WFX 9/2/97

724

J.O. EASLEY, INC.

ESTABLISHED 1979

P.O. Box 245 88211-0245
119 South Roselawn, Suite 302
Artesia, New Mexico 88210

Telephone (505) 746-1070
Fax (505) 746-1073

August 14, 1997

Mr. David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: C-108
Skelly Waterflood Unit Expansion
Eddy County, New Mexico

Dear Mr. Catanach:

Enclosed is an original and one copy of the C-108 for 2 new injection wells on the Skelly Unit, resulting in the expansion of the Skelly Waterflood Unit approved under Order R-3214.

If you have any questions, please give me a call at 505-624-9677. R-2905

Sincerely,

J. O. EASLEY, INC.

Bonita L. Limpus Jones
Consulting Landman

/bj
Enclosure
cc/enclosure: Mr. Tim W. Gum
New Mexico Oil Conservation Division
811 South 1st Street
Artesia, New Mexico 88210

Mr. Mike Jones
The Wiser Oil Company
P. O. Box 2568
Hobbs, New Mexico 88241

Mr. Matt Eagleston
The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

C-108
APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

III. WELL DATA

The following data sheets describe the 2 Water Injection Wells for which this application is submitted by The Wiser Oil Company.

STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Oil Conservation Div.
2040 Pacheco St.
Santa Fe, NM 87505

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: __X__ Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? __X__Yes ___No

II. OPERATOR: The Wiser Oil Company

ADDRESS: P. O. Box 2568, Hobbs, NM 88241

CONTACT PARTY: Mike Jones PHONE: (505) 392-9797

III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project: __X__Yes ___No
If yes, give the Division order number authorizing the project R-3214 Skelly Unit

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/1 or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Michael R. Burch, CPL TITLE: Agent

SIGNATURE: Michael R. Burch DATE: 8-14-97

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, PO Box 2088, Santa Fe, NM 87504-2088 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

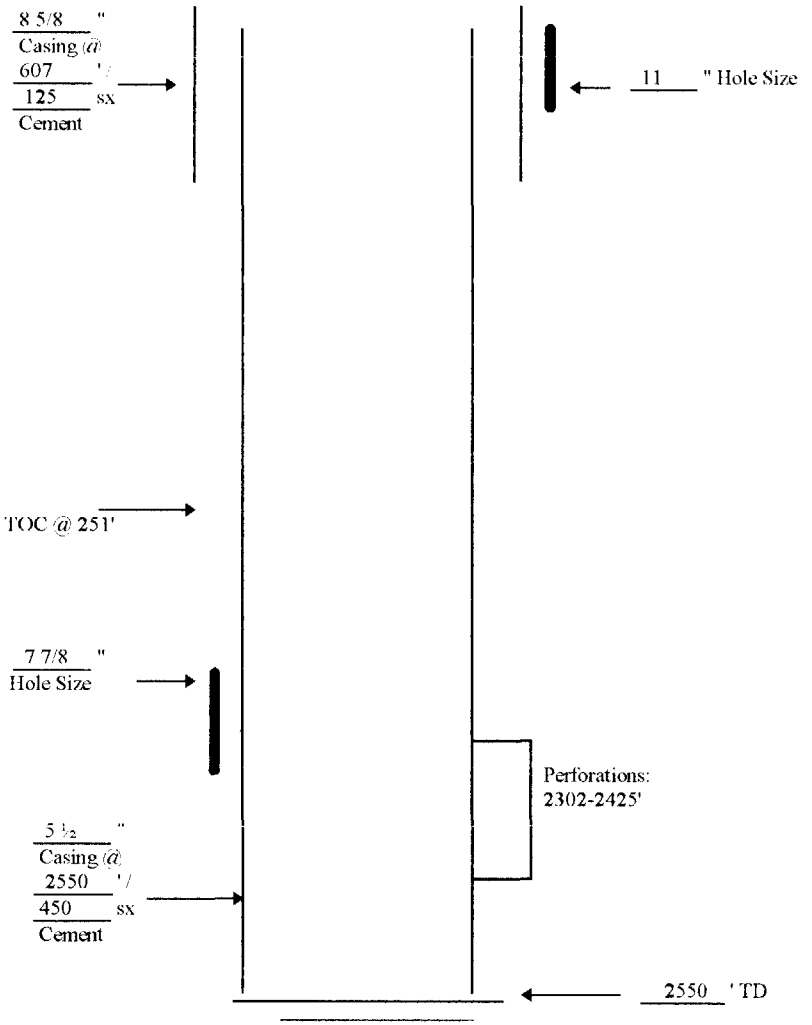
INJECTION WELL DATA SHEET

SU C-108

OPERATOR: The Wiser Oil Company — LEASE: Skelly Unit

WELL NO.: #127 — 560' FSL, 1880' FEL, Unit O (FOOTAGE LOCATION) — 15 (SECTION) — 17S (TOWNSHIP) — 31E (RANGE)

Schematic



Well Construction Data

Surface Casing — Set @ 607 '
Size 8 5/8 " — Cemented with 125 sx.
TOC Surface — feet determined by _____
Hole Size 11 "

Intermediate Casing — Set @ _____ '
Size _____ " — Cemented with _____ sx.
TOC _____ — feet determined by _____
Hole Size _____ "

Long String — Set @ 2550 '
Size 5 ½ " — Cemented with 450 sx.
TOC 251' — feet determined by Calculation
Hole Size 7 7/8 "
Total Depth 2550 '

Injection Interval
_____ feet to _____ feet
(perforated or open-hole; Indicate which)

Tubing Size 2 3/8 " lined with _____ set in a packer at 2438 feet
(type of internal coating)

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? _____ Yes X No
   If no, for what purpose was the well originally drilled?
   Oil Production 10-31-77
   The Wiser Oil Company is deepening & dually completing for WIW
2. Name of the Injection formation 7 Rivers & Graybg-San Andres Vacuum
3. Name of Field or Pool (if applicable) Grayburg Jackson 7-Rivers-QN-GB-SA
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used 2302-2425'
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area. _____

INJECTION WELL DATA SHEET

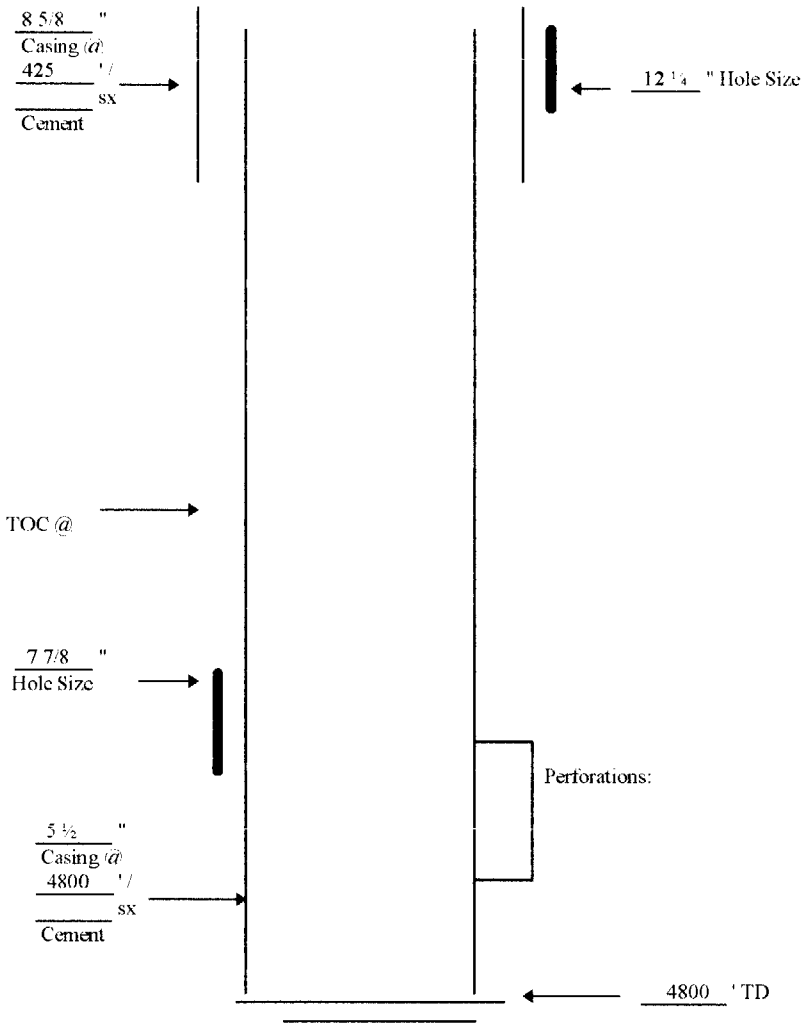
SU C-108

OPERATOR: The Wiser Oil Company LEASE: Skelly Unit

WELL NO.: #302 600' FNL, 583' FWL, Unit D 28 17S 31E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ 425 '
Size 8 5/8 " Cemented with _____ sx.
TOC Surface feet determined by _____
Hole Size 12 ¼ "

Intermediate Casing Set @ _____ '
Size _____ " Cemented with _____ sx.
TOC _____ feet determined by _____
Hole Size _____ "

Long String Set @ 4800 '
Size 5 ½ " Cemented with _____ sx.
TOC _____ feet determined by _____
Hole Size 7 7/8 "
Total Depth 4800 '

Injection Interval
_____ feet to _____ feet
(perforated or open-hole; Indicate which)

Tubing Size _____ " lined with _____ set in a
(type of internal coating)
_____ packer at _____ feet

Other type of tubing / casing seal if applicable _____

Other Data

1. Is this a new well drilled for injection? X Yes _____ No
   If no, for what purpose was the well originally drilled?
   Drilling Pending
2. Name of the Injection formation Grayburg-San Andres Vacuum
3. Name of Field or Pool (if applicable) Grayburg Jackson 7-Rivers-QN-GB-SA
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e., sacks of cement or plug(s) used _____
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area. _____

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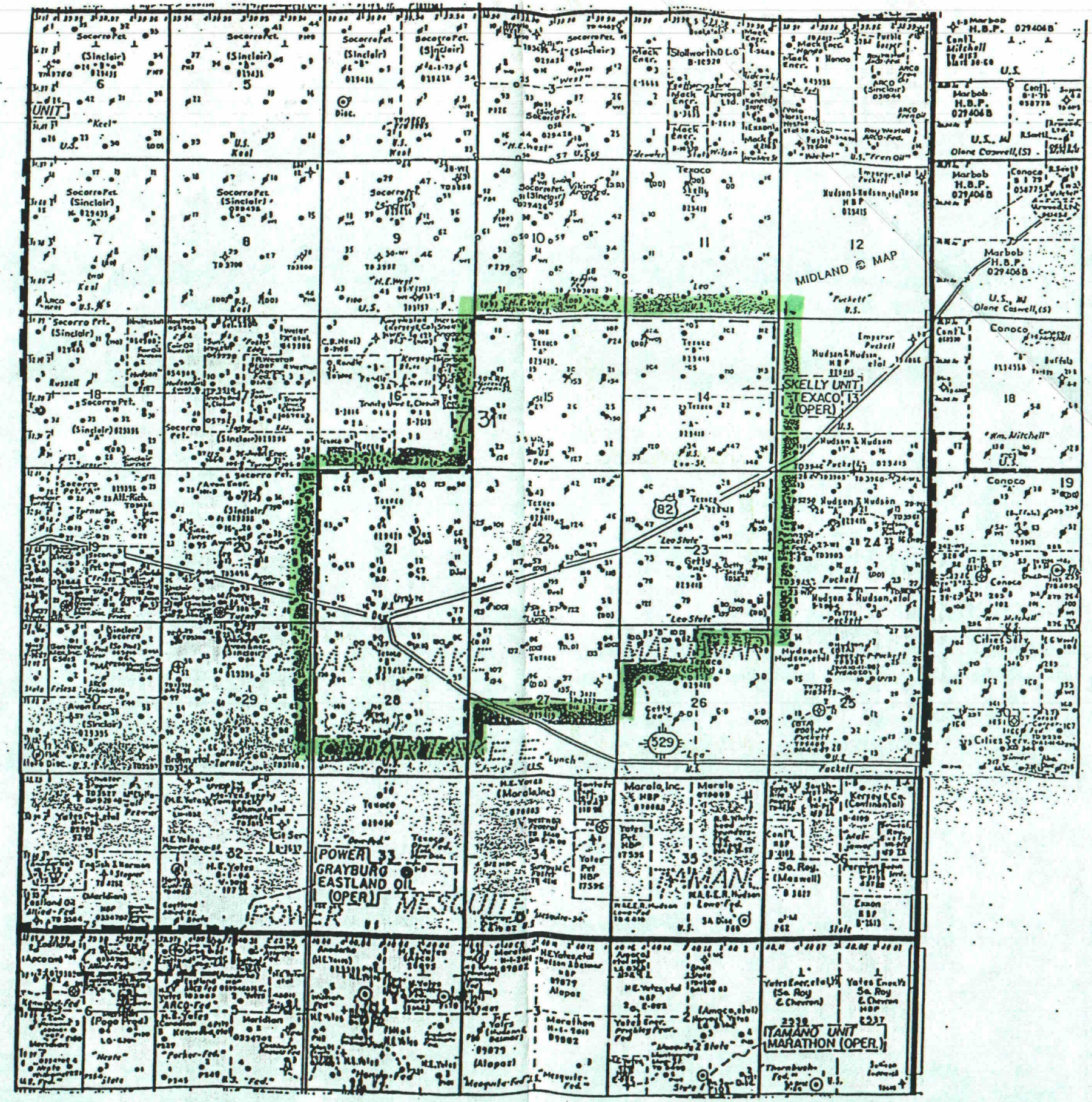
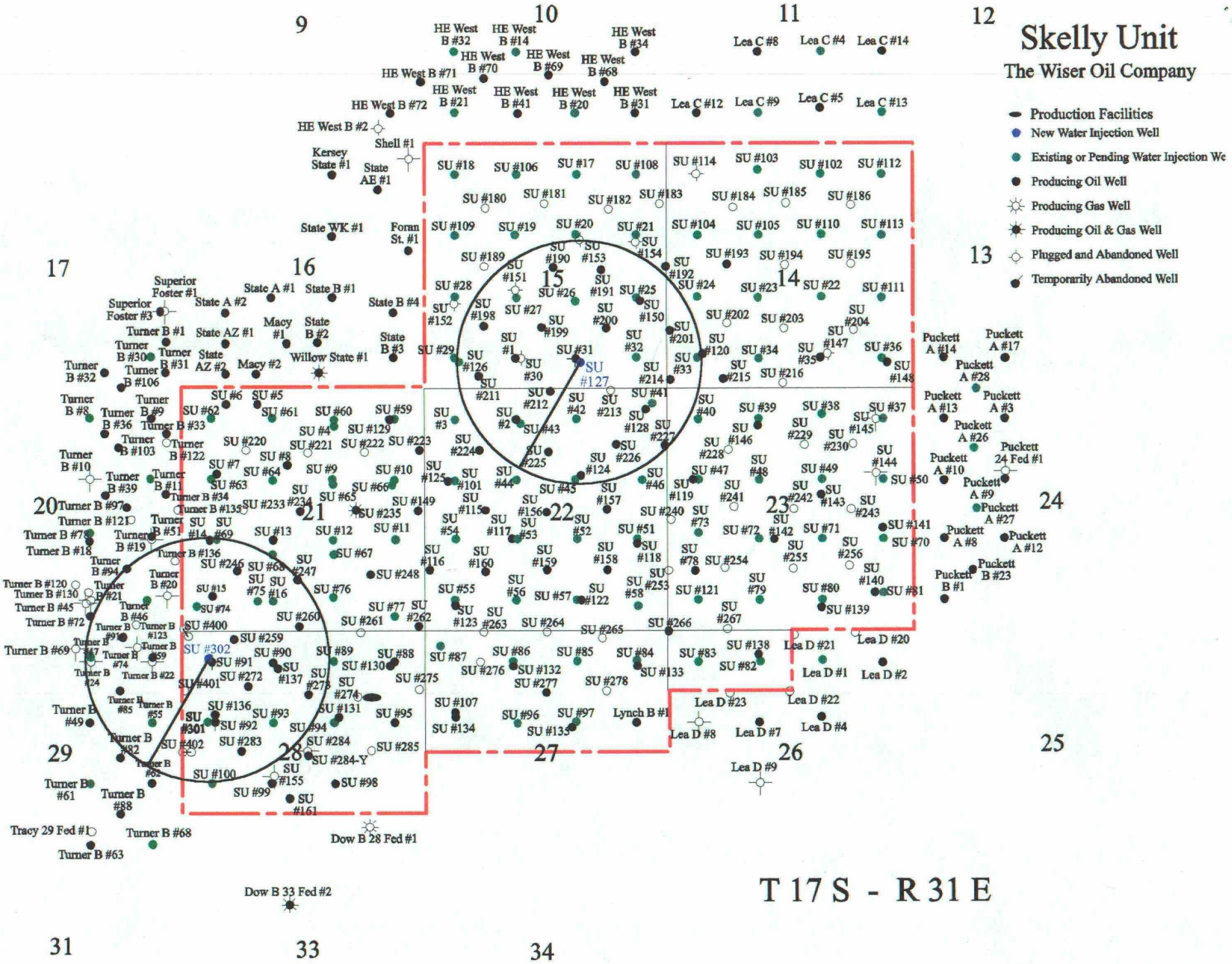
SKELLY UNIT

