WFX 2/28/97
714

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

March 12, 1997

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

MAR 13

Re: C-108
Skelly Waterflood Unit
Lea County, New Mexico

Dear Mr. Catanach:

Enclosed is an original and one copy of the C-108 for 5 new injection wells within The Wiser Oil Company's Skelly Waterflood Unit.

If you have any questions, please feel free to give me a call at 505-624-9677.

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

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: The Wiser Oil Company Well: Skelly Unit - 5 wells

Contact: Bonnie Jones Title: Agent Phone: 505-624-9677

DATE IN 3-13-97 RELEASE DATE 3-28-97 DATE OUT 5-20-97

Proposed Injection Application is for: X WATERFLOOD x Expansion ___ Initial

Original Order: R- 3214 x Secondary Recovery ___ Pressure Maintenance

SENSITIVE AREAS ___ SALT WATER DISPOSAL ___ Commercial Well

___ WIPP ___ Capitan Reef

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

AREA of REVIEW WELLS

105 Total # of AOR 17 # of Plugged Wells

Yes Tabulation Complete Yes Schematics of P & A's

Yes Cement Tops Adequate No AOR Repair Required

INJECTION FORMATION

Injection Formation(s) GRBG - SA Compatible Analysis Yes

Source of Water or Injectate AREA PRODUCTION

PROOF of NOTICE

✓ Copy of Legal Notice ✓ Information Printed Correctly

✓ Correct Operators ✓ Copies of Certified Mail Receipts

No Objection Received N/A Set to Hearing ___ Date

NOTES: ___

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? Yes

COMMUNICATION WITH CONTACT PERSON:

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

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

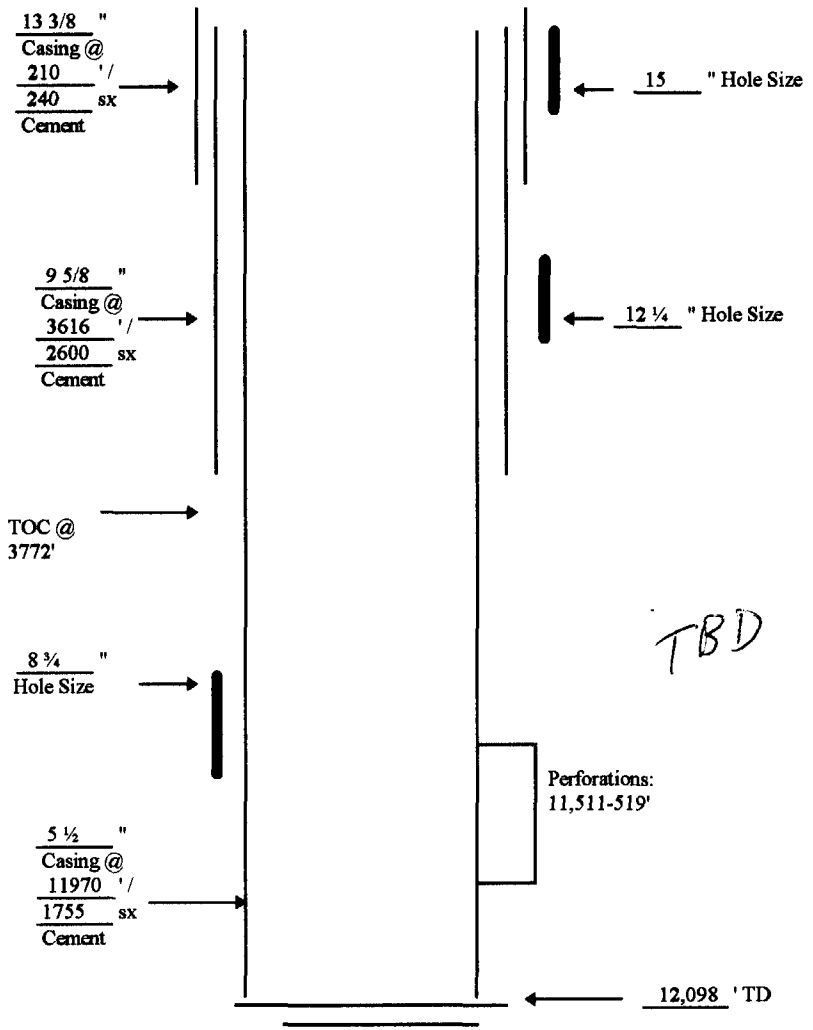
3rd Contact: ___ Telephoned ___ Letter ___ Date Nature of Discussion ___

INJECTION WELL DATA SHEET

OPERATOR: The Wiser Oil Company | LEASE: Skelly Unit

WELL NO.: #1 | 660' FSL, 1980' FWL, Unit N (FOOTAGE LOCATION) | 15 (SECTION) | 17S (TOWNSHIP) | 31E (RANGE)

Schematic



Well Construction Data

Surface Casing Set @ 210 '
Size 13 3/8 " Cemented with 240 sx.
TOC Surface feet determined by _____
Hole Size 15 "

Intermediate Casing Set @ 3616 '
Size 9 5/8 " Cemented with 2600 sx.
TOC _____ feet determined by _____
Hole Size 12 ¼ "

Long String Set @ 11,970 '
Size 5 ½ " Cemented with 1755 sx.
TOC 3772 feet determined by Calculation
Hole Size 8 ¾ "
Total Depth 12,098 '

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? _____ Yes X No
   If no, for what purpose was the well originally drilled?
   Oil Production - SI
   The Wiser Oil Company plans to convert this well to WIW
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 11,511-519'
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area. Fren Penn

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-5217 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/l 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 by B DATE: 3-12-97

* 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.

