	5335	5395	SHRD	S093
159N 85W 27	75	DEPCO INC	1 ELBERG	C	5330	5390	SHRD	S094
159N 85W 29	75	MONSANTO	1 KINSON-THOMPSON	S	5463	5523	MSNC	C321

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159N 88W 21	101	HOME PET	1-21 LEHMAN-FLB	S	6420 6478	6478 6538	BLL SHRD	C334
159N 88W 27	101	CELERON O&G	5-27 KING	S	6444	6504	MSNC	C214
159N 88W 33	101	CLARION RESOURCES	1-33 PULLEN	S	6422 7685	6452 7717	MIDL BKKN	B678
159N 90W 12	13	MONSANTO	1 KINSON-CARLSON	S	6920	6968	MSNC	S072
159N 90W 16	13	MONSANTO	1 CASTOR STATE	S	6955	6998	MSNC	C709
159N 91W 1	13	MONSANTO	1 KINSON-ECKERT	S	7227	7279	MSNC	C407
159N 100W 10	105	TEXAS GAS EXPL	42-10 ULLEDAL	S	8130	8178	MSNC	C206
159N 100W 10	105	TEXAS GAS EXPL	43-10 ESTERBY	S	8131	8252	MSNC	C207
159N 100W 11	105	TEXAS GAS EXPL	11-11 HOLM	S	8162	8221	MSNC	C169
159N 102W 5	105	TRANSCO EXPL	1-5 FISCHER TXPOC	S	7740 8140	7769 8170	RCLF MSNC	R439
159N 102W 11	105	HRUBETZ OIL CO	1-11 BUBLITZ	F	7875	7928	RCLF	R548
159N 102W 16	105	DEPCO INC	44-16 LARSON	S	8035	8065	RCLF	C642
159N 102W 19	105	DEPCO INC	21-19 GARRAS	S	7941	7974	RCLF	C638
160N 78W 9	9	SUPERIOR OIL CO	1 MONA DOMAN	S	3274	3290	MIDL	B272
160N 84W 17	75	CLARION RESOURCES	1-17 OBERHOLTZER	S	4830	4873	SHRD	B691
160N 85W 5	75	CHALLENGER MINERALS	14-5 SCHULTZ	S	5143	5397	NSSN	C940

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160N 85W 9	75	KENNEDY & MITCHELL	56-740-4 UNION CENTRAL	S	5039	5090	MSNC	C551
160N 85W 15	75	KENNEDY & MITCHELL	1 LARSON NW GREENE	S	5020	5080	BLLL	C798
160N 86W 4	75	SHELL OIL CO	32-4 RAAP	S	5400	5459	MIDL	C635
160N 86W 23	75	CLARION RESOURCES	1-23 LUNDGREN	S	5371	5431	MSNC	B710
160N 86W 23	75	CLARION RESOURCES	2-23 LUNDGREN	S	5342	5402	SHRD	B689
160N 87W 33	101	ENSTAR PETROLEUM	11-33 JAMES	S	5911	5949	BLLL	C155
160N 89W 20	101	CLARION RESOURCES	1-20 FLECKTON	S	6396 7651	6456 7691	MIDL BKKN	B706
160N 90W 24	13	MONSANTO	1 KINSEN-GENEVA	S	6640	6682	MSNC	C696
160N 91W 23	13	MONSANTO	1 ELDON	S	7061	7140	MSNC	C389
160N 92W 21	13	INEXCO OIL CO	1-21 WEINMAN	S	7465 7465	7516 7516	RIVL MIDL	S150
160N 96W 24	23	FILON EXPL	1 TOFIE	S	7820 7851	7843 7863	MSNC MSNC	A288
160N 96W 28	23	DIAMOND SHAMROCK	22-28 EVENSON FEE	S	10838	10960	WPGS	C959
160N 100W 33	23	DIAMOND SHAMROCK	22-33 FLORENCE FEE	S	7962 7980	7972 7999	MSNC MSNC	R725
161N 86W 7	75	MONSANTO	1 KINSON-DAVIDSON	S	5215	5247	MSNC	C692
161N 86W 8	75	KISSINGER PET	6-8 BUCHOLTZ	S	5272	5313	SHRD	B817