V. AREA OF REVIEW

The attached maps show all wells and leases within two miles of the proposed injection wells with a one-half mile radius circle drawn around each proposed injection well.

Eddy County, New Mexico




Skelly Unit
The Wiser Oil Company
Production Facilities
New Water Injection Well
Existing or Pending Water Injection We
Producing Oil Well
Producing Gas Well
Producing Oil & Gas Well
Plugged and Abandoned Well
Temporarily Abandoned Well
T 17 S - R 31 E

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APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

VI. HALF MILE WELLS

The following is a table showing data for all wells which penetrate the proposed injection zone and which lie within the area of review.

Immediately following the table are schematics for the 10 wells within the area of review which have been plugged and abandoned as noted on the table.

SU C-108 - HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
Township 17 South, Range 31 East																
SU #33	The Wiser Oil Co.	660' FSL, 660' FWL, Unit M	14	17S	31E	2-1-45	~~O~~ WIW	3840'	- -	8 5/8" 7"	671' 3208'	75 150	OH 3208-3835'	2 3/8" @ 3159'	TOC 1981' (Temp Srvy) Converted to WIW 5-29-97	BLM LC-029418-A
SU #120	The Wiser Oil Co.	760' FSL, 760' FWL, Unit M	14	17S	31E	11-29-77	O	2597'	11" 7 7/8"	8 5/8" 5 ½"	636' 2597'	250 820	2360-2426'	2 3/8" @ 2452'		BLM LC-029418-A
SU #201	The Wiser Oil Co.	1272' FSL, 45' FWL, Unit M	14	17S	31E	10-16-96	O	4050'	12 ¼" 7 7/8"	8 5/8" 5 ½"	439' 4050'	325 1150	3332-3500' 3570-78' 3798-3815'	2 7/8" @ 3868'		BLM LC-029418-A
SU #214	The Wiser Oil Co.	189' FSL, 73' FWL, Unit M	14	17S	31E	7-2-97	O	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	404' 3950'	300 1150	3797-3822' 3532-70' 3300-3508'	2 3/8" @ 3125'		BLM LC-029418-A
SU #153	Texaco Producing Co.	2080' FNL, 1880' FEL, Unit G	15	17S	31E	8-5-78	~~O~~ P&A	2586'	11" 7 7/8"	8 5/8" 5 ½"	631' 2629'	275 650	2331-2454'	2 3/8" @ 2465'	P&A 9-26-90 (See Attached)	BLM LC-029420-A
SU #25	The Wiser Oil Co.	1980' FSL, 660' FEL, Unit I	15	17S	31E	8-12-61	~~O~~ WIW	3659'	10" 8"	8 5/8" 4 ½"	733' 3654'	100 300	3240-3610' 3408-3545'	2 3/8" @ 3533'	Estimated TOC 2541' Converted 4-24-97	BLM LC-029420-A
SU #150	The Wiser Oil Co.	1880' FSL, 560' FEL, Unit I	15	17S	31E	7-31-78	O	2529'	11" 7 7/8"	8 5/8" 5 ½"	615' 2629'	275 500	2337-98' 2403-61'	2 3/8" @ 2518'	Estimated TOC 75'	BLM LC-029420-A
SU #26	The Wiser Oil Co.	1880' FSL, 1980' FEL, Unit J	15	17S	31E	2-24-61	~~O~~ WIW	3764'	10" 8"	8 5/8" 5 ½"	728' 3742'	125 350	3508-3514' 3554-3560' 3570-3580' 3234-3611'	2" @ 3507'	Estimated TOC 2059' Converted to WIW 3-11-68	BLM LC-029420-A
SU #190	The Wiser Oil Co.	2622' FSL, 2465' FEL, Unit J	15	17S	31E	12-31-96	O	4050'	12 ¼' 7 7/8"	8 5/8" 5 ½"	444' 3900'	325 1100	3309-3530' 3544-46'	2 7/8" @ 3585		BLM LC-029420-A
SU #191	The Wiser Oil Co.	2564' FSL, 1415' FEL, Unit J	15	17S	31E	6-9-97	O	3900'	12 ¼' 7 7/8"	8 5/8" 5 ½"	437' 3900'	325 950	3746-3801' 3306-3506'	2 7/8" @ 3819'		BLM LC-029420-A
SU #27	The Wiser Oil Co.	1980' FSL, 1980' FWL, Unit K	15	17S	31E	7-6-61	~~O~~ WIW	3600'	10" 8"	8 5/8" 5 ½"	723' 3491'	100 385	3203-3453' 3268-74' 3309-99' 3400-51' OH 3451-3550'	2 3/8" @ 3175'	Estimated TOC 1640' Converted to WIW 5-8-97	BLM LC-029420-A
SU #151	The Wiser Oil Co.	2130' FSL, 1980' FWL, Unit K	15	17S	31E	6-30-78	~~O~~ P&A	2600'	11" 7 7/8"	8 5/8" 5 ½"	582' 2599'	275 650	2302-95' 2400-24'	2 3/8" @ 2440'	P&A 9-25-90 (See Attached)	BLM LC-029420-A
SU #198	The Wiser Oil Co.	1354' FSL, 1300' FWL, Unit L	15	17S	31E	12-4-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	448' 4000'	325 1150	3225-3485' 3483-85' 3537-70' 3675-3748'	2 7/8" @ 3839'		BLM LC-029420-A

SU C-108 - HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
SU #29	The Wiser Oil Co.	660' FSL, 660' FWL, Unit M	15	17S	31E	12-15-44	~~O~~ WIW	3717'		8 5/8" 7"	639' 3091'	100 100	3091-3717' OH	2 3/8" @ 3634'	TOC 1300' (Temp Srvy) Converted to WIW 3-19-97	BLM LC- 029420-A
SU #126	The Wiser Oil Co.	560' FSL, 760' FWL, Unit M	15	17S	31E	11-9-77	O	2539'	11" 7 7/8"	8 5/8" 5 ½"	575' 2539'	125 200	2222-2366'	2 3/8" @ 2421'	Estimated TOC 1517'	BLM LC- 029420-A
SU #211	The Wiser Oil Co.	259' FSL, 1181' FWL, Unit M	15	17S	31E	12-5-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	436' 4000'	325 1250	3385-3456' 3522-47' 3604-88' 3712-77'	2 7/8" @ 3841'		BLM LC- 029420-A
SU #1	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	15	17S	31E	6-11-54	O	12,098'	15" 12 ¼" 8 ¾"	13 3/8' 9 5/8" 5 ½"	210' 3616' 11,970'	240 2600 1755	11,511-11,519'		Estimated TOC 3772' Pending conversion to WIW	BLM LC- 029420-A
SU #30	The Wiser Oil Co.	650' FSL, 2087' FWL, Unit N	15	17S	31E	5-22-66	~~O~~ ~~WIW~~ P&A	3900'	11" 7 7/8"	8 5/8" 5 ½"	533' 3900'	350 250	3508-3782' 3162-3448'	2 3/8" @ 3816'	TOC 2695' Converted to WIW 3-11-68 P&A 7-16-96 (See Attached)	BLM LC- 029420-A
SU #199	The Wiser Oil Co.	1310' FSL, 2546' FWL, Unit N	15	17S	31E	11-12-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	438' 4000'	325 1150	3268-3491' 3493-3505' 3725-63'	2 7/8" @ 3804'		BLM LC- 029420-A
SU #31	The Wiser Oil Co.	660' FSL, 1980' FEL, Unit O	15	17S	31E	Pre 1950	O	3800'		10 ¾" 8 5/8"	668' 3247'	50 ?	3194'-3219'	2 3/8" @ 3676'	TOC 1750' (Temp Srvy) P&A Pending	BLM LC- 029420-A
SU #32	The Wiser Oil Co.	660' FSL, 660' FEL, Unit P	15	17S	31E	10-27-61	~~O~~ WIW	3811'	10" 6"	8 5/8" 5 ½"	725' 3808'	100 385	3521-3528' 3531-3546' 3585-3587' 3613-3615' 3231-3771'	2" @ 3492'	Converted to WIW 3-13-68	BLM LC- 029420-A
SU #200	The Wiser Oil Co.	1294' FSL, 1295' FEL, Unit P	15	17S	31E	12-20-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	440' 4000'	325 1150	3299-3501' 3537-50' 3768-94'	2 7/8" @ 3891'		BLM LC- 029420-A
Turner "B" #94	Avon Energy Corp.	1350' FSL, 1200' FEL, Unit I	20	17S	31E	3-7-91	O	3870'	14 ¾" 11" 7 7/8"	11 ¾" 8 5/8" 5 ½"	362' 1407' 3807'	465 600 1100	3614-3607' 3233-3116' 3003-2942' 3256' 3044-3041'	2 7/8" @ 3669'		BLM LC- 029395-B
Turner "B" #136	Devon Energy Corporation	1521' FSL, 146' FEL, Unit I	20	17S	31E	Pending	O		12 ¼" 7 7/8"	8 5/8" 5 ½"	425' 4200'				Drilling pending	BLM LC-029395-B
Turner "B" #72	Avon Energy Corp.	330' FSL, 1980' FEL, Unit O	20	17S	31E	10-13-60	O	7233'		8 5/8" 4 ½"	1600' 7233'	600 1300	7152-7156' 3162-3286'	2 3/8" @ 5000'		BLM LC- 029395-B
Turner "B" #20	Socorro Petr. Co.	760' FSL, 330' FEL, Unit P	20	17S	31E	11-23-45	~~O~~ P&A	2184'		8 5/8" 7"	568' 2075'	50 100		2 7/8" @ 2000'	Estimated TOC 1400' P&A 6-21-86 (See Attached)	BLM LC- 029395-B

SU C-108 - HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
Turner "B" #46	Avon Energy Corp.	660' FSL, 760' FEL, Unit P	20	17S	31E	6-26-56	~~O~~ WIW	3449'	- 7 7/8" (Est)	8 5/8" 5 ½"	530' 3449'	50 225	3208-3226' 3306-3316'	2 3/8" @ 2966'	Estimated TOC 2300' Converted to WIW 3-11-69	BLM LC- 029395-B
Turner "B" #123	Devon Energy Operating Corporation	135' FSL, 1000' FEL, Unit P	20	17S	31E	Pending	O								Drilling is pending	BLM LC- 029395-B
SU #68	The Wiser Oil Co.	1650' FSL, 1980' FWL, Unit K	21	17S	31E	11-24-57	~~O~~ WIW	3511'	10" 8"	8 5/8" 7"	660' 3248'	150 290	3044-3200' 3155-70' 3234-99' 3300-98' 3401-19'	2 3/8" @ 3086'	Estimated TOC 111' Converted to WIW 7-25-97	BLM NM-98122
SU #14	The Wiser Oil Co.	1980' FSL, 660' FWL, Unit L	21	17S	31E	2-15-45	O	2139'	11 ¼" 9 ¼"	10 ¾" 8 5/8"	600' 2090'	100 150	2118-2135'			BLM NM-98122
SU #69	The Wiser Oil Co.	1980' FSL, 760' FWL, Unit L	21	17S	31E	10-15-57	~~O~~ WIW	3612'	10" 8"	8 5/8" 7"	640' 3130'	160 275	3130-3230' Open Hole 3263-3540' 2938-3238'	2 3/8" @ 2893'	Estimated TOC 155' Converted to WIW 4-13-71	BLM NM-98122
SU #15	The Wiser Oil Co.	760' FSL, 660' FWL, Unit M	21	17S	31E	7-8-46	O	2210'	12 ¼" 9 ¼"	10 ¾" 8 5/8"	639' 2142'	100 100	2165-2205'		Estimated TOC 690'	BLM NM-98122
SU #74	The Wiser Oil Co.	530' FSL, 330' FWL, Unit M	21	17S	31E	4-4-57	~~O~~ WIW	3900'	10" 8"	8 5/8" 7"	652' 3225'	155 200	3028-98' 3114-77' 3223096' 3303-60' 3406-31'	2 3/8" @ 3340'	Estimated TOC 1062' Converted to WIW 7-16-97	BLM NM-98122
SU #246	The Wiser Oil Co.	1306' FSL, 1216' FWL, Unit M	21	17S	31E	11-18-96	O	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	451' 3950'	325 1450	3227-3380' 3425-33' 3590-3660' 3707-61'	2 7/8" @ 3853'		BLM NM-98122
SU #400	The Wiser Oil Co.	10' FSL, 10' FWL, Unit M (Bottom Hole)	21	17S	31E	Pending	O								Drilling Pending	BLM LC-029420-B
SU #16	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	21	17S	31E	6-5-47	~~O~~ WIW	2242'	12 ¼" 9 ¼"	10 ¾" 8 5/8"	651' 2181'	100 175	2197-2245'	2 3/8" @ 2146'	Converted to WIW 7-3-74	BLM NM-98122
SU #75	The Wiser Oil Co.	660' FSL, 1650' FWL, Unit N	21	17S	31E	6-30-57	~~O~~ WIW	3350'	10" 8"	8 5/8" 7"	663' 3286'	150 275	3446-3560' 3085-3199'		Estimated TOC 311' Converted to WIW 8-2-68	BLM NM-98122
SU #247	The Wiser Oil Co.	1110' FSL, 2515' FWL, Unit N	21	17S	31E	6-1-96	O	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	485' 3950'	325 1750	3285-3439' 3486-3550' 3706-20'	2 7/8" @ 3202'		BLM NM-98122
SU #260	The Wiser Oil Co.	105' FSL, 2540' FWL, Unit N	21	17S	31E	6-3-96	O	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	494' 3950'	325 1150	3338-3508'			BLM NM-98122