C-108
APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

III. WELL DATA

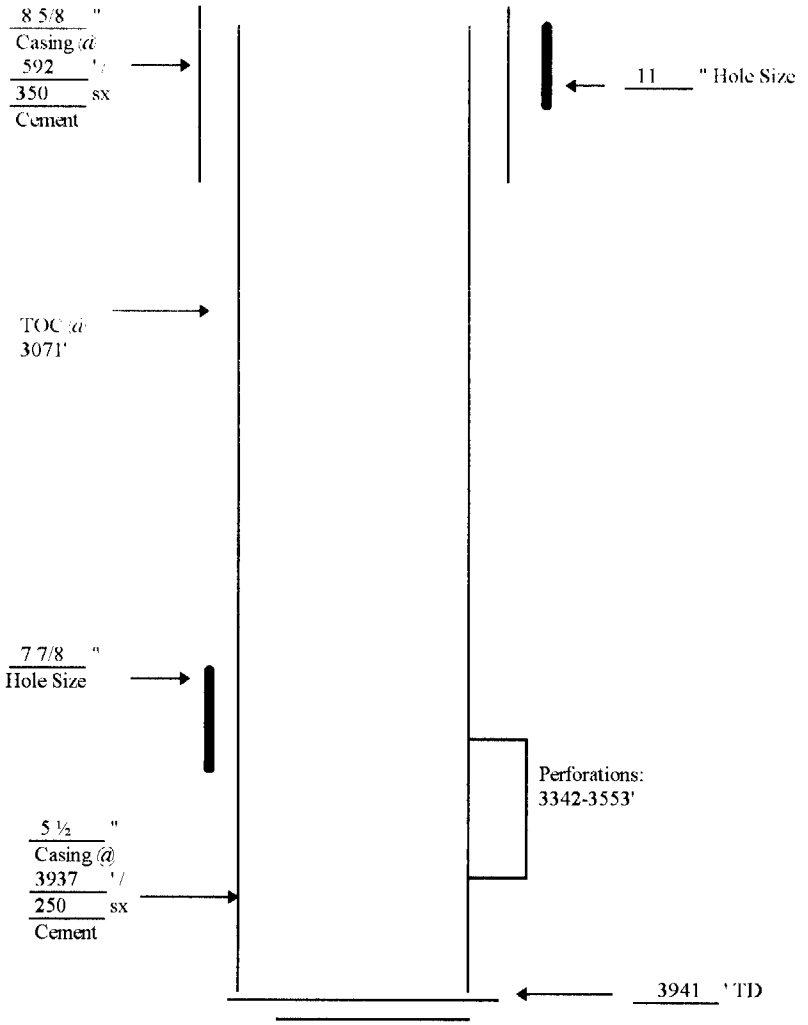
The following data sheets describe the 5 Water Injection Wells for which this application is submitted by The Wiser Oil Company.

INJECTION WELL DATA SHEET

ERATOR The Wiser Oil Company LEASE Skelly Unit

LL NO. #35 | 660' FSL, 1980' FEL, Unit O (FOOTAGE LOCATION) | 14 (SECTION) | 17S (TOWNSHIP) | 31E (RANGE)

Schematic



Well Construction Data

Surface Casing Set @ 592 '
Size 8 5/8 " Cemented with 350 sx.
TOC Surface feet determined by
Hole Size 11 "

Intermediate Casing
Size " Cemented with sx.
TOC feet determined by
Hole Size "

Long String Set @ 3937 '
Size 5 ½ " Cemented with 250 sx.
TOC 3071 feet determined by Temp Survey
Hole Size 7 7/8 "
Total Depth 3941 '

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

Tubing Size 2 3/8 " lined with (type of internal coating) set in a packer at 3584 feet

Other type of tubing / casing seal if applicable

Other Data

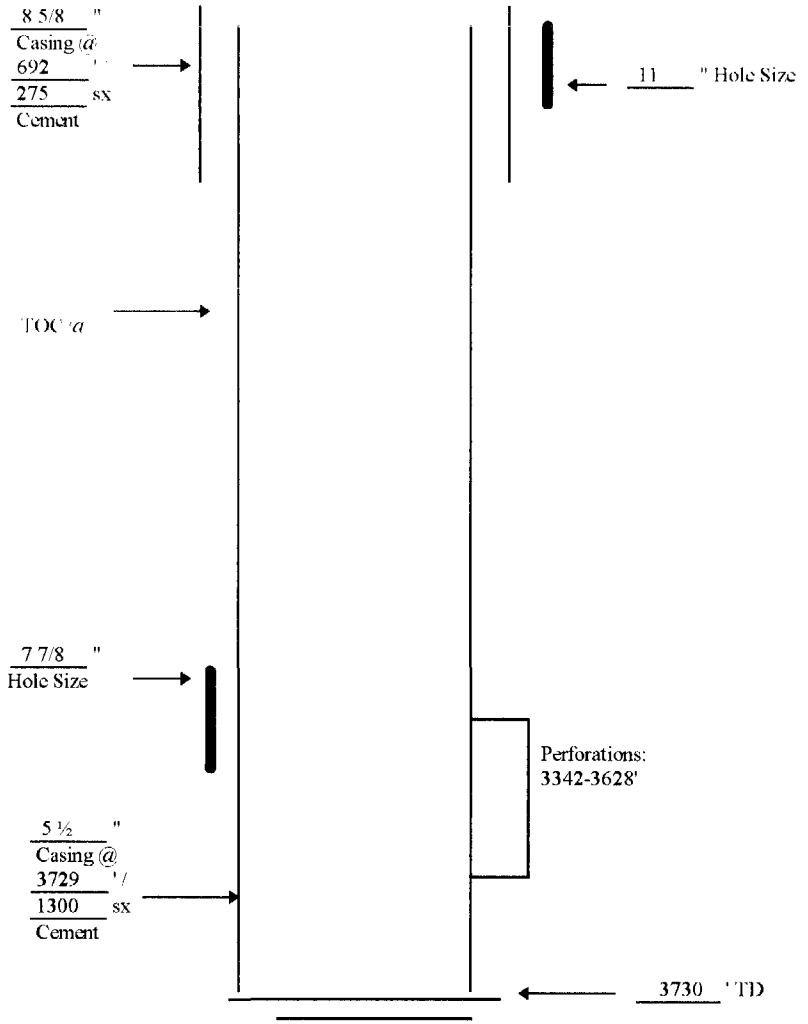
1. Is this a new well drilled for injection? Yes X No
   If no, for what purpose was the well originally drilled?
   Oil Production
   The Wiser Oil Company plans to convert this well to WIW
2. Name of the Injection formation Grayburg-San Andres Vacuum
3. Name of Field or Pool (if applicable) Grayburg 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 3342-3553'
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR: The Wiser Oil Company — LEASE: Skelly Unit

WELL NO.: #148 — FOOTAGE LOCATION: 560' FSL, 560' FEL, Unit P — SECTION: 14 — TOWNSHIP: 17S — RANGE: 31E

Schematic



Well Construction Data

Surface Casing — Set @ 692 '
Size 8 5/8 " — Cemented with 275 sx.
TOC Surface — feet determined by
Hole Size 11 "

Intermediate Casing
Size " — Cemented with sx.
TOC — feet determined by
Hole Size "

Long String — Set @ 3729 '
Size 5 ½ " — Cemented with 1300 sx.
TOC — feet determined by
Hole Size 7 7/8 "
Total Depth 3730 '

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

Tubing Size 2 3/8 " lined with (type of internal coating) set in a packer at 3653 feet

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
   The Wiser Oil Company plans to convert this well to WIW
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 3342-3628'
5. Give the names and depths of any over or underlying oil or gas zones (pools) in this area.