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161N 86W 17	75	KENNEDY & MITCHELL	1-741-6 M MCKINNEY	S	5326	5386	MSNC	C566
161N 86W 18	75	KISSINGER PET	6-18 LAUMB	S	5349	5397	SHRD	C633
161N 86W 27	75	MONSANTO	1 MARLENE-KINSON	S	5300	5359	MSNC	C570
161N 86W 28	75	KENNEDY & MITCHELL	58-743-1 SOURIS	S	5377	5437	MSNC	C319
161N 87W 15	75	CLARION RESOURCES	1-15 TUNELL	S	5570 5590	5589 5643	BLLL SHRD	B636
161N 87W 18	75	CLARION RESOURCES	1-18 PIERCE	S	5616 6760	5675 6790	MIDL BKKN	B635
161N 88W 18	101	MONSANTO	1 BERNARD-KINSON	S	5924 5954	5954 5984	CRLS MSNC	C546
161N 88W 33	101	CHALLENGER MINERALS	31-33 WATHEN	S	5991	6080	UNKN	C873
161N 89W 36	13	MONSANTO	1 RODIN-KINSON	S	6174	6223	MSNC	C573
161N 90W 1	13	MONSANTO	1 ROSE	S	6112	6164	MSNC	C704
161N 90W 11	13	RESOURCES INVESTMENT	1-11 LOSTWOOD	S	6173 6186 6218	6186 6218 6230	STTA BLLL SHRD	S573
161N 90W 11	13	RESOURCES INVESTMENT	2-11 LOSTWOOD	S	6165 6167	6167 6225	CRLS MSNC	C156
161N 90W 12	13	MONSANTO	1 KINSON-HANSEN	S	6125 6187	6173 6217	MSNC MSNC	C695
161N 90W 14	13	RESOURCES INVESTMENT	1-14 LOSTWOOD	S	6178 6184	6184 6223	CRLS MSNC	S610

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161N 90W 28	13	CENTURY	28-4 HAROLD	S	6450	6454	MSNC	D055
161N 90W 29	13	CENTURY	29-11 CENTURY ALBIN	S	6518 6574	6562 6591	GLBR GLBR	D063
161N 90W 29	13	CENTURY	29-7 OBSETH	S	6191	6202	CRLSB	D066
161N 90W 29	13	MONSANTO	1 OPSETH	S	6516 6524 6529 6563	6524 6529 6563 6576	CRLS MSNC MSNC MSNC	C117
161N 90W 30	13	CENTURY	30-9 ALBIN	S	6576	6604	BLLL	D059
161N 90W 31	13	CENTURY	31-1 ALBIN	S	6574	6643	NSSN	C939
161N 90W 32	13	MONSANTO	1 HAROLDSON	S	6566 6622	6613 6674	MSNC MSNC	C281
161N 91W 7	13	MONSANTO	1 BEARD	S	6640	6710	MSNC	S095
161N 91W 18	13	MONSANTO	1 RAMEDAN	S	7017	7077	MSNC	C111
161N 91W 18	13	MONSANTO	1 BELLA	S	6743 6760	6756 6828	MSNC MSNC	C110
161N 91W 18	13	MONSANTO	2 CHRISTIANSON	S	6646	6697	MSNC	S096
161N 91W 24	13	CLARION RESOURCES	1-24 SLATER	S	6603 7872 7922	6662 7922 7937	MIDL BKKK BKKK	B679
161N 95W 20	23	LOUISIANA LAND & EXP	41-20 HEUER	S	9485 10488	9535 10548	DPRW WPGS	C961

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161N 95W 25	23	HOME PET	2-25 KJELSHUS	S	12689 12739 12786	12710 12783 12806	WNPG WNPG WNPG	B878
161N 95W 25	23	HOME PET	1-25 KJELSHUS	S	10731	10783	WFGS	B977
161N 97W 19	23	LOUISIANA LAND & EXP	12-19 1 OTTESON	S	9316 10346	9318 10406	DPRW WFGS	C947
161N 100W 1	23	LOUISIANA LAND & EXP	14-1 KNUDSNIG	S	9151	9196	DPRW	C953
161N 101W 12	23	TENNECO OIL	1-12 RIVELAND	F	11476	11537	RDRV	R229
161N 102W 29	23	TRANSCONTINENTAL	1-29 WITTMAYER	S	11185 11233	11230 11283	RDRV RDRV	D095
161N 102W 30	23	HNG OIL CO	30-2 ANDERSON STATE	S	10047	10079	WFGS	C284
162N 78W 30	9	CITATION OIL & GAS	21-30 ARDIS HOLEN	F	4260	4308	NSKU	R075
162N 81W 15	9	CLARION RESOURCES	1-15 STEAD	S	3575	3622	SPRF	B779
162N 83W 32	9	MONSANTO	2 RING	S	4345 4390	4385 4422	CRLS MSNC	B708
162N 85W 30	75	GREAT WESTERN DRLG	1 C STRAND	S	4926	4966	SHRD	C682
162N 86W 2	75	TXO PRODUCTION CORP	2 ENGERBERG	S	4797	4894	SHRD	R298
162N 86W 2	75	TEXAS O&G CORP	1 BLJUEL	S	4796	4890	SHRD	R297
162N 86W 12	75	KISSINGER PET	5-12 VEHSAGE	S	4813 4813	4903 4903	MHL SHRD	C637