SU C-108 - HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
SU #41	The Wiser Oil Co.	330' FNL, 330' FEL, Unit A	22	17S	31E	Pre 1944	~~O~~ WIW	3823'		7" 4 ½"	? 3823'	? 650	3200-3800'	2 3/8" @ 3650'	Converted 4-24-97	BLM LC-029419-A
SU #128	The Wiser Oil Co.	450' FNL, 450' FEL, Unit A	22	17S	31E	12-24-77	O	2550'	11" 7 7/8"	8 5/8" 5 ½"	616' 2550'	275 560	2318-2436'	2 3/8" @ 2480'		BLM LC-029419-A
SU #213	The Wiser Oil Co.	40' FNL, 1220' FEL, Unit A	22	17S	31E	Pending	O								Drilling pending	BLM LC-029419-A
SU #226	The Wiser Oil Co.	1217' FNL, 1117' FEL, Unit A	22	17S	31E	12-16-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	448' 4000'	325 1250	3322-3498' 3519-45' 3758-83'	2 7/8" @ 3861'		BLM LC-029419-A
SU #227	The Wiser Oil Co.	1237' FNL, 41' FEL, Unit A	22	17S	31E	7-2-96	O	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	453' 3950'	325 1150	3337-3514'			BLM LC-029419-A
SU #42	The Wiser Oil Co.	660' FNL, 1980' FEL, Unit B	22	17S	31E	11-13-61	~~O~~ WIW	3794	11" 7 7/8"	8 5/8" 4 ½"	616' 3794'	300 400	3481-3487' 3496-3508' 3514-3526' 3602-3606' 3188-3416'	2" @ 3451'	Estimated TOC 2240' Converted to WIW 4-20-65	BLM LC-029419-A
SU #212	The Wiser Oil Co.	66' FNL, 2546' FEL, Unit B	22	17S	31E	11-9-96	O	4060'	12 ¼" 7 7/8"	8 5/8" 5 ½"	449' 4060'	325 1150	3239-3438' 3475-80' 3761-3815'	2 7/8" @ 3891'		BLM LC-029419-A
SU #2	The Wiser Oil Co.	660' FNL, 1980' FWL, Unit C	22	17S	31E	8-26-44	O	3768' PBTD 2305'		8 5/8" 7"	619' 2102'	100 200	2102-2305'	2 3/8" @ 1874'		BLM LC-029419-A
SU #43	The Wiser Oil Co.	765' FNL, 2058' FWL, Unit C	22	17S	31E	5-25-65	~~O~~ WIW	3757'	11" 7 7/8"	8 5/8" 4 ½"	539' 3757'	250 425	3128-3373' 3451-3461' 3721-3748'	2" @ 3453'	TOC 1885' (Temp Srvy) Converted to WIW 4-17-97	BLM LC-029419-A
SU #45	The Wiser Oil Co.	1980' FNL, 1980' FEL, Unit G	22	17S	31E	2-13-51	~~O~~ WIW	5040'	10" 8"	8 5/8" 5 ½"	603' 3810'	150 350	3181-3455' 3741-3804'	2 3/8" @ 3739'	TOC 1720' (CB Log) Converted to WIW 2-7-97	BLM LC-029419-A
SU #124	The Wiser Oil Co.	1880' FNL, 1880' FEL, Unit G	22	17S	31E	10-25-77	O	2550'	11" 7 7/8"	8 5/8" 5 ½"	615' 2550'	125 470	2150-2229'	2 3/8" @ 2242'	Estimated TOC 149'	BLM LC-029419-A
SU #225	The Wiser Oil Co.	1357' FNL, 2580' FEL, Unit G	22	17S	31E	8-8-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	452' 4000'	325 1150	3290-3410'			BLM LC-029419-A
SU #89	The Wiser Oil Co.	660' FNL, 1980' FEL, Unit B	28	17S	31E	5-21-58	~~O~~ WIW	~~3570'~~ 3670'	10" 8"	8 5/8" 7"	675' 3506'	150 325	3506-3570' Open Hole 3570-3670' 3216-3432'	2 3/8" @ 3496'	Converted to WIW 8-2-68	BLM NM-98122

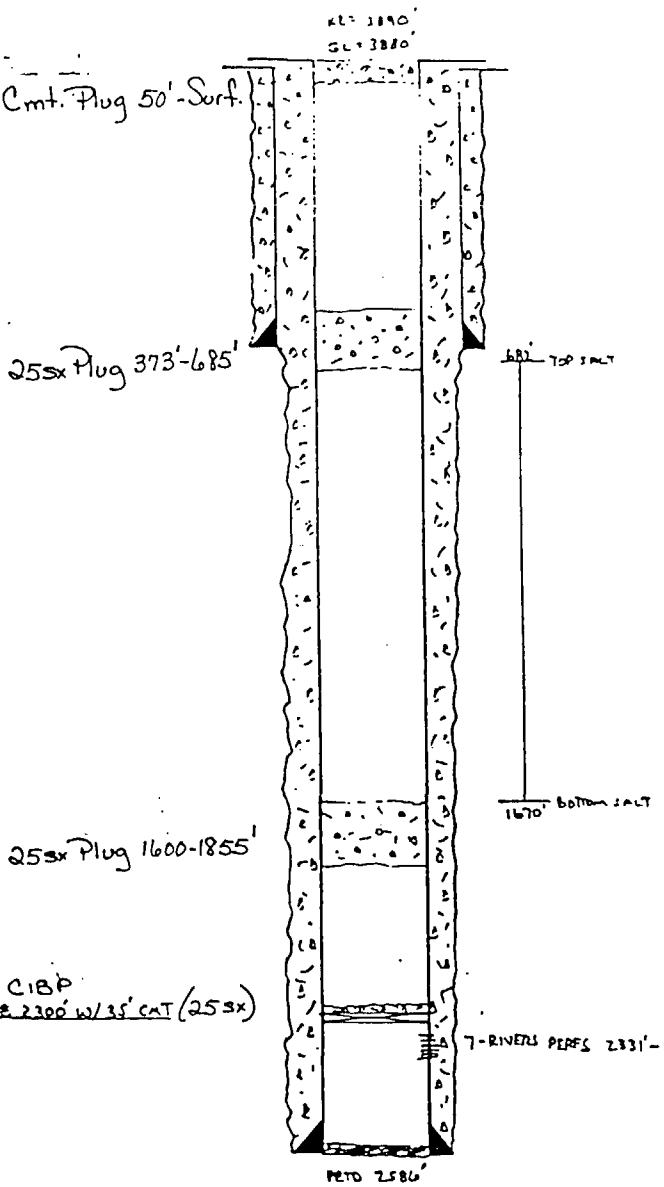
SU C-108 - HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
SU #90	The Wiser Oil Co.	680' FNL, 1980' FWL, Unit C	28	17S	31E	1-20-58	O	3632'	10" 8"	8 5/8" 7"	653' 3484'	150 335	3175-3390'	2 3/8" @ 3537'	SI	BLM NM-98122
SU #137	The Wiser Oil Co.	810' FNL, 2080' FWL, Unit C	28	17S	31E	6-11-78	O	2550'	11" 7 7/8"	8 5/8" 5 ½"	575' 2550'	250 825	2240-2320'	2 3/8" @ 2362'		BLM NM-98122
SU #272	The Wiser Oil Co.	1213' FNL, 1428' FWL, Unit C	28	17S	31E	11-5-96	O	3987'	12 ¼" 7 7/8"	8 5/8" 5 ½"	439' 3987'	325 1150	3398-3512'	2 7/8" @ 3574'		BLM NM-98122
SU #91	The Wiser Oil Co.	660' FNL, 660' FWL, Unit D	28	17S	31E	11-16-46	~~O~~ P&A	3724'	12 ¼" 8 ¼"	10 ¾" 7"	650' 3025'	100 150	2193-2245' 3343-65' 3487-3525'		TOC 1360' (Temp Srvy) P&A 5-12-90 (See Attached)	BLM NM-98122
SU #259	The Wiser Oil Co.	142' FNL, 1102' FWL, Unit D	28	17S	31E	11-6-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	446' 4000'	325 1250	3336-3443' 3507-35'	2 7/8" @ 3610'		BLM NM-98122
SU #401	The Wiser Oil Co.	1300' FNL, 60' FWL, Unit D	28	17S	31E	Pending	O								Drilling pending	BLM LC-029420-B
SU #92	The Wiser Oil Co.	1980' FNL, 660' FWL, Unit E	28	17S	31E	12-27-58	~~O~~ P&A	3720'	10" 8"	8 5/8" 5 ½"	686' 3575'	125 320	3193-3535'	2 3/8" @ 3411'2 7/8" @ 2965'	Estimated TOC 2036' P&A 11-28-90 (See Attached)	BLM NM-98122
SU #136	The Wiser Oil Co.	1830' FNL, 660' FWL, Unit E	28	17S	31E	6-19-78	O	2550'	11" 7 7/8"	8 5/8" 5 ½"	625' 2549'	300 1110	2246-2339'	2 3/8" @ 2347'		BLM NM-98122
SU #283	The Wiser Oil Co.	2598' FNL, 1279' FWL, Unit E	28	17S	31E	6-27-97	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	439' 4000'	425 1500	3681-3843' 3431-3586'	2 3/8" @ 3306'		BLM NM-98122
SU #301	The Wiser Oil Co.	1980' FNL, 560' FWL, Unit E	28	17S	31E	7-16-97	WIW	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	448' 3950'	300 1150	3353-3625'	2 3/8" @ 3314'		BLM NM-98122
SU #402	The Wiser Oil Co.	2625' FNL, 10' FWL, Unit E (Bottom Hole)	28	17S	31E	Pending	O								Drilling Pending	BLM LC-029420-B
SU #93	The Wiser Oil Co.	1980' FNL, 1980' FWL, Unit F	28	17S	31E	12-21-59	~~O~~ WIW	3700'		8 5/8" 5 ½"	682' 3609'	95 365	3500-3579'		TOC 1410' (Temp Srvy)	BLM NM-98122
SU #273	The Wiser Oil Co.	1387' FNL, 2529' FEL, Unit G	28	17S	31E	12-30-96	O	3950'	12 ¼" 7 7/8"	8 5/8" 5 ½"	448' 3950'	325 1150	3501-3630' 3666-78' 3747-3832'	2 7/8" @ 3870'		BLM NM-98122
SU #100	The Wiser Oil Co.	1980' FSL, 660' FWL, Unit L	28	17S	31E	12-4-59	~~O~~ P&A	3734'	10" 8"	8 5/8" 5 ½"	707' 3632'	90 370	3522-91'		TOC 1591' (Temp Srvy) P&A 12-17-90 Pending Re-entry & completion as WIW	BLM NM-98122
Turner B #22	Socorro Pet. Co.	660' FNL, 660' FEL, Unit A	29	17S	31E	4-17-46	~~O~~ P&A	2242'		7" 5 ½"	582' 2165'	50 100		2 3/8"	Estimated TOC 700' P&A 12-4-86 (See Attached)	BLM LC-029395-B

SU C-108 - HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
Turner B #59	Avon Energy Corp.	560' FNL, 660' FEL, Unit A	29	17S	31E	2-22-59	O	3486'	- 7 7/8" (Est)	10 ¾" 5 ½"	593' 3486'	100 210	3290-3300' 3310-3314'	2 3/8" @ 3256'	Estimated TOC 2413'	BLM LC- 029395-B
Turner B #74	ARCO O & Gas Co.	330' FNL, 990' FEL, Unit A	29	17S	31E	11-21-60	~~O~~ P&A	7250'	11" 7 7/8"	8 5/8" 4 ½"	1600' 7207'	776 1300	7182-7192' 7076-84' 7098-7102' 7104-7117'	2 3/8" @ 7170'	TOC 1520' by Tmp Svy P&A 12-14-86 (See Attached)	BLM LC- 029395-B
Turner B #91	Avon Energy Corp.	140' FNL, 1270' FEL, Unit A	29	17s	31E	1-25-91	O	3620'	12 ¼" 7 7/8"	8 5/8" 5 ½"	598' 3617'	465 1400	3382-3327' 3296-3205' 3125-3123'	2 7/8" @ 3417'		BLM LC- 029395-B
Turner B #24	Atlantic Richfield Co.	660' FNL, 1979.4 FEL, Unit B	29	17S	31E	6-9-47	~~O~~ P&A	2219'		8 5/8" 7"	532' 2112'	50 100		2" @ 2130'	P&A 3-24-76 (See Attached)	BLM LC- 029395-B
Turner B #47	Avon Energy Corp.	560' FNL, 1980' FEL, Unit B	29	17S	31E	6-6-57	~~O~~ WIW	3450'	- 8" (Est)	10 ¾" 7"	558' 3450'	100 100	3396-3412' 3243-3270' 3290-3366' 3224-3392' 3045-3158'	2" @ 3341'	Estimated TOC 2368' Converted to WIW 3-11-69.	BLM LC- 029395-B
Turner B #85	Avon Energy Corp.	1305' FNL, 1335' FEL, Unit B	29	17S	31E	10-31-90	O	3600'	12 ¼" 7 7/8"	8 5/8" 5 ½"	630' 3597'	465 1000	3180-3187' 3240-3268' 3370-3416' Add 3057-3154'	2 7/8" @ 3451'		BLM LC- 029395-B
Turner B #55	Avon Energy Corp.	1980' FNL, 660' FEL, Unit H	29	17S	31E	10-2-58	~~O~~ WIW	3640'	- 7 7/8" (Est)	10 ¾" 5 ½"	631' 3640'	100 100	3600-3608' 3616-3624'	2 3/8" @ 3566'	Estimated TOC 3129' Converted to WIW 3-11-69	BLM LC- 029395-B