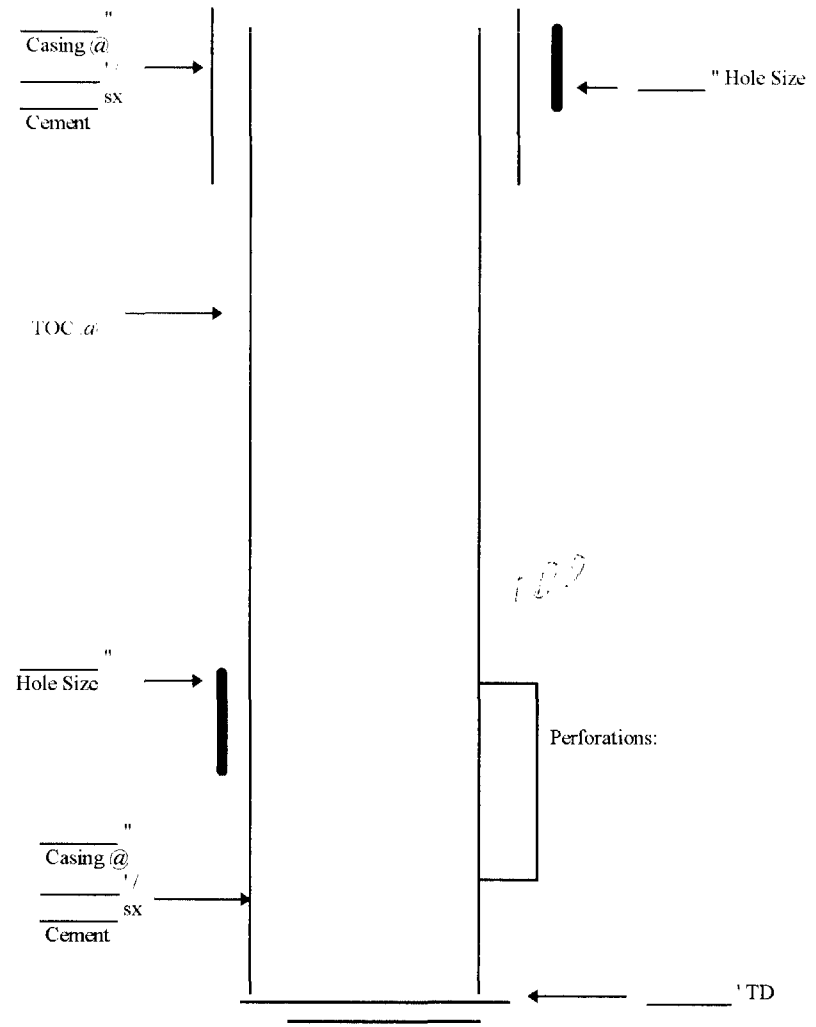
INJECTION WELL DATA SHEET

ERATOR The Wiser Oil Company LEASE Skelly Unit

LL NO. #300 (Drilling is Pending)(Replaces SU #71) 1880' FSL & 1980' FEL, Unit J 23 17S 31E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ '

Size " Cemented with sx.

TOC feet determined by

Hole Size "

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size "

Long String Set @ '

Size " Cemented with sx.

TOC feet determined by

Hole Size "

Total Depth '

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?

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.

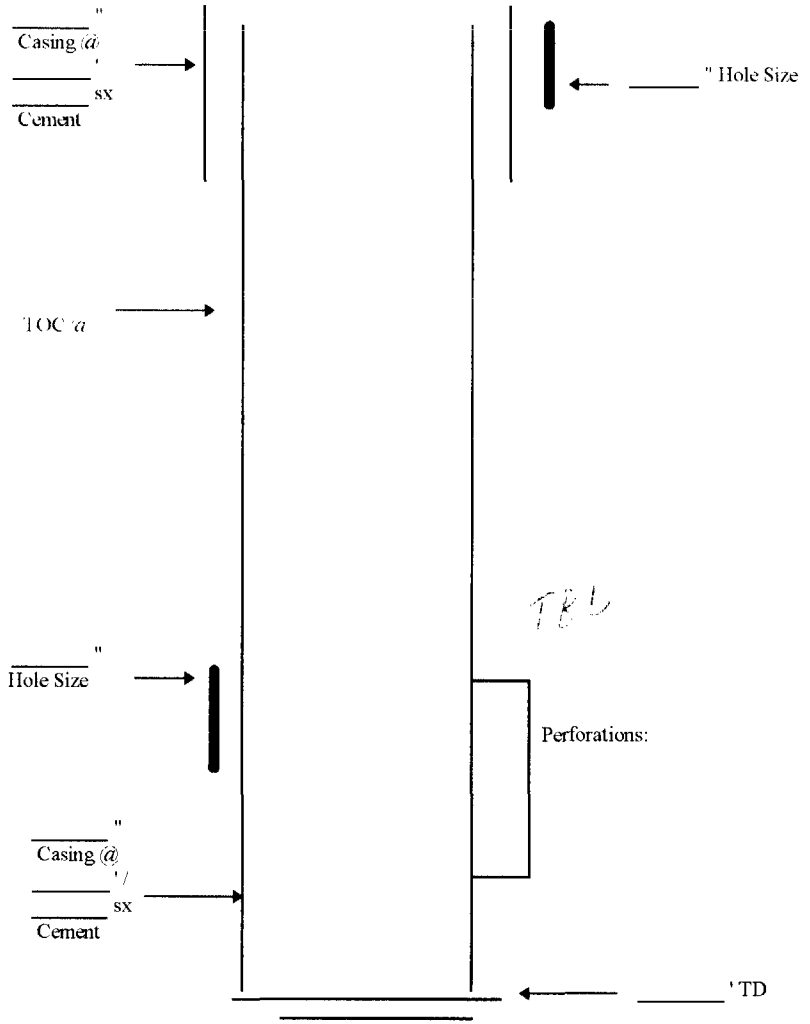
INJECTION WELL DATA SHEET

PERATOR The Wiser Oil Company LEASE Skelly Unit

ELL NO. #301 (Drilling is Pending)(Replaces SU #92) 1980' FNL, 560' FWL, Unit E 28 17S 31E

FOOTAGE LOCATION SECTION TOWNSHIP RANGE

Schematic



Well Construction Data

Surface Casing Set @ '

Size " Cemented with sx.