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162N 86W 35	75	MONSANTO	8-35 JUSTIN STATE	S	4998	5057	MSNC	C550
162N 87W 33	75	KENNEDY & MITCHELL	33-16 JENSEN	S	5467	5503	MSNC	S949
162N 89W 18	13	MONSANTO	1 KINSON CLAYTON	S	5819	5860	MSNC	C711
162N 89W 32	13	CLARION RESOURCES	1-32 MERTES	S	5936 5981 7169	5960 6042 7229	KBBY STTA UNKN	B694
162N 90W 13	13	MONSANTO	1 HILBERT	S	5840 5883	5883 5913	MSNC MSNC	C722
162N 90W 28	13	CHANDLER ASSOC	14-28 SCHULTZ	S	6072 6072	6142 6142	SHRD BLLL	C278
162N 90W 33	13	CHANDLER ASSOC	6-33 NELSON	S	6134	6190	SHRD	C410
162N 90W 36	13	MONSANTO	1 MAGEDANZ	S	6026 6029	6029 6068	CRLS MSNC	B358
162N 91W 3	13	CENTURY	3-11 IVAN	S	6078 6082	6082 6112	STTA BLLL	C888
162N 91W 10	13	KINSON RESOURCES	15-10 UNDHJEM	S	6189	6244	MSNC	C118
162N 91W 11	13	TEXAS O & G CORP	1 BENGE	S	6211	6270	BLLL	R790
162N 91W 15	13	CHANDLER ASSOC	16-15 NELSON	S	6258	6318	BLLL	C408
162N 91W 25	13	TEXAS EASTERN OIL CO	25-33 HOWARD TRUST	S	6191 6191	6250 6250	SHRD BLLL	C617
162N 91W 31	13	MONSANTO	1 KINSON STRATHE	S	6518	6595	MSNC	C510

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162N 92W 19	13	MONSANTO	1 POOLEY	S	6741	6799	MSNC	C113
162N 92W 19	13	MONSANTO	1 PAULSON	F	6615	6655	MSNC	S100
162N 102W 36	23	TRANSCO EXPL	1-36 TXPO-MEYER	S	10934	10964	GNTN	C631
163N 76W 19	9	KENNEDY & MITCHELL	55-751-1 LIRDSTROM DAM LAKE	S	2973	3085	SPRF	C565
163N 76W 30	9	KENNEDY & MITCHELL	55-753-2 SJULE CARBURY	S	2948	3068	SPRF	C547
163N 76W 33	9	KENNEDY & MITCHELL	55-753-3 ORKE-CAKBURY	S	2982	3087	SPRF	C569
163N 77W 11	9	KENNEDY & MITCHELL	55-752-1 MAGNUSON	S	3001	3102	SPRF	R367
163N 79W 34	9	CHAMPLIN PET	1 THOMPSON	S	3198 3220	3202 3222	MIDL MIDL	S101
163N 80W 1	9	WARD-WILLISTON DRIG	1 HENDERSON-UNION	F	3236	3256	CRLS	S102
163N 85W 3	75	PARKER OIL	1 MCCRORY	S	4175	4200	SHRD	C679
163N 85W 21	75	CLARION RESOURCES	1-21 BURNS	S	4333 4333	4424 4424	NSSN SHRD	B693
163N 88W 8	13	MONSANTO	1 ST CROIX	S	5155 5164	5164 5183	CRLS MSNC	C119
163N 89W 6	13	CLARION RESOURCES	1-6 FREED	S	5265	5325	STTA	B686
163N 89W 22	13	MONSANTO	1 ORLUF	S	5392 5398	5398 5422	STTA MSNC	C120
163N 90W 3	13	MONSANTO	1 DE ELLA	S	5534	5558	MSNC	C571

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163N 90W 6	13	MONSANTO	1 ALBERTA	S	5676	5736	MSNC	C549
163N 90W 7	13	MONSANTO	1 JENSON	S	5735	5856	MSNC	C783
163N 90W 7	13	MONSANTO	1 EDITH	S	5747	5780	MSNC	C152
163N 90W 7	13	MONSANTO	2 JENSON	S	5712	5753	MSNC	R561
163N 90W 16	13	MONSANTO	1 RONALD	S	5668	6098	MSNC	C572
163N 90W 18	13	MONSANTO	1 GWENDOLYN	S	5729 5782	5781 5805	MSNC MSNC	R564
163N 91W 1	13	MONSANTO	1 FAITH	S	5665 5757	5756 5856	CRLS	S019
163N 91W 2	13	MONSANTO	1 BLANCHE	S	5825	5897	MSNC	R581
163N 91W 4	13	MONSANTO	1 KINSON ALVINA	S	5845	5950	MSNC	C789
163N 91W 10	13	CHANDLER ASSOC	16-10 GREGORY	S	5826 5871	5870 5932	BLLL SHRD	R695
163N 91W 11	13	MONSANTO	2 STANNARD	S	5780	5879	MSNC	C507
163N 91W 11	13	MONSANTO	3 DELORES	S	5800 5844	5803 5873	MSNC BLLL	C107
163N 91W 11	13	MONSANTO	1 ABEL-USA	S	5821 5867	5866 5919	BLLL SHRD	R388
163N 91W 12	13	MONSANTO	1 MARVIN	S	5753	5863	MSNC	C786