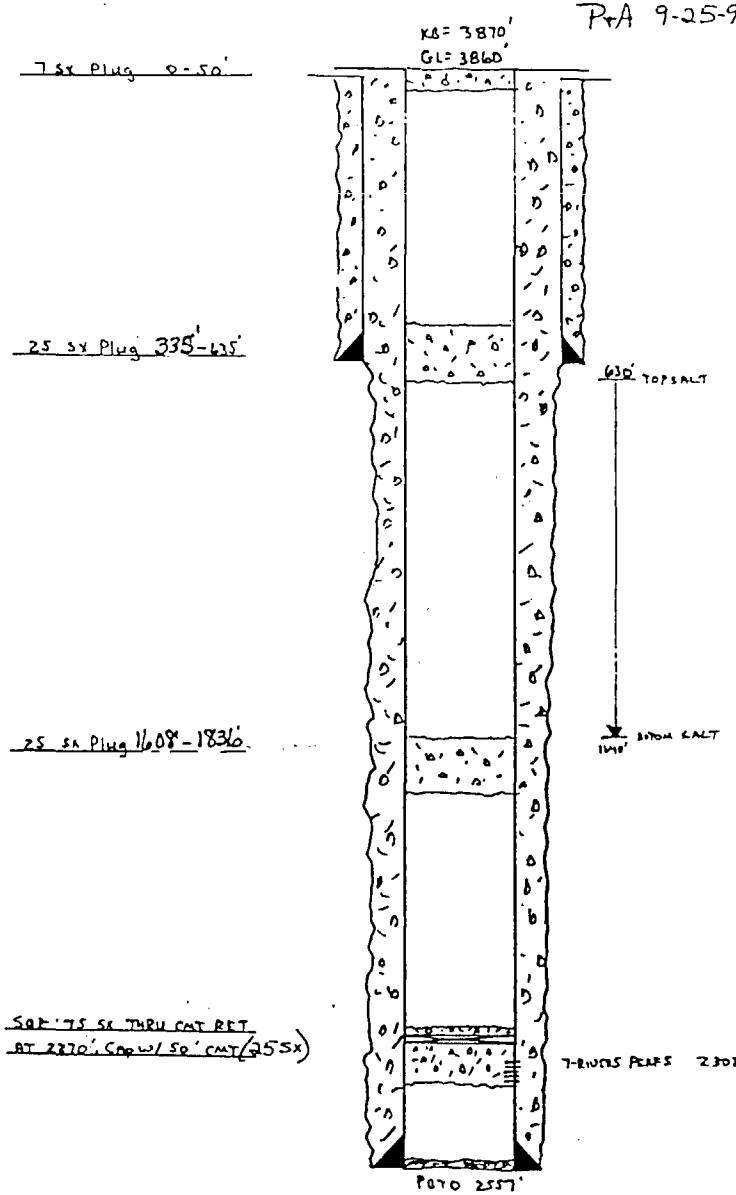
SU #153
P+A 9-26-90



8⅝" 23# SET AT 631' IN 11" Hole w/ 275 sx CMT. CIRC. (K-55)

5½" 14#/15.5# SET AT 2629' IN 7⅞" Hole w/ 1650 sx CMT. CIRC. (K-55)

SU #151
P+A 9-25-90

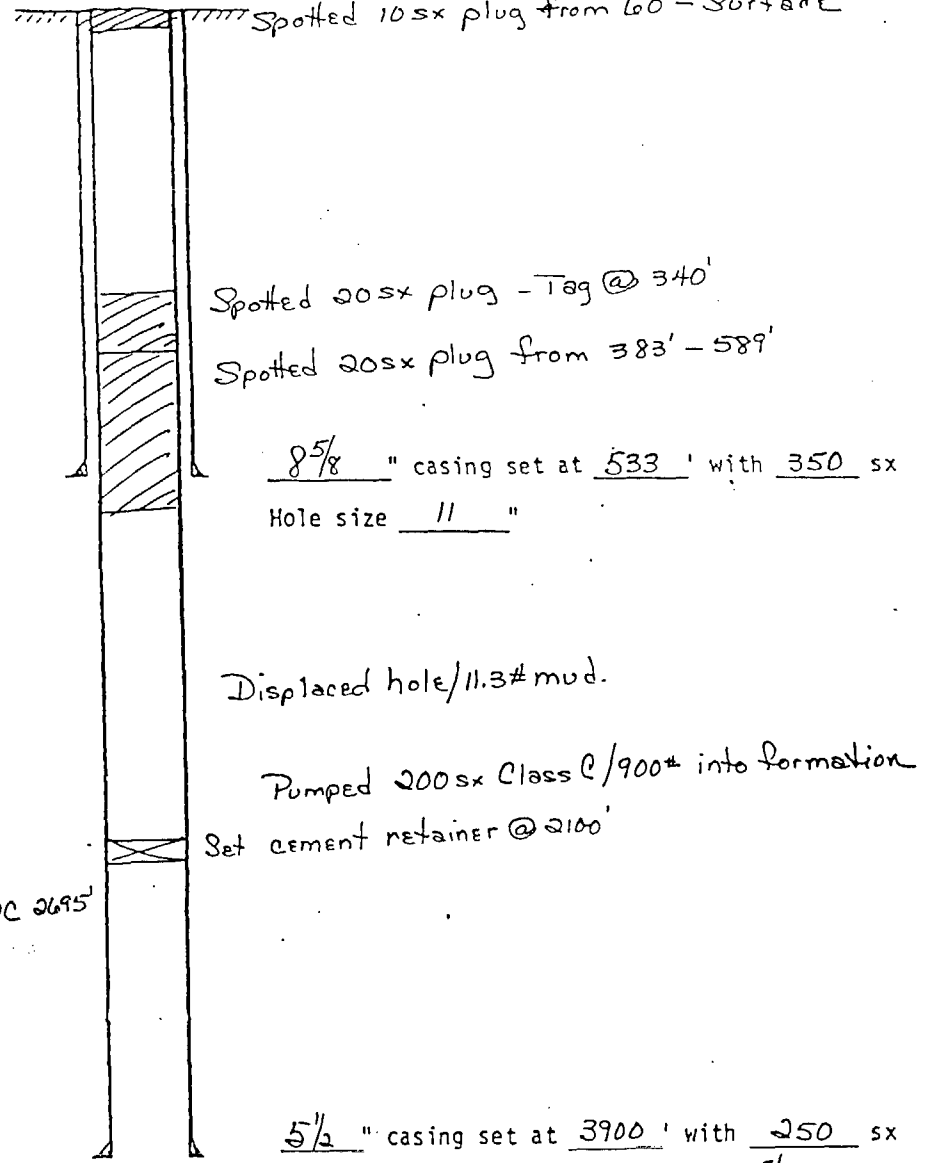


8½" 24# SET AT 582' IN 11" Hole w/ 275 sx CMT. CIRC. (K-55)

5½" 15.5# SET AT 2599' IN 7⅞" Hole w/ 1650 sx CMT. CIRC. (K-55)