TOC feet determined by

Hole Size "

Intermediate Casing

Size " Cemented with sx.

TOC feet determined by

Hole Size "

Long String Set @ '

Size " Cemented with sx.

TOC feet determined by

Hole Size "

Total Depth '

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?
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.

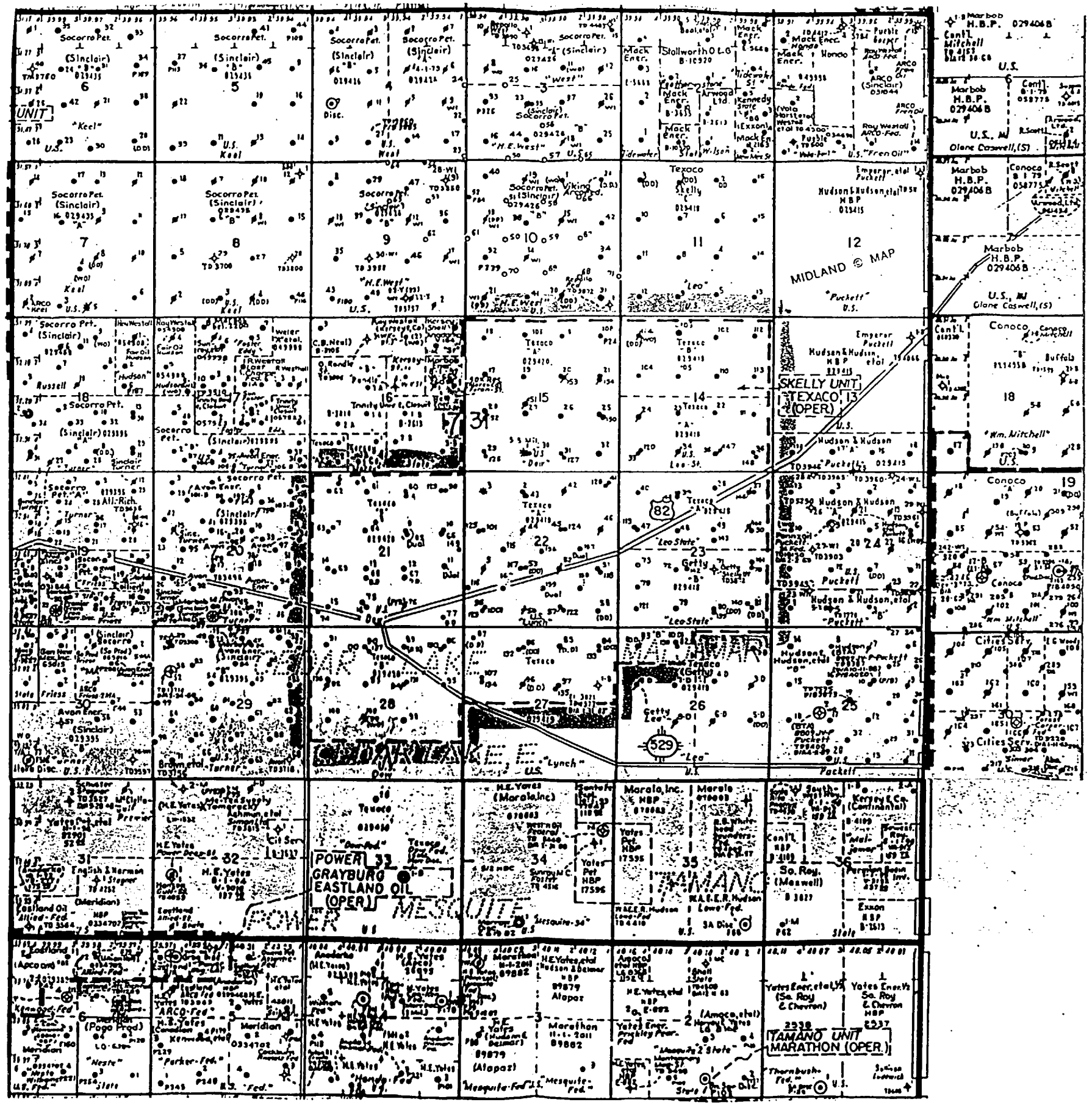
C-108
APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

