

DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Catalog of Arizona and New Mexico Cores Housed
at the USGS Core Research Center,
Denver, Colorado

By

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Open-File Report 87-369

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

¹Denver, Colorado

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INTRODUCTION

This report, compiled in April, 1987, catalogs the three cores from the state of Arizona and the one hundred and three cores from the state of New Mexico 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

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. 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

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: 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.

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

<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>
40N 28E 2	1	MONSANTO	138-6 NAVAJO TRACT	S	5280	5300	LDVL	D185
41N 30E 26	1	ENERGY RESERVE GROUP	9 NAVAJO O	S	5236 5300	5290 5356	DRCK DRCK	B953
37N 5W 27	15	WESTERN NUCLEAR	63-1 IDA-CR	F	0 445 904	445 904 925	KIBB TRWP HRMT	S438

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 ARriba-----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

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8N 32E 16	37	BAKER & TAYLOR	1 DIPLODOCUS STATE	S	2440 2449	2446 2486	SADR SADR	R549
28N 20E 24	7	BENNETT PET	1 PHELPS-DODGE	S	2020	2036	UNKN	A927
12N 20W 16	31	SECO-YATES	16-1 STATE	F	2229	2239	UNKN	R708
16N 14W 29	31	USGS	S-1	S	475 541 1032	541 1032 1082	DKOT MRSN GLNC	B601
17N 8W 5	31	TESORO PET	30 SFRR	S	2695	2736	DKOT	B372
17N 9W 12	31	TENNECO OIL	65 HOSPAH	S	1550	1645	HSPH	C254
17N 9W 12	31	TENNECO OIL	1 HOSPAH	S	1600 1620 1649	1607 1647 1709	HSPH HSPH HSPH	C264
17N 9W 12	31	TENNECO OIL	61 HOSPAH	F	1544 1574	1572 1664	HSPH HSPH	S041
17N 9W 12	31	TENNECO OIL	64 HOSPAH	F	1574 1614	1588 1634	HSPH HSPH	S042
17N 9W 12	31	TENNECO OIL	63 HOSPAH	F	1536	1639	HSPH	S197
17N 9W 12	31	TENNECO OIL	2 HOSPAH	S	1540 1588 1624 1682	1581 1619 1678 1739	HSPH HSPH HSPH HSPH	C271
17N 12W 6	31	USGS	S-5	S	2250	2850	MRSN	B641

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17N 12W 9	31	SIERRA O&G	9-2 SECO NZ	S	1945	1965	DKOTD	C677
17N 12W 29	31	CONOCO	2-N CONOCO	F	1601	2203	MRSN	R812
17N 13W 15	31	USGS	S-4	S	1722	2310	MRSN	B611
17N 13W 15	31	USGS	S-4A	S	21	218	UNKN	S046
17N 13W 29	31	USGS	S-3	S	1567	2168	MRSN	B609
18N 5W 1	31	USGS	1	F	310	329	MENF	S047
18N 8W 9	31	CHAMPLIN PET	2 FEDERAL 13-9	F	3168	3265	DKOT	R368
18N 12W 19	31	USGS	S-6	S	2475	3069	MRSN	B613
19N 4W 12	43	FILON EXPL	12-1 FEDERAL	S	5491	5536	ENRD	B007
19N 12W 5	31	USGS	S-8	S	3060	3520	MRSN	S050
19N 12W 31	31	USGS	S-7	S	2833	3440	MRSN	B614
19N 12W 31	31	USGS	S-7A	S	2920	3233	MRSN	B617
20N 1W 15	43	COTTON PET	15-13 GURULE	F	2863	2923	GLLP	S436
20N 1W 22	43	COTTON PET	41-22 SHELBY	F	2370	2428	MNSC	S220
20N 3W 11	43	SAMUEL GARY OIL PROD	11-16 SAN YSIDRO	S	4023 4053	4053 4083	MNCS GLLP	C329
20N 5W 21	31	FILON EXPL	2 FEDERAL 21	S	5899	5943	ENRD	A950
20N 6W 23	31	USGS	3	F	385	448	FRLD	S051