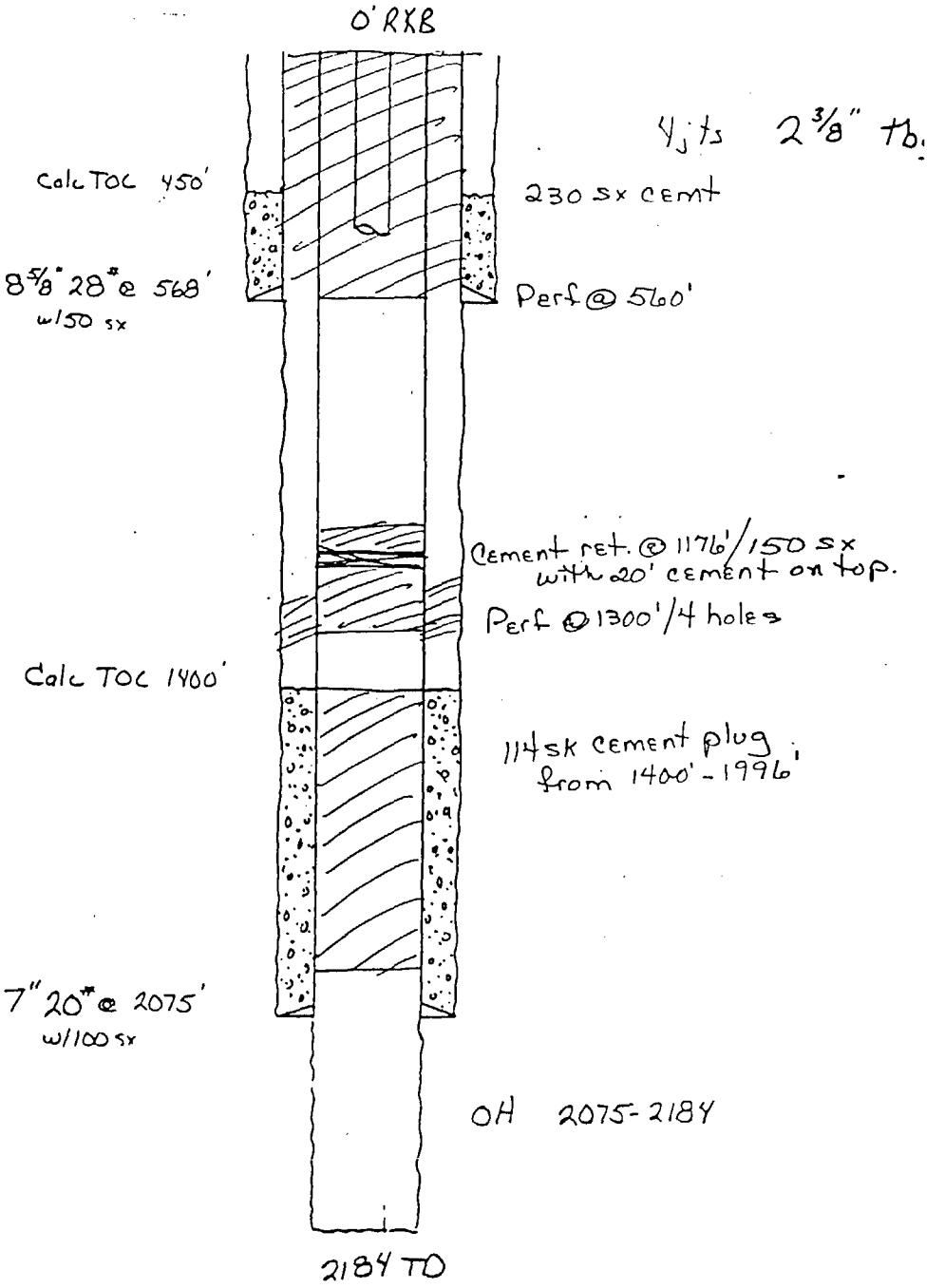
SU | WELL No. 30

P+A 7-16-96

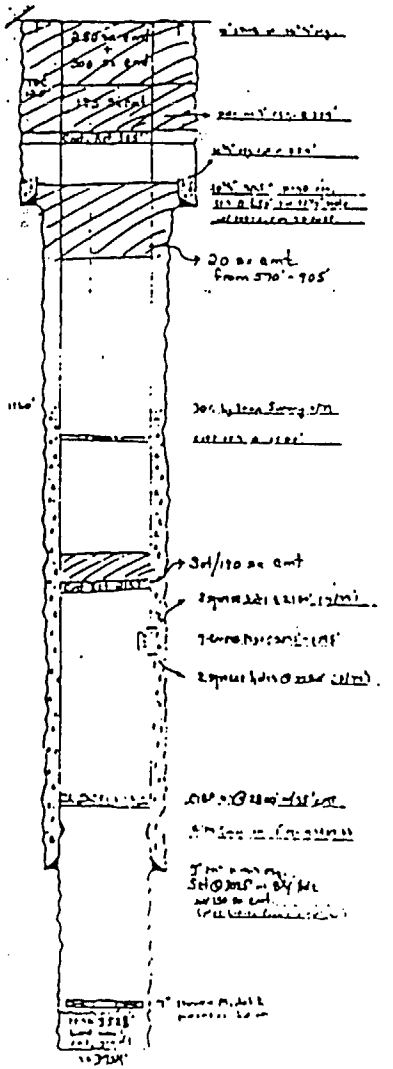


Turner B #20

P+A 6-20-86

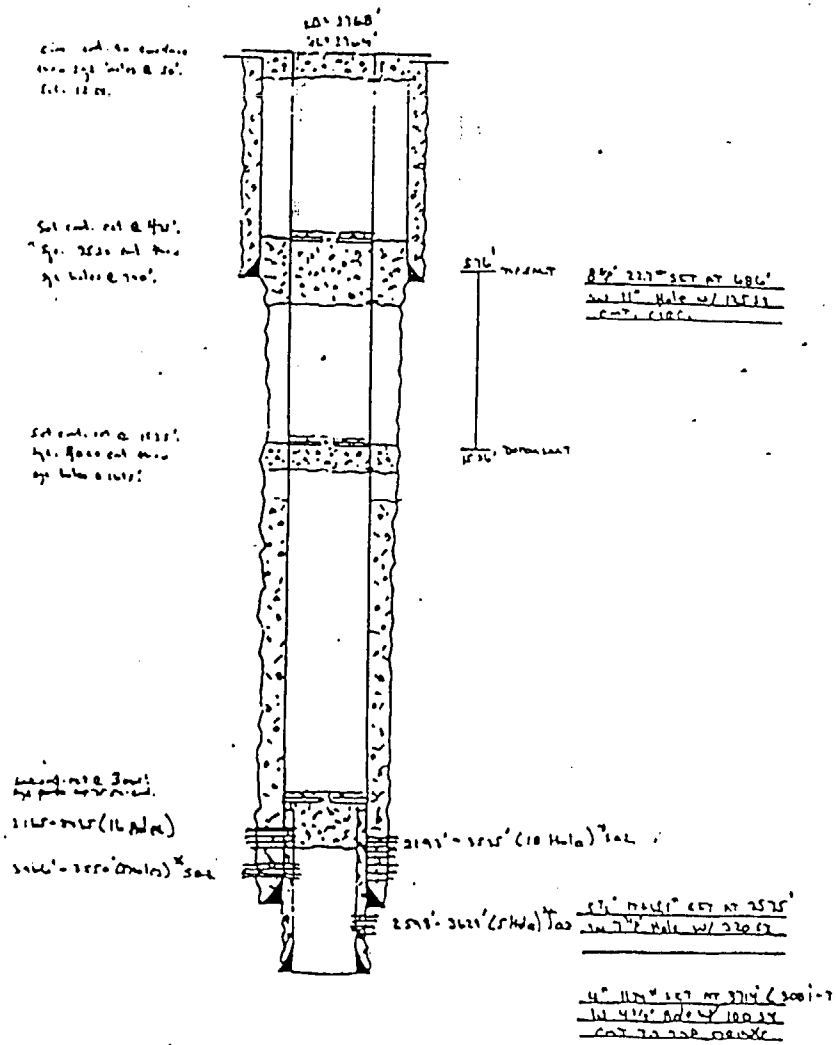


SU #91
P+A 5-12-90

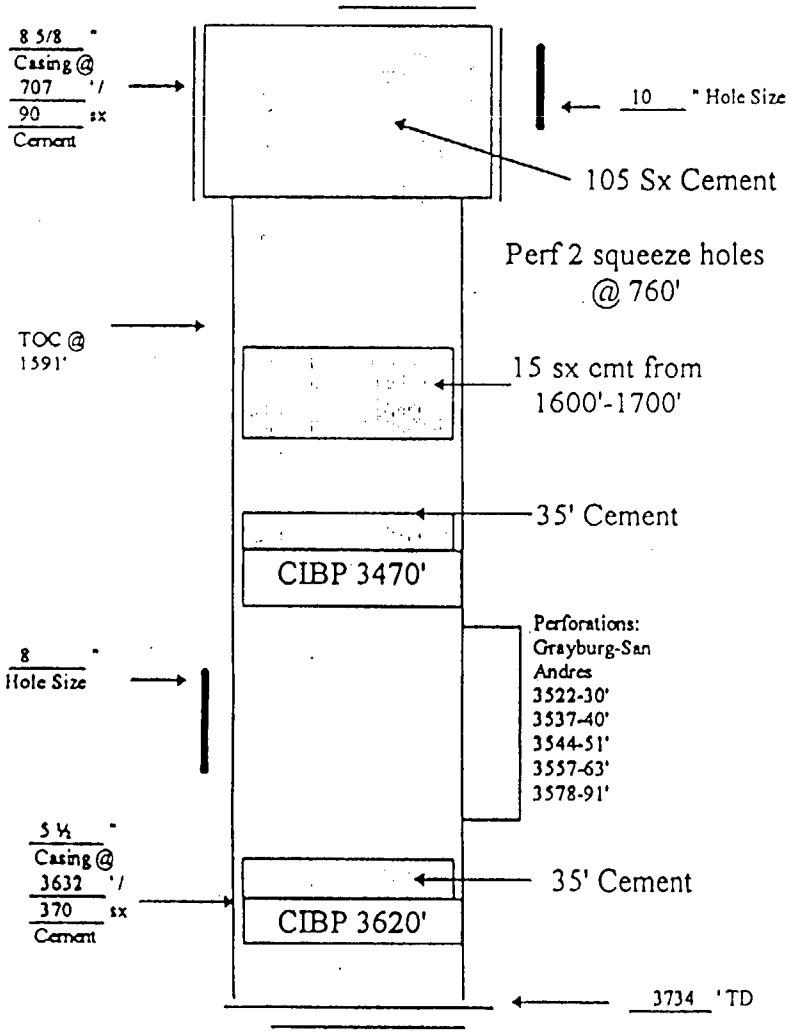


P+A 5-12-90

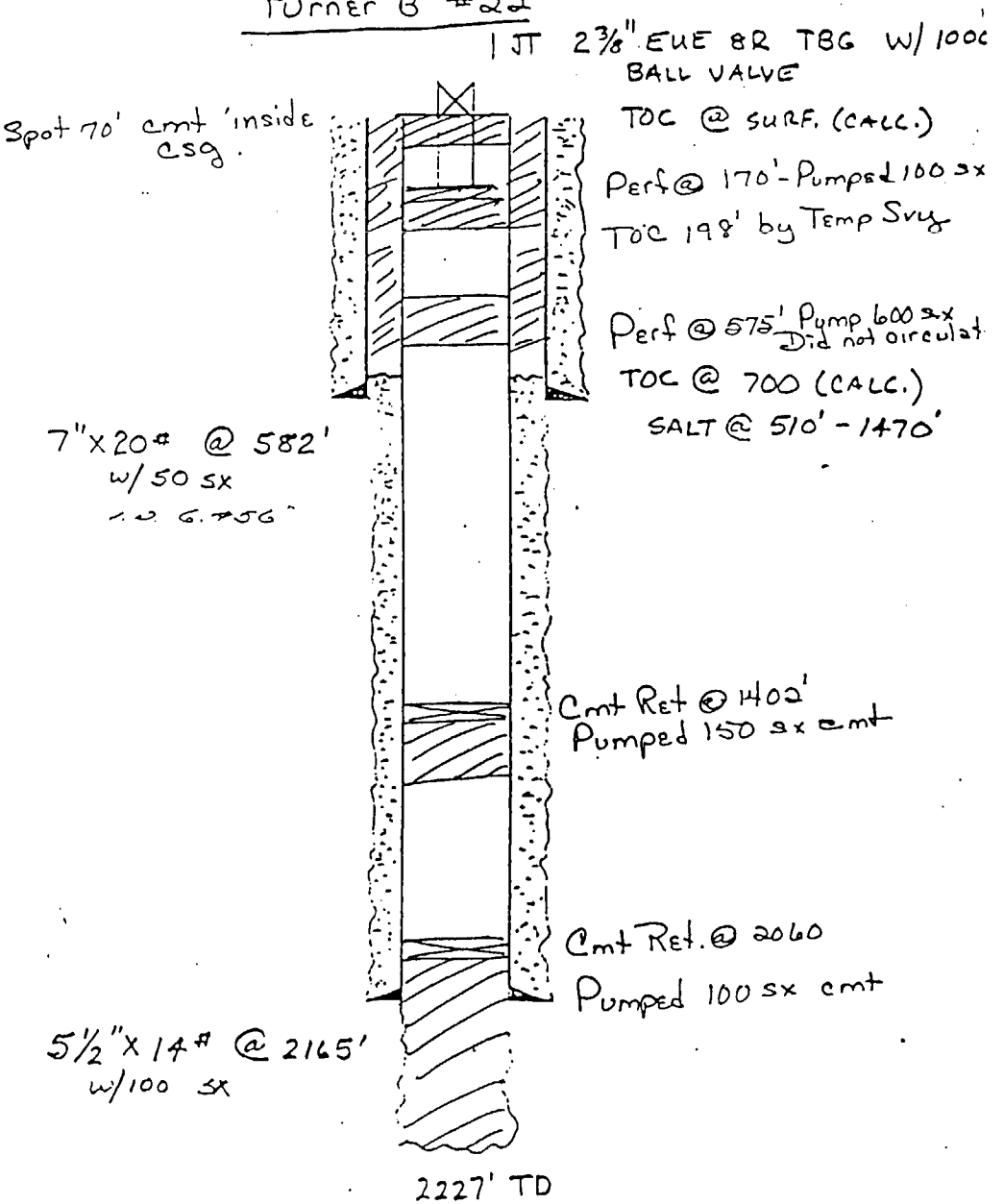
SU #92
P+A 11-28-90



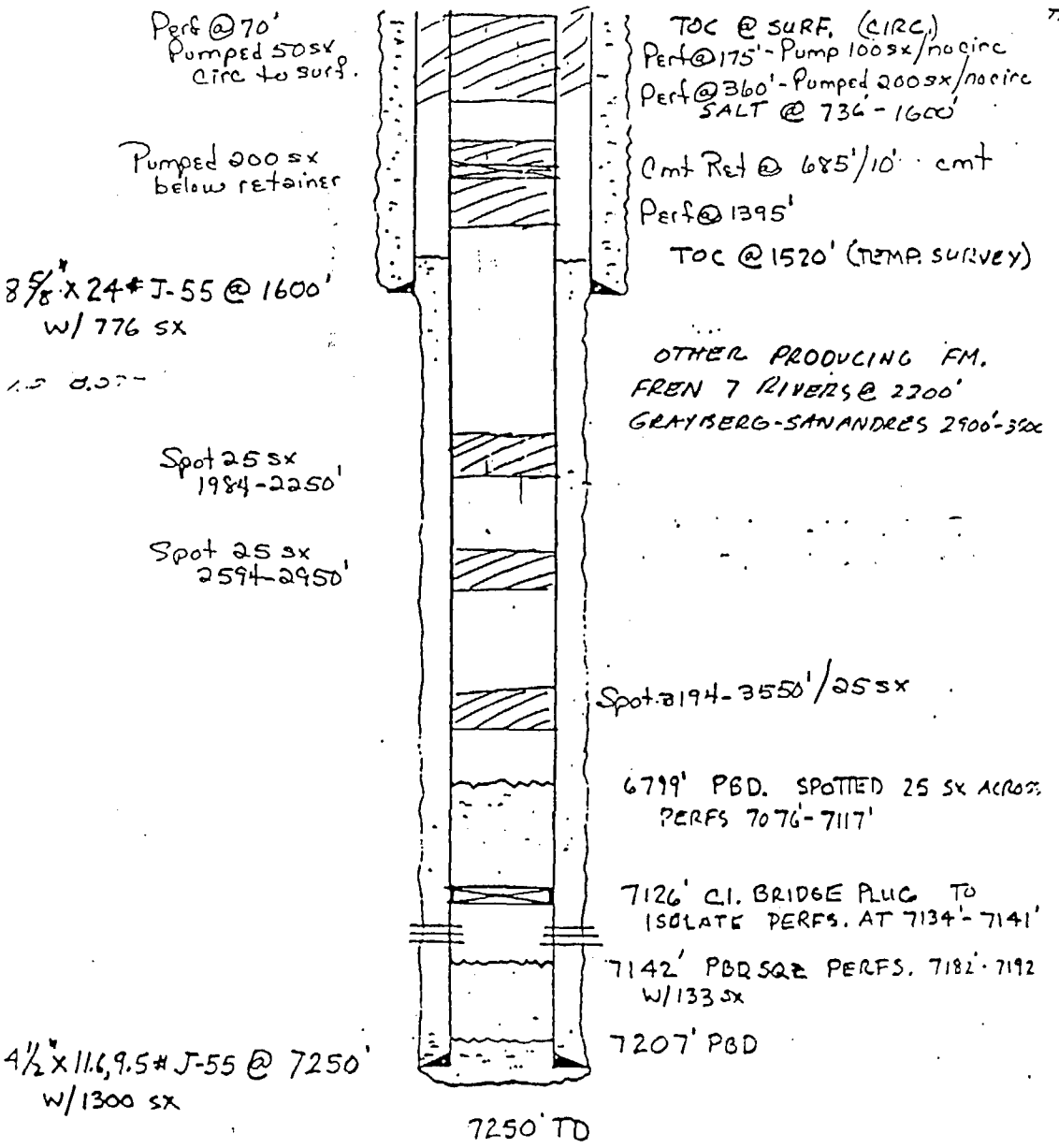
SU #100
P&A 12-17-90



P&A 12-4-86
Turner "B" #22

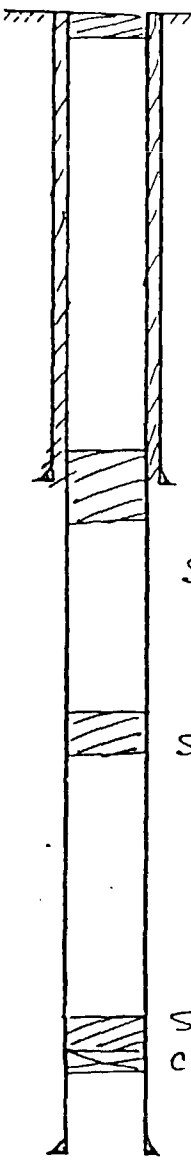


P+A 12-14-86
Turner "B" #74



Turner B | Well No. 74

P+A 3-19-76



Spotted 10 sx cmt @ Surface

8 5/8 " casing set at 532 ' with 50 sx

Hole size _____ "

Spotted 35 sx across 8 5/8 csg shoe + Top of Salt
500-600'

Cut 7" csg @ 909' + pulled.
Spotted 35 sx across 7" csg stub 850-950'

Spotted 10 sx on top CIBP - Top of plug @ 1970'
CIBP @ 2010'

7 " casing set at 2112 ' with 160 sx

Total Depth 2219 ' Hole size _____ "

C-108
APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

VII. PROPOSED OPERATION

1. Average Daily Rate of Fluids to be Injected: 250 BWPD
   Maximum Daily Rate of Fluids to be Injected: 500 BWPD

2. This is to be a closed injection system.

3. Average Injection Pressure: 2000 psi
   Maximum Injection Pressure; 2100 psi

4. Injection fluid will be obtained from the following sources:

   Produced water: Water Analysis Reports on water produced from the Caprock Maljamar Unit are attached as Exhibit VII-A. The data contained therein is representative of water produced across the entire Skelly Unit.

   Extraneous Water: A Water Analysis Report on extraneous water being obtained from Conoco, as prepared by Capitan Chemicals, is attached as Exhibit VII-B.

Exhibit VII-A

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : Wiser Oil Co.
Lease : CMU Battery 'B'
Well No.: Water Transfer Pump
Salesman:

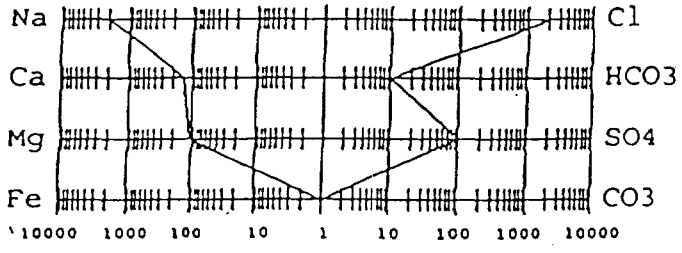
Sample Loc. :
Date Reported: 30-May-1996
Date Sampled : 30-May-1996

ANALYSIS

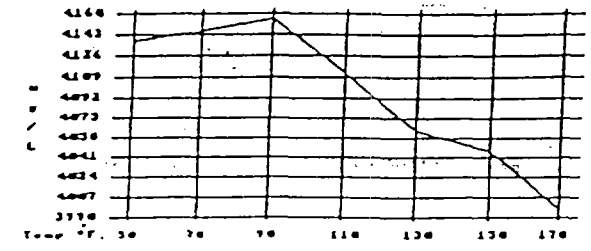
1.	pH			6.500	
2.	Specific Gravity 60/60 F.			1.091	
3.	$CaCO_3$ Saturation Index	@ 80 F.		+0.095	
		@ 140 F.		+0.975	

	Dissolved Gasses			MG/L	EQ. WT.		*MEQ/L
4.	Hydrogen Sulfide			60			
5.	Carbon Dioxide			150			
6.	Dissolved Oxygen			0.6			
	Cations						
7.	Calcium	(Ca^{++})		2,605	/ 20.1	=	129.60
8.	Magnesium	(Mg^{++})		1,276	/ 12.2	=	104.59
9.	Sodium	(Na^{+})	(Calculated)	45,740	/ 23.0	=	1,988.70
10.	Barium	(Ba^{++})		Not Determined			
	Anions						
11.	Hydroxyl	(OH^{-})		0	/ 17.0	=	0.00
12.	Carbonate	($CO_3^{=}$)		0	/ 30.0	=	0.00
13.	Bicarbonate	(HCO_3^{-})		586	/ 61.1	=	9.59
14.	Sulfate	($SO_4^{=}$)		4,800	/ 48.8	=	98.36
15.	Chloride	(Cl^{-})		74,983	/ 35.5	=	2,112.20
16.	Total Dissolved Solids			129,990			
17.	Total Iron (Fe)			2	/ 18.2	=	0.08
18.	Total Hardness As $CaCO_3$			11,760			
19.	Resistivity @ 75 F. (Calculated)			0.059 /cm.			