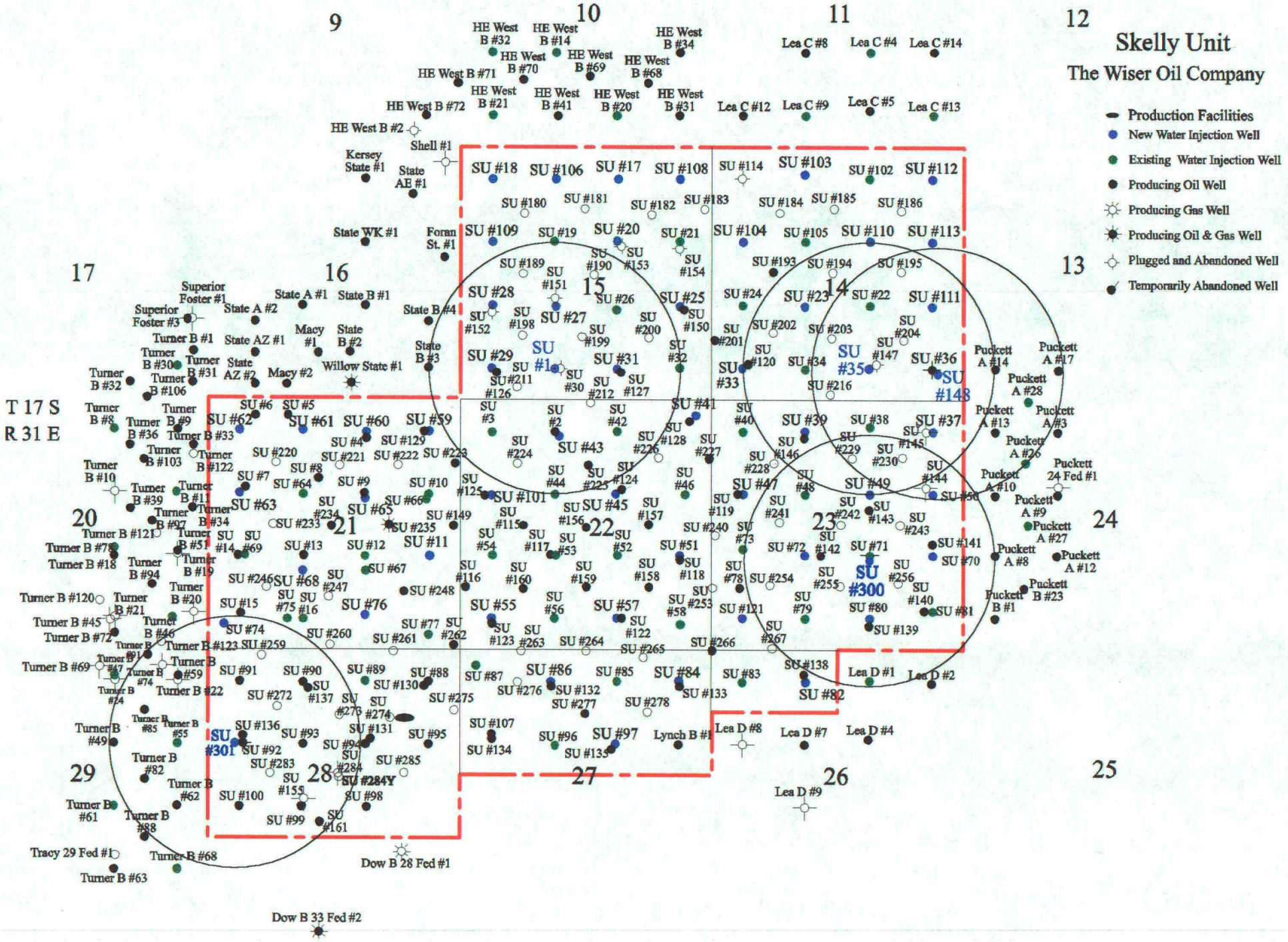
V. AREA OF REVIEW

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.

SKELLY UNIT

Eddy County, New Mexico




Skelly Unit
The Wiser Oil Company
Production Facilities
New Water Injection Well
Existing Water Injection Well
Producing Oil Well
Producing Gas Well
Producing Oil & Gas Well
Plugged and Abandoned Well
Temporarily Abandoned Well
T 17 S
R 31 E
9
10
11
12
13
14
15
16
17
20
21
22
23
24
25
26
27
28
29
32
33
34
SU #1
SU #35
SU #148
SU #300
SU #301
SU #284Y
HE West B #32
HE West B #14
HE West B #34
HE West B #70
HE West B #69
HE West B #68
HE West B #71
HE West B #21
HE West B #41
HE West B #20
HE West B #31
HE West B #72
HE West B #2
Lea C #8
Lea C #4
Lea C #14
Lea C #12
Lea C #9
Lea C #5
Lea C #13
Shell #1
Kersey State #1
State AE #1
State WK #1
Foran St. #1
Superior Foster #1
Superior Foster #3
State A #1
State A #2
State B #1
State B #4
State B #2
State B #3
Macy #1
State AZ #1
State AZ #2
Macy #2
Willow State #1
Turner B #1
Turner B #30
Turner B #31
Turner B #32
Turner B #106
Turner B #8
Turner B #9
Turner B #36
Turner B #33
Turner B #103
Turner B #122
Turner B #10
Turner B #39
Turner B #11
Turner B #97
Turner B #34
Turner B #121
Turner B #51
Turner B #78
Turner B #18
Turner B #94
Turner B #19
Turner B #120
Turner B #20
Turner B #21
Turner B #45
Turner B #46
Turner B #72
Turner B #123
Turner B #69
Turner B #47
Turner B #74
Turner B #22
Turner B #24
Turner B #85
Turner B #55
Turner B #49
Turner B #82
Turner B #62
Turner B #61
Turner B #88
Tracy 29 Fed #1
Turner B #68
Turner B #63
Dow B 28 Fed #1
Dow B 33 Fed #2
Lynch B #1
Lea D #1
Lea D #2
Lea D #8
Lea D #7
Lea D #4
Lea D #9
Puckett A #14
Puckett A #17
Puckett A #28
Puckett A #13
Puckett A #3
Puckett A #26
Puckett 24 Fed #1
Puckett A #10
Puckett A #9
Puckett A #27
Puckett A #8
Puckett A #12
Puckett B #23
Puckett B #1