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20N 7W 12	31	USGS	4	F	390	409	FRLD	S052
21N 4W 36	43	SAMUEL GARY OIL PROD	36-D STATE	S	4374	4434	MNCS	C328
21N 5W 22	43	DOME PET LTD	1 FEDERAL 22	S	1855	1980	CHCR	A921
21N 6W 3	43	DOME PET LTD	1 FEDERAL 3	S	1490	1612	CHCR	B051
21N 8W 7	45	USGS	6	F	249	359	FRLD	S055
21N 8W 20	45	DOME PET LTD	1 SANTE FE 20	S	5608	5658	ENRD	A922
21N 8W 21	45	TENNECO OIL	5 SNAKE EYES	S	4477 4481 4485 4495	4478 4482 4486 4496	DKOT DKOT DKOT DKOT	B892
21N 8W 24	45	USGS	5	F	400	451	FRLD	S057
22N 3W 29	43	TESORO PET	2 PARLAY	S	4263	4318	CLFH	B394
22N 3W 29	43	TENNECO OIL	1-A PARLEY	S	4208 4261 4283	4211 4267 4285	MENF MENF MENF	B468
22N 5W 8	43	APACHE CORP	1-8 JAIR	S	2811 4016	2827 4075	LWIS MENF	B405
22N 6W 10	43	SUN OIL	1 EL PASO FEDERAL	S	11303 11493	11493 11712	DRCK AKAH	B391
22N 6W 12	43	TESORO PET	1 DOUBLE OUGHT	S	4053	4084	MENF	B416
22N 6W 19	43	DOME PET LTD	1 FEDERAL 19-22-6	S	1741	1859	CHCR	B296

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22N 7W 15	43	DOME PET LTD	1 FEDERAL 15-22-7	S	1660	1777	CHCR	B292
22N 7W 20	43	DOME PET LTD	1 NAVAJO 20-22-7	S	1450	1570	CHCR	B293
22N 8W 5	45	KENNEDY C C	1 BEARD	S	1340 1520	1479 1555	CHCR CHCR	A926
22N 8W 27	45	USGS	7	F	374	449	FRLD	S059
22N 9W 27	45	USGS	8	F	282	320	FRLD	S060
23N 9W 12	45	SUN OIL	1 AH-DES-PI-AH-NAVAJO	S	10570 10705 10873	10705 10873 10988	ISMY DRCK AKAH	B373
23N 11W 26	45	SHELL OIL CO	2 GOVERNMENT MEYER	S	3862 3993 4010	3969 3999 4015	GLLP GLLP GLLP	A818
23N 12W 34	45	SOUTHLAND ROYALTY CO	1 TSAYA	S	4591	4649	DKOT	B297
24N 2W 17	39	MCHUGH JEROME P	1 DI'S DELIGHT	F	3022	3090	PCCF	S942
24N 3W 32	39	ODESSA NATURAL CORP	3 LITTLE FEDERAL ARCO 32	S	7275 7289 7390	7276 7319 7410	DKOT DKOT DKOT	B220
24N 3W 33	39	ODESSA NATURAL CORP	3 SHIPLEY	S	3824	3942	PCCF	S061
24N 4W 1	39	COTTON PET	113 APACHE	F	7385 7395	7387 7454	DKOT DKOT	S434
24N 8W 25	45	MESA PETROLEUM CO	25-1 S BLANCO NAVAJO	S	5370 5497	5415 5616	GLLP GLLP	B740

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24N 8W 25	45	MESA PETROLEUM CO	25-5 S BLANCO FEDERAL	S	5312 5445 5505	5371 5467 5566	GLLP GLLP GLLP	B996
24N 8W 26	45	MESA PETROLEUM CO	26-7 SOUTH BLANCO FEDERAL	S	5445	5490	GLLP	C266
24N 10W 5	45	TENNECO OIL	1 DRY CREEK	S	5145 6044	5157 6103	GLLP DKOT	B422
24N 10W 16	45	TENNECO OIL	2 MONUMENT	S	5948	6004	DKOT	B353
24N 11W 2	45	TENNECO OIL	1 MONUMENT	S	5874	5938	DKOT	B413
24N 11W 5	45	TENNECO OIL	3 MONUMENT	S	5460	5510	DKOT	B360
25N 5W 3	39	AMOCO	146-34 JICARILLA	S	5153	5275	MVRD	R661
25N 5W 5	39	PAN AMERICAN PET	4 JICARILLA 147	S	7090	7145	GRRS	A611
25N 10W 6	45	TENNECO OIL	1 HANSON	S	6308 6328	6327 6370	GRNR DKOT	B336
25N 10W 26	45	TENNECO OIL	1 MOUNTVIEW 26D	S	6228	6311	DKOT	B351
25N 11W 3	45	TENNECO OIL	1 E-NE-PAH	S	5800 5880	5837 5939	GRRS DKOT	B401
25N 11W 4	45	TENNECO OIL	1 GALLEGOS CANYON FEDERAL	S	5936	5988	DKOT	B361
25N 11W 4	45	TENNECO OIL	1 NOCKI	S	5924	5972	GRRS	B396