LOGARITHMIC WATER PATTERN
*meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L	= mg/L
$Ca(HCO_3)_2$	81.04	9.59	77
$CaSO_4$	68.07	98.36	6,69
$CaCl_2$	55.50	21.65	1,20
$Mg(HCO_3)_2$	73.17	0.00	
$MgSO_4$	60.19	0.00	
$MgCL_2$	47.62	104.59	4,98
$NaHCO_3$	84.00	0.00	
$NaSO_4$	71.03	0.00	
NaCl	58.46	1,985.96	116,09

*Milli Equivalents per Liter

his water is slightly corrosive due to the pH observed on analysis.
he corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2, Oxygen in solution.

Conoco Water

Exhibit VII-B

Capitan Chemicals

WATER ANALYSIS REPORT

SAMPLE

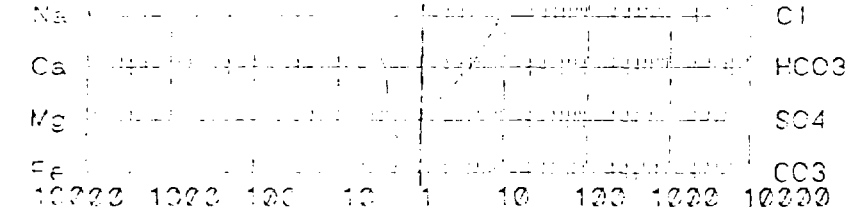
Oil Co. : The Wiser Oil Co.
Lease : Ben Lindsey
Well No.: Fresh Water
Salesman:

Sample Loc. :
Date Analyzed: 01-November-1996
Date Sampled :

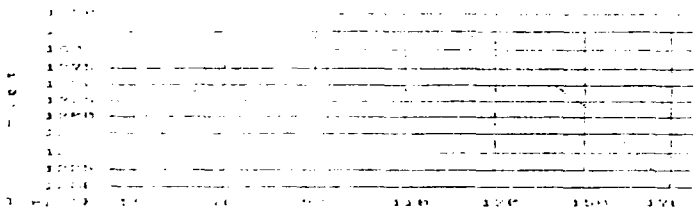
ANALYSIS

1.	pH		8.130		
2.	Specific Gravity 60/60 F.		1.003		
3.	$CaCO_3$ Saturation Index	@ 80 F.	+1.137		
		@ 140 F.	+1.737		
	Dissolved Gasses		MG/L	EQ. WT.	*MEQ/L
4.	Hydrogen Sulfide		Not Present		
5.	Carbon Dioxide		Not Determined		
6.	Dissolved Oxygen		Not Determined		
	Cations				
7.	Calcium	(Ca^{++})	50	/ 20.1 =	2.49
8.	Magnesium	(Mg^{++})	33	/ 12.2 =	2.69
9.	Sodium	(Na^{+}) (Calculated)	199	/ 23.0 =	8.28
10.	Barium	(Ba^{++})	5	/ 68.7 =	0.07
	Anions				
11.	Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})	229	/ 61.1 =	3.75
14.	Sulfate	($SO_4^{=}$)	48	/ 48.8 =	0.98
15.	Chloride	(Cl^{-})	300	/ 35.5 =	8.45
16.	Total Dissolved Solids		852		
17.	Total Iron (Fe)		2	/ 18.2 =	0.08
18.	Total Hardness As $CaCO_3$		250		
19.	Resistivity @ 75 F. (Calculated)		2.835 /cm.		

LOGARITHMIC WATER PATTERN
*meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L	= mg/L.
$Ca(HCO_3)_2$	81.04	2.49	202
$CaSO_4$	68.07	0.00	0
$CaCl_2$	55.50	0.00	0
$Mg(HCO_3)_2$	73.17	1.26	92
$MgSO_4$	60.19	0.91	55
$MgCl_2$	47.62	0.23	11
$NaHCO_3$	84.03	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	8.18	477

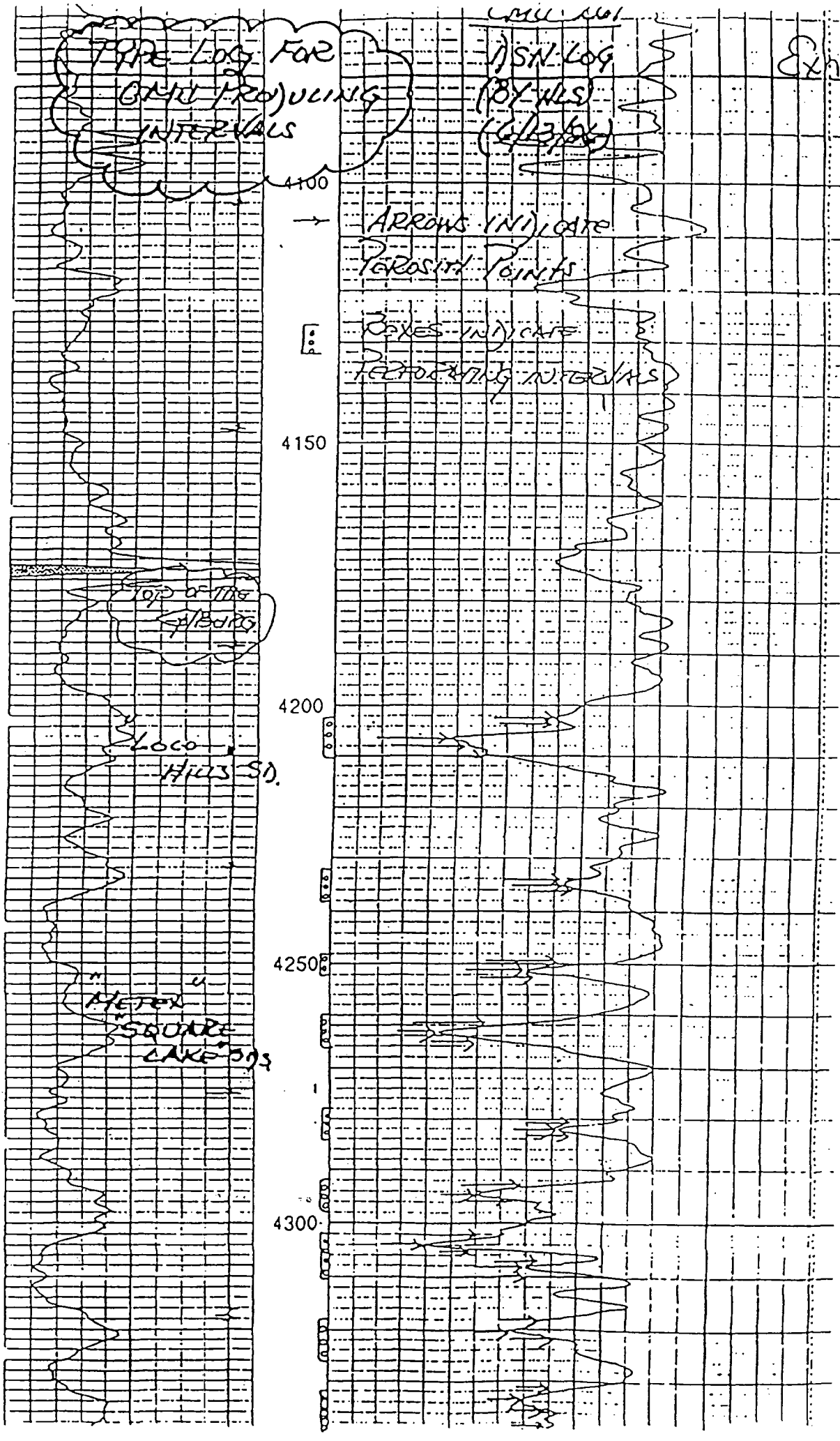
*Milli Equivalents per Liter

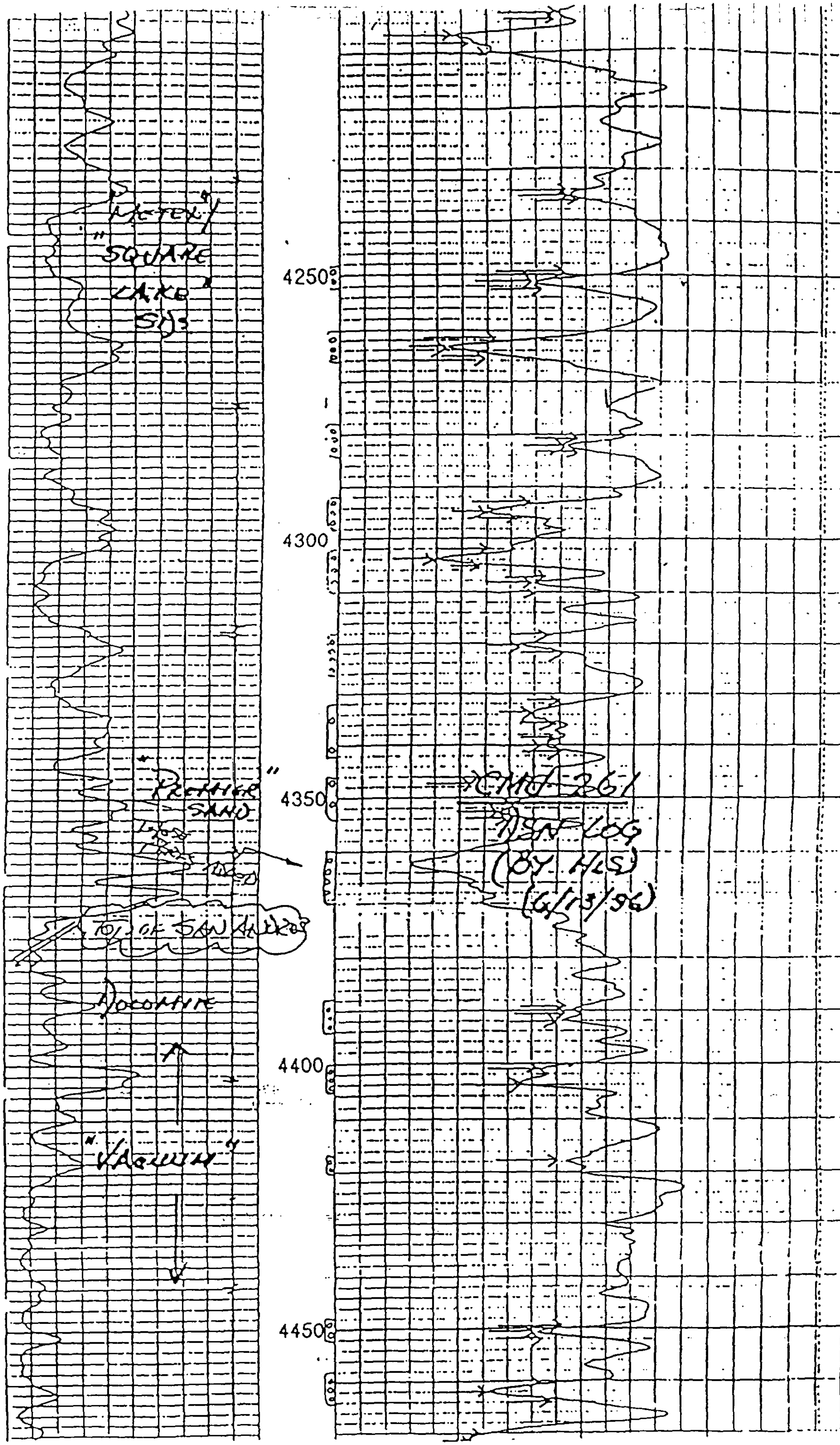
This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts in solution.

VIII. GEOLOGICAL DATA

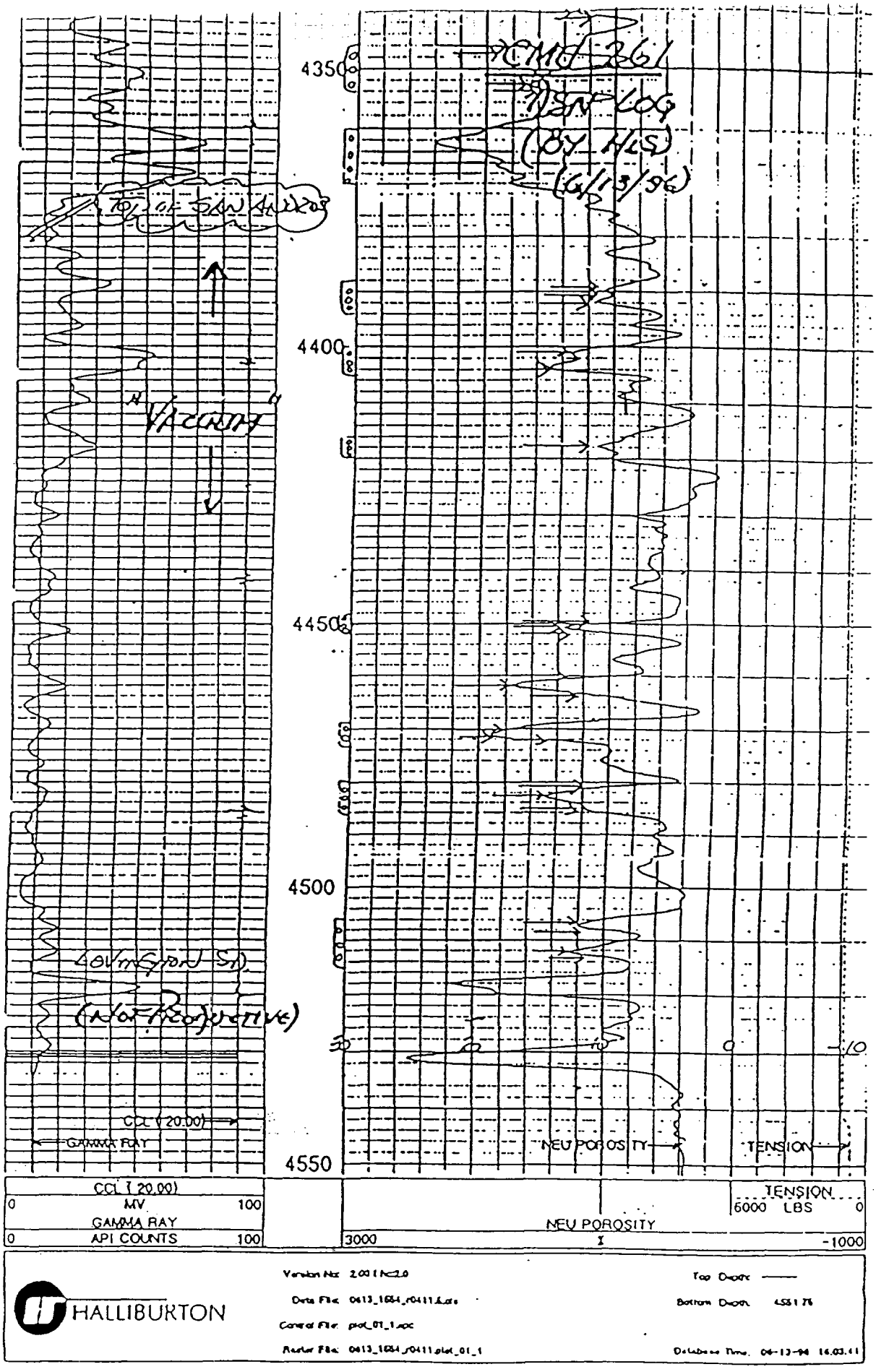
The proposed injection interval for the SU #127 is the Grayburg-San Andres Vacuum formations at an average depth of 3900 feet. The SU #302 will be dually completed for injection into the Grayburg-San Andres Vacuum and into the Fren Seven Rivers Queen at an average depth of 2650'. The Grayburg formation primarily consists of quartz sands with dolomitic cementation; while the San Andres Vacuum formation primarily consists of dolomite with intermingled stringers of quartz sand with dolomitic cementation. The Fren Seven Rivers Queen primarily consists of quartz sands stringers with dolomite cementation. The surface formation is Cretaceous and has no known sources of drinking water. The Ogallala aquifer and the Caprock overlies the northeastern portion of the Unit Area; there are no known sources of drinking water underlying the injection interval.