C-108
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 17 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																
Puckett "A" #14	William A. & Edward R. Hudson	660' FSL, 660' FWL, Unit M	13	17S	31E	6-15-45	O	3730'	7 7/8"	8 ½" 7"	850' 3394'	50 100	Open Hole 3394-3730'		Estimated TOC 2147'	BLM LC-029415-A
Puckett "A" #17	William A. & Edward R. Hudson	660' FSL, 1980' FWL, Unit N	13	17S	31E	3-8-60	O	3973'		9 5/8" 5 ½"	545' 3971'	300 350	3547-3574' 3623-3721' 3925-3954'	2" @ 3548'		BLM LC-029415-A
SU #194	The Wiser Oil Co.	2625' FNL, 2557' FWL, Unit F	14	17S	31E	Pending	O	4100'	12 ¼" 7 7/8"	8 5/8" 5 ½"	443' 4100'	325 1150			Completion is pending	BLM LC-029418-B
SU #110	The Wiser Oil Co.	1980' FNL, 1980' FEL, Unit G	14	17S	31E	9-4-71	O	3805'	11" 7 7/8"	8 5/8" 5 ½"	626' 3805'	350 850	3316-98' 3436-68' 3501-96' 3639-98' 3708-18'	2 7/8" @ 3739'	Wiser plans to convert this well to WIW	BLM LC-029418-B
SU #195	The Wiser Oil Co.	2626' FNL, 1331' FEL, Unit G	14	17S	31E		O								Drilling is pending	BLM LC-029418-B
SU #111	The Wiser Oil Co.	1980' FSL, 660' FEL, Unit I	14	17S	31E	12-29-71	O	3900'	11" 7 7/8"	8 5/8" 5 ½"	629' 3899'	350 750		2 7/8" @ 3759'	Estimated TOC 67'	BLM LC-029418-A
SU #22	The Wiser Oil Co.	1980' FSL, 1980' FEL, Unit J	14	17S	31E	Pre 1968	~~O~~ WIW	3875' PB 3705'		8 5/8" 7"			3311-3608' Open Hole	2 3/8" @ 3210'	TOC 1990 / Cmt Bond Log Converted to WIW 3-11-68 Incomplete OCD & Wiser Well Files	BLM LC-029418-A
SU #23	The Wiser Oil Co.	1980' FSL, 1980' FWL, Unit K	14	17S	31E	2-2-62	O	3860'	12 ¼" 7 7/8"	8 5/8" 4 ½"	772' 3860'	350 485	3309-75' 3407-88' 3504-95' 3599-3603' 3606-89' 3756-3839'	2 3/8" @ 3819'	TOC 1728' by Temp Survey	BLM LC-029418-A
SU #202	The Wiser Oil Co.	1409' FSL, 1310' FWL, Unit L	14	17S	31E	Pending	O	4050'	12 ¼" 7 7/8"	8 5/8" 5 ½"	441' 4050'	325 1350			Completion is pending.	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 #33	The Wiser Oil Co.	660' FSL, 660' FWL, Unit M	14	17S	31E	2-1-45	O	3840'		8 5/8" 7"	671' 3208'	75 150	3208-3835' Open Hole	2" @ 3316'	TOC 1981' by Temp. Survey	BLM LC-029418-A
SU #34	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	14	17S	31E	6-16-61	~~O~~ WIW	3850'	10" 8"	8 5/8" 5 ½"	750' 3737'	100 380	3568-3716' 3286-3544'	2" @ 3172'	Converted to WIW 7-5-67	BLM LC-029418-A
SU #203	The Wiser Oil Co.	1300' FSL, 2539' FWL, Unit N	14	17S	31E	Pending	O	4100'	12 ¼" 7 7/8"	8 5/8" 5 ½"	447' 4100'	325 1150			Completion is pending	BLM LC-029418-A
SU #216	The Wiser Oil Co.	128' FSL, 2515' FWL, Unit N	14	17S	31E	Pending	O	4100	12 ¼" 7 7/8"	8 5/8" 5 ½"	440' 4100'	325 1050			Completion is pending	BLM LC-029418-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 #147	Texaco Producing Inc.	760' FSL, 1830' FEL, Unit O	14	17S	31E	9-1-78	~~O~~ P&A	2700'	11" 7 7/8"	8 5/8" 5 ½"	654' 2699'	275 575	2418-2546'	2 3/8" @ 2580'	P&A 5-12-87 See Attached Schematic	BLM LC-029418-A
SU #204	The Wiser Oil Co.	1278' FSL, 1273' FEL, Unit P	14	17S	31E	10-10-96	O	4150'	12 ¼" 7 7/8"	8 5/8" 5 ½"	437' 4150'	325 1250	3433-3630' 3918-32' 3981-4011'	2 7/8" @ 3634'		BLM LC-029418-A
SU #36	The Wiser Oil Co.	660' FSL, 660' FEL, Unit P	14	17S	31E	pre 1950	~~O~~ P&A	3899'	10 ¾" 9 ¾"	8 5/8" 7"	743' 3318'	100 150	2442-98' 2503-62'		TOC 1922' by Cement Bond Log P&A 5-8-87 See Attached Schematic	BLM LC-029418-A
SU #19	The Wiser Oil Co.	1980' FNL, 1960' FWL, Unit F	15	17S	31E	9-28-60	~~O~~ WIW	3670'	10" 8"	8 5/8" 5 ½"	780' 3520'	100 385	3285-3294' 3337-3342' 3223-3462'	2" @ 3276'	Estimated TOC 1669' Converted to WIW 3-11-68	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	Pending	O	3900'	12 ¼" 7 7/8"	8 5/8" 5 ½"	444' 3900'	325 1100			Completion is pending	BLM LC-029420-A
SU #27	The Wiser Oil Co.	1980' FSL, 1980' FWL, Unit K	15	17S	31E	7-6-61	O	3600'	10" 8"	8 5/8" 5 ½"	723' 3491'	100 385	3203-3453'	2" @ 3381'	Estimated TOC 1640'	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 Schematic	BLM LC-029420-A
SU #28	The Wiser Oil Co.	1980' FSL, 660' FWL, Unit L	15	17S	31E	3-10-61	O	3714'	10" 8"	8 5/8" 5 ½"	722' 3619'	125 375	3205-3433' 3474-3558'	2 3/8" @ 3648'	Estimated TOC 1816'	BLM LC-029420-A
SU #152	The Wiser Oil Co.	1830' FSL, 660' FWL, Unit L	15	17S	31E	8-4-78	~~O~~ P&A	2549'	11" 7 7/8"	8 5/8" 5 ½"	569' 2549'	275 555	2278-93' 2303-95' 2401'	2 3/8" @ 2452'	P&A 9-28-90 See Attached Schematic	BLM LC-029420-A
SU #189	The Wiser Oil Co.	2630' FSL, 1310' FWL, Unit L	15	17S	31E	Pending	O	3925'	12 ¼" 7 7/8"	8 5/8" 5 ½"	442' 3925'	325 1150			Completion is pending	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 #29	The Wiser Oil Co.	660' FSL, 660' FWL, Unit M	15	17S	31E	12-15-44	O	3717'		8 5/8" 7"	639' 3091'	100 100	3091-3717' Open Hole	2 3/8" @ 3634'	TOC 1300' by Temp Survey	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 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 #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 Schematic	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 Unk	3194-3219'	2 3/8" @ 3676'	TOC 1750' by Temp Survey	BLM LC-029420-A