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25N 11W 5	45	TENNECO OIL	4 CANYON	S	1262 5802	1300 5860	PCCF DKOT	B436
25N 11W 14	45	TENNECO OIL	8 CANYON	S	5954	6008	DKOT	B446
25N 11W 25	45	TENNECO OIL	17 CANYON	S	6010	6101	DKOT	B451
25N 11W 26	45	TENNECO OIL	14 CANYON	S	5865	5915	DKOT	B402
26N 5W 32	39	AMOCO	155 A-1 JICARILLA	S	5247	5368	MVRD	R670
26N 11W 34	45	TENNECO OIL	7 GALLEGOS	S	2190	2224	MVRD	B350
26N 12W 16	45	TENNECO OIL	1 CHACO PLANT	S	1247 1271	1261 1283	PCCF PCCF	B349
26N 12W 25	45	TENNECO OIL	1 ARROYO COM	S	5826	5878	DKOT	B420
26N 19W 5	45	ASHLAND OIL INC	2 NAVAJO 5	S	5736 6018 6072	5754 6037 6095	BKCK LDVL LDVL	A488
27N 12W 16	45	PATRICK PET CO	1 STP-STATE	S	5892 5935	5912 5995	DKOT DKOT	B337
27N 12W 17	45	PATRICK PET CO	1-17 STP FEDERAL	S	5853	5913	DKOT	B341
27N 19W 8	45	BASS ENTERPRISES	8-1 NAVAJO	S	6544	6628	BKCK	B319
27N 19W 20	45	BASS ENTERPRISES	20-1 NAVAJO	S	5570	5622	BKCK	D302
28N 12W 27	45	ENERGY RESERVE GROUP	271 GALLEGOS CANYON UNIT	F	1462	1601	PCCF	R683

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28N 12W 32	45	PAN AMERICAN PET	190 GALLEGOS CANYON	S	5740 5800	5800 5856	GRRS DKOT	A797
29N 4W 36	39	EL PASO NATURAL GAS	3 GASBUGGY	S	2941 3508 3575 3630 3800 3908 3939 4185 4319 4392 4501 4541 4680 4770	2967 3538 3630 3789 3908 3930 4185 4266 4335 4474 4520 4600 4692 4807	TRTR OJAM OJAM KRLD FRLD PCCF PCCF LWIS LWIS LWIS LWIS LWIS LWIS LWIS	C590
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	UNKN OJAM KRLD FRLD PCCF FRLD PCCF LWIS	C588
29N 12W 31	45	ENERGY RESERVE GROUP	322 GALLEGOS CANYON	F	1350 1408	1408 1424	FRLD PCCF	S944
29N 12W 33	45	PAN AMERICAN PET	195 GALLEGOS CANYON	S	5830 5907	5907 5966	GRRS DKOT	A884
31N 6W 18	45	EL PASO NATURAL GAS	32-9 SAN JUAN	F	2388	2391	PCCF	R370

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31N 17W 10	45	SOLAR PETROLEUM	151 NAVAJO-F	S	917	947	GLLP	B867
12S 32E 1	25	TENNECO OIL	2 SUNSHINE	F	9248	9267	UNKN	S125
17S 34E 35	25	PHILLIPS PET CO	3 HALE	S	4124	4552	UINT	A756
17S 35E 21	25	PHILLIPS PET CO	9 SANTE FE	S	4368	4642	UNKN	A753
17S 35E 29	25	PHILLIPS PET CO	8 WOOLWORTH	S	1259	3565	UNKN	B014
17S 35E 29	25	PHILLIPS PET CO	6 SANTE FE	S	4317	4505	UNKN	B013
17S 35E 30	25	PHILLIPS PET CO	73 SANTA FE	S	8962	8993	UNKN	A764
17S 35E 33	25	PHILLIPS PET CO	92 SANTE FE	S	6080 6113	6113 6226	MNCS MNCS	A754
17S 35E 35	25	PHILLIPS PET CO	59 SANTA FE	S	?	?	UNKN	A755
26S 37E 11	25	TENNECO OIL	6 FEDERAL	S	3391 3415	3394 3418	UNKN UNKN	C070
26S 37E 11	25	TENNECO OIL	2 FEDERAL	S	10932	10979	UNKN	B352
15S 2W 23	51	OVERTHRUST RES	1-23 FEDERAL	S	2315 2410	2360 2475	GLLP GLLP	C295
30S 17W 20	23	MARATHON	301720-1 RED HILL PROJECT	F	0	1200	IGNS	S113
30S 17W 29	23	MARATHON	301729-1 RED HILL PROJECT	F	0	1749	IGNS	R507