Attached, as Exhibits VIII-A and VIII-B, are two Type Logs illustrating typical geology, lithology, thickness, and depths. Although this is generally representative of the Skelly Unit, and wells have been drilled which have come in right on target as illustrated here, there is a tendency for Skelly Unit wells to come in anywhere from 200' shallower to an extreme of 1000' shallower than illustrated on these logs.


TYPE LOG FOR GAS PRODUCING INTERVALS
DSN LOG (BOYLES)
Exhibit VIII-A
4100
ARROWS INDICATE POROSITY POINTS
BOXES INDICATE PRODUCING INTERVALS
4150
TOP OF THE ALBURG
4200
LOCO HILLS SD.
4250
METER SQUARE CAKE SD.
4300



"SQUARE
LAKE"
"PREMIER"
SAND
TOP OF SAN ANDRES
DOLOMITE
"VACUUM"
4250
4300
4350
4400
4450
CMU 261
DSN LOG
(BY HLS)
(6/13/96)


4350
4400
4450
4500
4550
CCL (-20.00)
GAMMA RAY
NEU POROSITY
TENSION
CCL (-20.00)
0 MV 100
GAMMA RAY
0 API COUNTS 100
3000 NEU POROSITY -1000
TENSION
6000 LBS 0
HALLIBURTON

TYPE LOG FOR CMU GROWING Exh. bit VIII-B

FORMATION TOPS

TYPE LOG

HALLIBURTON

GAMMA COLLAR

DSN

1

COMP. : WISER OIL COMPANY INC.
WELL : CMU #160
FIELD : MALJAMAR GRAYBURG
COUNTY: LEA ST. N.M.

COMPANY WISER OIL COMPANY INC.

WELL CMU #160

FIELD MALJAMAR GRAYBURG SAN ANDRES

COUNTY LEA STATE N.M.

API NO. 30-025-32927 OTHER SERVICES

LOCATION :

48'FSL & 157' FWL CBL/PERF.

UNIT LETTER M

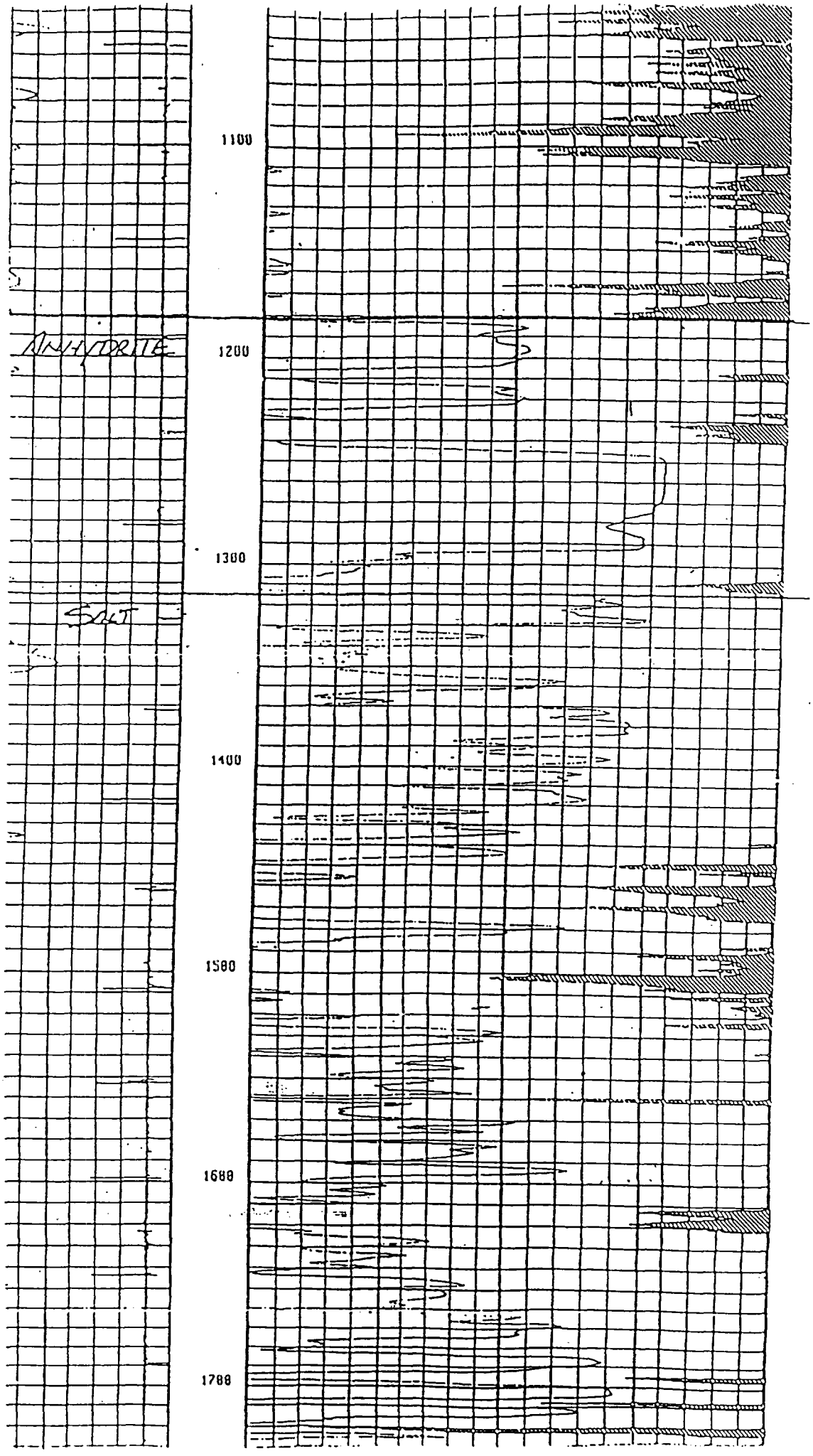
SEC. 18 TWP. 17-S RGE. 33-E

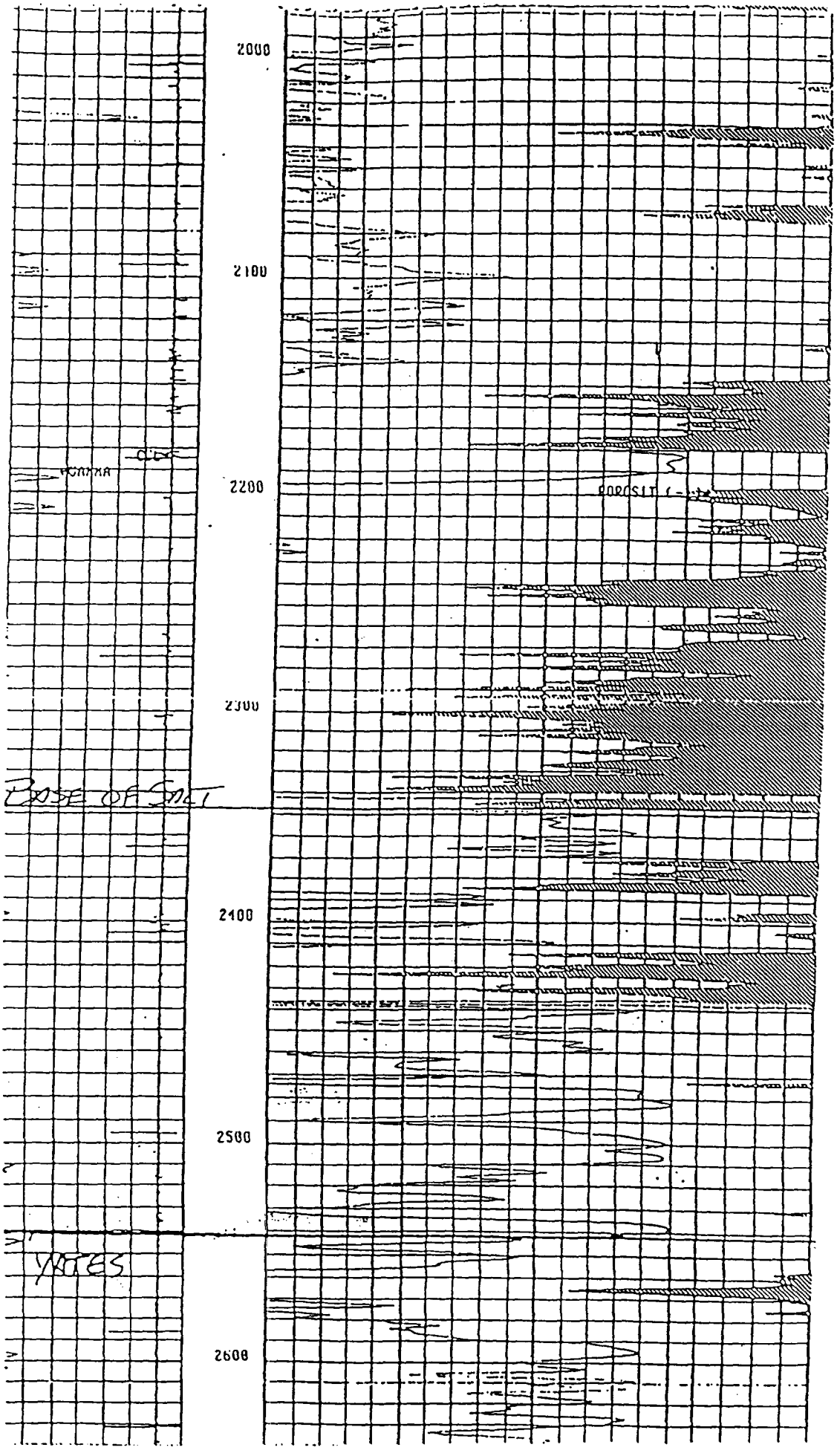
PERMANENT DATUM	GL	ELEV. 4137'	ELEV.: K.B. 4149'
LOG MEASURED FROM	KB	12.0 FT. ABOVE PERM. DATUM	D.F.
DRILLING MEAS FROM	KB		G.L. 4137'

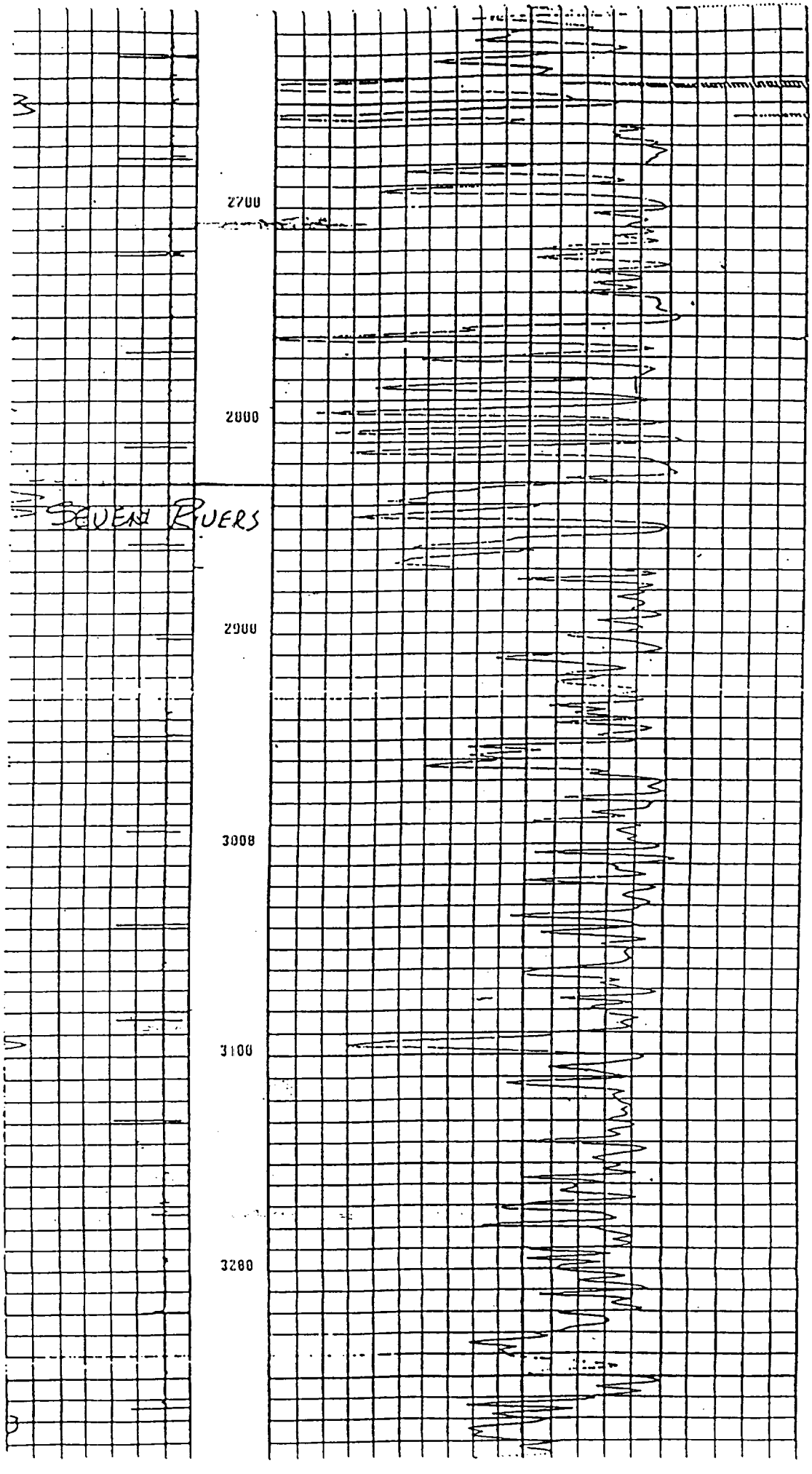
DATE & TIME LOGGED	12/08/95 @ 08:08	TYPE OF FLUID IN HOLE	WATER
RUN No.	ONE	DENSITY OF FLUID	NA
DEPTH - DRILLER	4850	FLUID LEVEL	FULL
DEPTH - LOGGER	4788	CEMENT TOP CST/LOGGED	NA
BTM LOGGED INTERVAL	4787	EQUIPMENT : LOCATION	7634 HOBBS
TOP LOGGED INTERVAL	SURF	RECORDED BY	WILL
MAX RECORDED TEMP.	NA	WITNESSED BY	MR. G. ACOSTA