SU #127	The Wiser Oil Co.	560' FSL, 1880' FEL, Unit O	15	17S	31E	10-31-77	O	2550'	11" 7 7/8"	8 5/8" 5 ½"	607' 2550'	125 450	2302-2425'	2 3/8" @ 2438'	Estimated TOC 251'	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'			BLM LC-029420-A
State "13" #3	Trinity University & Closuit	660' FEL, 660' FSL, Unit P	16	17S	31E	5-31-44	O	3670'	10" 8"	8 ¼" 7"	600' 3165'	50 100		2" @ 3177'	Estimated TOC 2083'	State B-2613
Turner "B" #123	Devon Energy Operating Corporation	135' FSL, 1000' FEL, Unit P	20	17S	31E		O								Drilling is Pending	BLM LC-029395-B
SU #74	The Wiser Oil Co.	530' FSL, 330' FWL, Unit M	21	17S	31E	4-4-57	O	3900'	10" 8"	8 5/8" 7"	652' 3225'	155 200	3028-98' 3114-77' 3223-96' 3303-60' 3406-31'	2 7/8" @ 3340'	Estimated TOC 1062'	BLM LC-029420-B
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	3757'	11" 7 7/8"	8 5/8" 4 ½"	539' 3757'	250 425	3128-3373' 3451-61' 3721-48'	2" @ 3453'	TOC 1885' by Temp Survey	BLM LC-029419-A
SU #3	The Wiser Oil Co.	660' FNL, 660' FWL, Unit D	22	17S	31E	1-12-54	~~O~~ WIW	13196	18" 12 ¼" 7 7/8"	13 3/8" 9 5/8" 7"	211' 3800' 1311 2	230 2847 1415	11962-982' 2246-2282' 3578-3746'	2" @ 3721'	Converted to WIW 3-21-73	BLM LC-029419-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 #224	The Wiser Oil Co.	1348' FNL, 1197' FWL, Unit E	22	17S	31E	Pending	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	448' 4000'	325 1250			Completion is pending	BLM LC-029419-A
SU #44	The Wiser Oil Co.	1980' FNL, 1980' FWL, Unit F	22	17S	31E	3-13-59	~~O~~ WIW	~~3571'~~ 3808'	10" 7 7/8"	8 5/8" 5 ½"	680' 3472'	150 360	3472-3571' Open Hole 3376-3458' 3141-3343'	2 3/8" @ 3462'	Estimated TOC 1633' Converted to WIW 4-20-65	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 #37	The Wiser Oil Co.	660' FNL, 660' FEL, Unit A	23	17S	31E	pre 1950	O	3886'		8 5/8" 7" 4 ½"	725' 3290' 3654'	100 150 300	2078-2226' 3240-95' 3304-72' 3408-3500' 3508-45' 3572-79' 3603-10'	2 3/8" @ 3867'	TOC 1475' by Temp Survey SI	BLM LC-029418-A
SU #145	The Wiser Oil Co.	660' FNL, 810' FEL, Unit A	23	17S	31E	8-12-78	~~O~~ P&A	2650'	11" 7 7/8"	8 5/8" 5 ½"	650' 2650'	275 625	2407-2535'	2 3/8" @ 2556'	P&A 2-19-88 See Attached Schematic	BLM LC-029418-A
SU #230	The Wiser Oil Co.	1198' FNL, 1296' FEL, Unit A	23	17S	31E	Pending	O	4100'	12 ¼" 7 7/8"	8 5/8" 5 ½"	440' 4100'	325 1150			Completion is pending	BLM LC-029418-A
SU #38	The Wiser Oil Co.	560' FNL, 1980' FEL, Unit B	23	17S	31E	4-15-66	~~O~~ WIW	3935'	11" 7 7/8"	8 5/8" 5 ½"	626' 3935'	350 250	3313-3618' 3842-3903'	2 3/8" @ 3559'	TOC @ 1850' by Tmp Svy Converted to WIW 3-11-68	BLM LC-029418-A
SU #229	The Wiser Oil Co.	1219' FNL, 2344' FEL, Unit B	23	17S	31E	Pending	O	4025'	12 ¼" 7 7/8"	8 5/8" 5 ½"	447' 4025'	325 1000			Completion is pending	BLM LC-029418-A
SU #39	The Wiser Oil Co.	660' FNL, 1980' FWL, Unit C	23	17S	31E	5-1-45	O	3854'		8 5/8" 7"	678' 3250'	50 150	3250-3840' Open Hole	2 3/8" @ 3747'	TOC 1860' by Cement Bond Log	BLM LC-029418-A
SU #146	The Wiser Oil Co.	810' FNL, 1980' FWL, Unit C	23	17S	31E	8-12-78	O	2650'	11" 7 7/8"	8 5/8" 5 ½"	615' 2650'	275 525	2358-80'	2 3/8" @ 2510'		BLM LC-029418-A
SU #48	The Wiser Oil Co.	1980' FNL,1980' FWL, Unit F	23	17S	31E	3-30-67	~~O~~ WIW	3856'	10" 8"	8 5/8" 7"	740' 3248'	125 150	3712-3846' 3221-3638'	2 3/8" @ 3692'	TOC @ 1836' by Tmp Svy Converted to WIW 3-11-68	BLM LC-029418-A
SU #241	The Wiser Oil Co.	2558' FNL, 1455' FWL, Unit F	23	17S	31E	12-9-96	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	435' 4000'	325 1150	3364-3520'	2 7/8" @ 3601		BLM LC-029418-A
SU #49	The Wiser Oil Co.	1980' FNL, 1980' FEL, Unit G	23	17S	31E	2-1-45	O	3919'		8 5/8" 7"	694' 3250'	75 150	2320-2443' 3410-70' 3540-3620'	2 3/8" @ 3919'	TOC 1850' by Temp Survey	BLM LC-029418-A
SU #143	The Wiser Oil Co.	2310' FNL, 1980' FEL, Unit G	23	17S	31E	7-4-78	O	2638'	11" 7 7/8"	8 5/8" 5 ½"	619' 2637'	275 750	2365-2483'	2 3/8" @ 2507'		BLM LC-029418-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 #243	The Wiser Oil Co.	2616' FNL, 1343' FEL, Unit G	23	17S	31E	Pending	O	4050'	12 ¼" 7 7/8"	8 5/8" 5 ½"	447' 4050'	325 1150			Completion is pending	BLM LC-029418-A
SU #50	The Wiser Oil Co.	1980' FNL, 660' FEL, Unit H	23	17S	31E	5-1-45	~~O~~ P&A	3855'		8 5/8" 7"	711' 3265'	75 150			TOC 1720' by Temp Survey P&A 8-9-88 See Attached Schematic	BLM LC-029418-A
SU #144	Texaco Producing Co.	1830' FNL, 810' FEL, Unit H	23	17S	31E	9-7-78	~~O~~ P&A	2700'	11" 7 7/8"	8 5/8" 5 ½"	667' 2699'	325 660	2384-2518'	2 3/8" @ 2559'	P&A 2-19-88 See Attached Schematic	BLM LC-029418-A