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163N 91W 12	13	MONSANTO	1 ALFRED	S	5749 5846	5837 5864	MSNC MSNC	C161
163N 91W 12	13	MONSANTO	1 JACOBSEN	S	5757 5772	5760 5868	CRLS MSNC	R621
163N 91W 12	13	MONSANTO	1 GALVIN	S	5735	5756	MSNC	S967
163N 91W 12	13	MONSANTO	2 GALVIN	S	5776	5854	MSNC	C762
163N 91W 13	13	MONSANTO	1 SORUM	S	5785 5830	5829 5845	MSNC MSNC	C158
163N 91W 13	13	MONSANTO	2 LOTTIE	S	5730 5773 5808 5860 5949	5772 5807 5859 5948 6072	CRLS CRLS MSNC MSNC MSNC	S970
163N 91W 14	13	CENTURY	14-4 SCHULTZ	S	5811	5855	BLLL	C315
163N 91W 14	13	CENTURY	14-6 SCHULTZ	S	5880	5910	SHRD	S080
163N 91W 14	13	MONSANTO	1 DOROTHY NELSON	S	5812 5859	5858 5895	MSNC MSNC	S971
163N 91W 21	13	CENTURY	HARMS	S	5956 5956	6032 6032	SHRD BLLL	C723
163N 91W 31	13	CENTURY	31-1 NELSON	S	6116 6158	6158 6191	BLLL SHRD	D058
163N 91W 31	13	CENTURY	31-5 BLY	S	6116 6170	6170 6200	BLLL SHRD	C314

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163N 92W 29	13	CLARION RESOURCES	1-29 NELSON	S	6190 7397	6250 7455	NSSN BKKN	B684
163N 93W 1	13	CENTURY	1-6 SHWARTZ	S	6050	6109	MHLL	C721
163N 93W 15	13	DEKALB NORTHERN OIL	1 J J MILLER	F	6121 6148	6148 6174	STTA STTA	S103
163N 93W 21	13	CLARION RESOURCES	1-21 NEGAARD	S	6210 7375	6262 7415	MIDL MIDL	S104
163N 95W 8	23	LOUISIANA LAND & EXP	13-8 1 COOVER	S	8113	8173	DPRW	C955
163N 97W 31	23	CHIEFTON INT	1 ARCHIE PETERSON	S	9721	9801	WPGS	C922
163N 98W 15	23	LOUISIANA LAND & EXP	12-15 1 FOSSOM	S	8269	8329	DPRW	C951
163N 99W 3	23	TEXACO INC	1 F R GREGORY WELL	S	6538 10666	6645 10727	RCLF RDRV	C764
163N 99W 11	23	BWA&B	11-24 ENERSON	S	8344	8423	DPRW	D088
163N 99W 12	23	LOUISIANA LAND & EXP	3-12 1 NORBY	S	8422	8478	DPRW	C949
163N 100W 3	23	LOUISIANA LAND & EXP	13-3 1 STATE LACHER	S	8282	8337	DPRW	C956
163N 101W 5	23	TENNECO OIL	1-5 CARTER	F	6980	7040	MSNC	R241
163N 101W 16	23	TENNECO OIL	1-16 STATE	S	10758	10818	GNTN	B959
163N 102W 1	23	TENNECO OIL	1-1 TANGEDAHL	F	6932	7032	MDSN	R246
164N 78W 34	9	NORCEN ENERGY INC	34-1 LINDSTROM NORCEN FEE	S	2966	3026	SPRF	C770

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164N 78W 34	9	NORCEN ENERGY INC	34-1 NORSTGAARD	S	2965	3025	SPRF	C769
164N 78W 35	9	NORCEN ENERGY INC	1 BOUNDRY CREEK-FLYING FEE	S	2952	3072	SPRF	C776
164N 84W 32	75	KISSINGER PET	5-32 HURDELBRINK	S	4085	4122	SHRD	S857
164N 85W 25	75	CHANDLER ASSOC	B1 RUSCH	S	4042	4102	SHRD	C636
164N 85W 32	75	KISSINGER PET	12-32 WALSH	S	4294	4345	SHRD	C640
164N 88W 36	13	MONSANTO	1 KINSON-WILHELMINA	S	4990	5061	MSNC	C705
164N 95W 31	23	NATRONA-TEXAS CORP	1 DAHLE	S	8720	8750	DSNB	C892