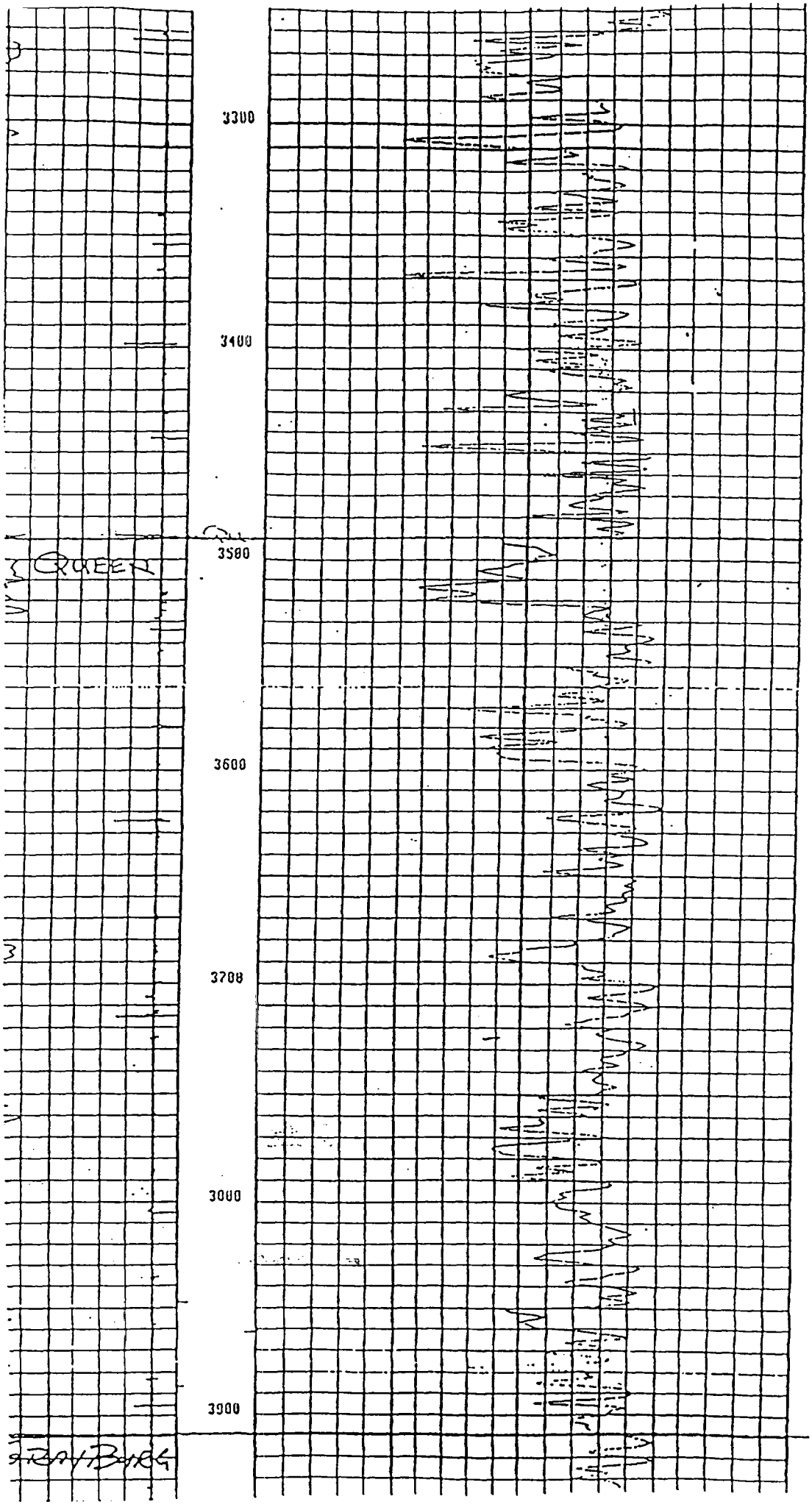
CEMENTING DATA	SURF. STRING	INT.STRING	PROD.STRING	LINER
DATE/TIME CEMENTED	/ .	/ .	/ .	/ .
PRIMARY/SQUEEZE				
COMPRESSIVE STR. EXPECTED @ :	: Hrs	: Hrs	: Hrs	: Hrs
CEMENT VOLUME				
CEMENT TYPE/WEIGHT				
MUD TYPE/MUD WGT.				
FORMULATION				

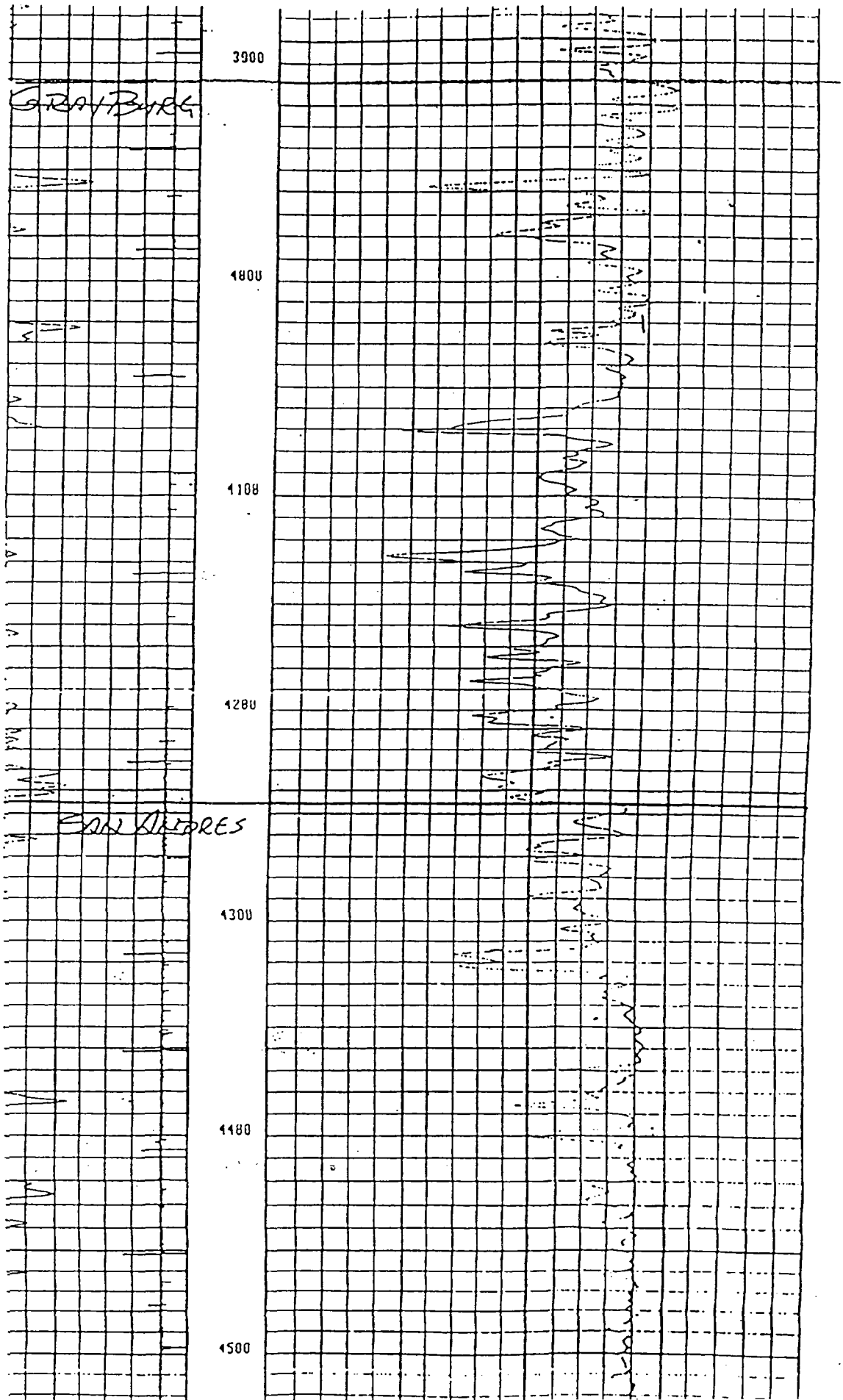
RUN	BOREHOLE RECORD			CASING AND TUBING RECORD			
No.	BIT SZ.	FROM	TO	SIZE	WGT.	FROM	TO
ONE				8.625	NA	0	1230
TWO	7.875	1230	4850	5.5	17.0	0	4850


1100
ANHYDRITE
1200
1300
SALT
1400
1500
1600
1700


2000
2100
2200
2300
BASE OF SALT
2400
2500
YATES
2600


2700
2000
SEVEN RIVERS
2900
3008
3100
3280


3300
3400
QUEEN
3500
3600
3700
3000
3900


3900
GRAY/BURG
4800
4108
4280
BAN ANDRES
4300
4480
4500

C-108
APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

IX. PROPOSED STIMULATION PROGRAM

Acid breakdown jobs will be done if new perforations are added. When treating old perforations, acid "wash" treatment will be done to remove scales and flow-back solids at formation face.

X. LOGGING DATA

The available logs are those on file with the Oil Conservation Division from the original oprators of the wells.

XI. FRESH WATER WELLS

There are no fresh water wells in the area as recorded in the office of the State Engineer. There is one dry-hole which was drilled to the south of the Skelly Unit in Section 34 to a depth of 362', but it produced no water.

XII. Not applicable
C-108

XIII. PROOF OF NOTICE

Copies of this C-108 Application have been mailed to the surface owners and to each leasehold operator within one-half mile of the proposed injection wells as identified on XIII-A. An Affidavit of such notice is attached as Exhibit XIII-B. Copies of the certified receipts will be furnished upon request. The notice attached as Exhibit XIII-C is being published in the Hobbs Daily News-Sun. An Affidavit of Publication will be forwarded as soon as available.

EXHIBIT XIII-A

Surface Owners:

Bureau of Land Management
Roswell District Office
2901 W. Second St.
Roswell, NM 88201

Offset Leasehold Owners & Well Operators:

Avon Energy Corp.
P. O. Box 1710
Hobbs, NM 88240

Atlantic Richfield Co.
P. O. Box 1610
Midland, TX 79702

Devon Energy Operating Corp.
20 North Broadway, Suite 1500
OK City, OK 73102

EXHIBIT XIII-B

AFFIDAVIT OF MAILING
Application for Authorization to Inject - Form C-108
Skelly Waterflood Unit

STATE OF NEW MEXICO
COUNTY OF CHAVES | SS.

I, Bonita L. Limpus Jones, do solemnly swear that a copy of this Application has been mailed by certified mail, to each of the interested parties listed on Exhibit XIII-A.

Bonita L. Limpus Jones
Consulting Landman with J. O. Easley, Inc.
on behalf of The Wiser Oil Company

SWORN AND SUBSCRIBED TO before me this 14th day of August, 1997.

My Commibsion Expires:
December 18, 1999

Notary Public

EXHIBIT XIII-C

NOTICE TO BE PUBLISHED IN THE HOBBS DAILY NEWS-SUN
ON FRIDAY, AUGUST 15, 1997

PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand its Skelly Unit and inject water into 2 additional wells: 1 well in Section 15 and 1 well in Section 28, both within T17S-R31E, Eddy County, New Mexico, to provide additional injection service for the existing Skelly Unit Waterflood, Order No. R-3214. The well in Section15 is to inject into the Grayburg-San Andres Vacuum zone at an average depth of 3900' and the well in Section 28 will be dually completed to inject into the Grayburg-San Andres Vacuum as well as the Fren Seven Rivers Queen at an average depth of 2650'. The maximum injection rate will be 500 BWPD/well with a maximum pressure of 2100 psi. Any interested party with objection or request for hearing should notify the Oil Conservation Division at P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days of this notice. Any questions should be directed to Mike Jones with The Wiser Oil Company, at P. O. Box 2568, Hobbs, New Mexico 88241, 505-392-9797.

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: _____ Well: _____

Contact: _____ Title: _____ Phone: _____

DATE IN _____ RELEASE DATE _____ DATE OUT _____

Proposed Injection Application is for: ___ **WATERFLOOD** ___ Expansion ___ Initial

Original Order: R- _____ ___ Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS ___ **SALT WATER DISPOSAL** ___ Commercial Well

___ WIPP ___ Capitan Reef

Data is complete for proposed well(s)? _____ Additional Data Req'd _____

AREA of REVIEW WELLS

___ Total # of AOR ___ # of Plugged Wells

___ Tabulation Complete ___ Schematics of P & A's

___ Cement Tops Adequate ___ AOR Repair Required

INJECTION FORMATION

Injection Formation(s) _____ Compatible Analysis _____

Source of Water or Injectate _____

PROOF of NOTICE

___ Copy of Legal Notice ___ Information Printed Correctly

___ Correct Operators ___ Copies of Certified Mail Receipts

___ Objection Received ___ Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? _____

COMMUNICATION WITH CONTACT PERSON:

1st Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

WFX-724

J.O. EASLEY, INC.

ESTABLISHED 1979

P.O. Box 245 88211-0245
119 South Roselawn, Suite 302
Artesia, New Mexico 88210

Telephone (505) 746-1070
Fax (505) 746-1073

September 10, 1997

RECEIVED
SEP 12 1997
CONSERVATION DIVISION

Mr. David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: C-108
Lea "D" Waterflood Project &
Skelly Waterflood Unit
Eddy County, New Mexico

Dear Mr. Catanach:

Enclosed are the Affidavits of Publication for notice of the C-108s for additional water injection wells within the Lea "D" Waterflood Project and the Skelly Waterflood Unit which were filed with your office on August 14, 1997.

Sincerely,

J. O. EASLEY, INC.

Bonita L. Limpus Jones
Consulting Landman

/bj
Enclosures
cc/enclosure Mr. Tim W. Gum
New Mexico Oil Conservation Division
811 South 1st Street
Artesia, New Mexico 88210

Mr. Mike Jones
The Wiser Oil Company
P. O. Box 2568
Hobbs, New Mexico 88241

Mr. Matt Eagleston
The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks

Beginning with the issue dated

August 15 1997

and ending with the issue dated

August 15 1997

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 15th day of

August 1997

Jodi Henson

Notary Public.

My Commision expires
October 18, 2000
(Seal)

LEGAL NOTICE
August 15, 1997
PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand the Lea "D" Waterflood Project by injecting water into 8 additional wells in Section 26, T17S-R31E, Eddy County, New Mexico, to provide additional injection service for the existing Lea "D" Waterflood Project, Order No. R-3952. The zones to be injected into are the Grayburg and San Andres Vacuum at an average depth of 3900' with a maximum injection rate of 500 BWPD/well at a maximum pressure of 2100 psi. Any interested parties with objection or request for hearing should notify the Oil Conservation Division at P.O. Box 2088, Santa Fe, New Mexico 87501, within 15 days of this notice. Any questions should be directed to Mike Jones with The Wiser Oil Company, at P.O. Box 2568, Hobbs, New Mexico 88241, 505-392-9797.

PROPOSED INJECTION WELLS

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#15364

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

01102251000 01510154

Consulting Landman
705 W. Mescalero Rd.
a/c 434005
Roswell, NM 88201