SU #141	The Wiser Oil Co.	2210' FSL, 660' FEL, Unit I	23	17S	31E	7-6-78	O	2700'	11" 7 7/8"	8 5/8" 5 ½"	668' 2700'	350 625	2392-2512'	2 3/8" @ 2546'	TA/CIPB @ 2350'/35' (4sx) cement on top	BLM LC-029418-B
SU #70	The Wiser Oil Co.	1980' FSL, 660' FEL, Unit I	23	17S	31E	11-24-40	O	3890'	13" 8 7/8"	10 ¾" 7"	600' 3223'	100 200	3288-3701' 3764-3866'	2 3/8" @ 3690'	Estimated TOC 2133' TA 5-12-92	BLM LC-029418-B
SU #71	The Wiser Oil Co.	1980' FSL, 1980' FEL, Unit J	23	17S	31E	8-1-47	~~O~~ ~~WIW~~ P&A	3872'	11 ¼" 8 ¼" 7 7/8"	8 5/8" 7" 4 ½"	751' 3202' 3855'	95 150 700	3243-3830'	2 3/8" @ 3161'	Estimated TOC 1135' Conv to WIW 3-13-68 P&A 4-27-82 See Attached Schematic	BLM LC-029418-B
SU #242	The Wiser Oil Co.	2630' FSL, 2581' FEL, Unit J	23	17S	31E	Pending	O	4025'	12 ¼" 7 7/8"	8 5/8" 5 ½"	449' 4025'	325 950			Completion is pending	BLM LC-029418-B
SU #255	The Wiser Oil Co.	1333' FSL, 2596' FEL, Unit J	23	17S	31E	Pending	O	4100'	12 ¼" 7 7/8"	8 5/8" 5 ½"	443' 4100'	325 1100			Completion is pending	BLM LC-029418-B
SU #256	The Wiser Oil Co.	1403' FSL, 1387' FEL, Unit J	23	17S	31E	11-27-96	O	4050'	12 ¼" 7 7/8"	8 5/8" 5 ½"	442' 4050'	325 1250	3378-3588' 3717-22' 3778-3845' 3877-3918'	2 7/8" @ 3981'		BLM LC-029418-B
SU #72	The Wiser Oil Co.	1980' FSL, 1980' FWL, Unit K	23	17S	31E	11-29-61	O	3854'	11" 7 7/8"	8 5/8" 4 ½"	816' 3854'	325 400	3258-3683' 3747-95' 3808-30'	2 3/8" @ 3570'	TOC 1400' by Temp Survey	BLM LC-029418-B
SU #142	The Wiser Oil Co.	1980' FSL, 2310' FWL, Unit K	23	17S	31E	7-17-78	O	2650'	11" 7 7/8"	8 5/8" 5 ½"	650' 2649'	275 600	2354-2479'	2 3/8" @ 2508'		BLM LC-029418-B
SU #73	The Wiser Oil Co.	2130' FSL, 660' FWL, Unit L	23	17S	31E	12-8-61	~~O~~ WIW	3835'	11" 7 7/8"	8 5/8" 4 ½"	779' 3834'	350 400	3769-3814'	2" @ 3550'	Estimated TOC 2280' Converted to WIW 3-11-68	BLM LC-029418-B
SU #254	The Wiser Oil Co.	1360' FSL, 1229' FWL, Unit L	23	17S	31E	Pending	O	4050'	12 ¼" 7 7/8"	8 5/8" 5 ½"	441' 4050'	325 1250			Completion is pending	BLM LC-029418-B
SU #79	The Wiser Oil Co.	660' FSL, 1980' FWL, Unit N	23	17S	31E	4-3-60	~~O~~ WIW	~~3798'~~ 3894'	10" 8"	8 5/8" 5 ½"	778' 3634'	100 375	3634-3798' Open Hole 3281-3610'	2" @ 3602'	Estimated TOC 1831' Converted to WIW 8-17-70	BLM LC-029418-B
SU #80	The Wiser Oil Co.	660' FSL, 1980' FEL, Unit O	23	17S	31E	5-28-60	O	3878'	10" 8"	8 5/8" 5 ½"	785' 3758'	100 375	3269-3581' 3597-3710'	2 3/8" @ 3833'	TOC 1330' by Cement Bond Log	BLM LC-029418-B
SU #139	The Wiser Oil Co.	510' FSL, 1980' FEL, Unit O	23	17S	31E	6-20-78	O	2679'	11" 7 7/8"	8 5/8" 5 ½"	699' 2679'	275 800	2378-2469'	2 3/8" @ 2489'		BLM LC-029418-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
SU #81	The Wiser Oil Co.	810' FSL, 660' FEL, Unit P	23	17S	31E	7-2-60	~~O~~ WIW	~~3840'~~ 3910'	10" 8"	8 5/8" 5 ½"	799' 3784'	100' 375'	3784-3940' Open Hole 3300-3618' 3625-3745'	2 3/8" @ 3804'	Estimated TOC 1981' Converted to WIW 8-14-70	BLM LC-029418-B
SU #140	The Wiser Oil Co.	810' FSL, 810' FEL, Unit P	23	17S	31E	9-11-78	O	2700'	11" 7 7/8"	8 5/8" 5 ½"	690' 2700'	275 600	2414-2542'	2 3/8" @ 2584'		BLM LC-029418-B
Puckett "A" #28	William A. & Edward R. Hudson	25' FNL, 1345' FWL, Unit C	24	17S	31E	10-16-64	WIW	3946'	11" 8"	8 5/8" 5 ½"	595' 3943'	100 300	3678-3702' 3916-26'	2 3/8" @ 3618'	Estimated TOC 2501'	BLM LC-029415-A
Puckett "A" #13	Wm. A. & Ed. R. Hudson	660' FNL, 660' FWL, Unit D	24	17S	31E	Pre 1952	O	3980						3510'	Incomplete OCD File	BLM LC-029415-A
Puckett "A" #26	William A. and Edward R. Hudson	1295' FNL, 1295' FWL, Unit D	24	17S	31E	11-3-64	~~O~~ WIW	5250'	13 ¾" 9 7/8" 6 ¾"	10 ¾" 7 5/8" 5 ½"	273' 4103'	270 400	3640-3658' 3915-3927'	2 3/8" @ 3580'	Estimated TOC 2455' Converted to WIW 12-2-64	BLM LC-029415-A
Puckett "A" #8	William A. & Edward R. Hudson	1980' FSL, 660' FWL, Unit L	24	17S	31E	2-27-41	O	3956'		10" 7"	605' 3300'	80 150		2 3/8" @ 3965'	TOC 1060' by Tmp Svy Deepened 5-1-73	BLM LC-029415-A
Lea D #1	Apache Corp.	660' FNL, 1980' FEL, Unit B	26	17S	31E	8-17-60	~~O~~ WIW	3873'	10" 8"	8 5/8" 5 ½"	822' 3830'	100 355		2" @ 3822'	Estimated TOC 2123' Converted. to WIW 10-2-70 TA	BLM LC-029418-B
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 LC-029420-B
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 LC-029420-B
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 LC-029420-B
SU #91	The Wiser Oil Co.	660' FNL, 660' FWL, Unit D	28	17S	31E	11-16-46	~~O~~ ~~WIW~~ P&A	3724'	12 ¼" 8 ¼"	10 ¾" 7"	650' 3025'	100 150	2193-2245' 3343-65' 3487-3525'		TOC 1360' by Temp Survey Conv to WIW 3-31-71 P&A 5-12-90 See Attached Schematic	BLM LC-029420-B
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 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" 2 7/8" @ 3411' & 2965'	Estimated TOC 2036' P&A 11-28-90 See Attached Schematic	BLM LC-029420-B
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 LC-029420-B

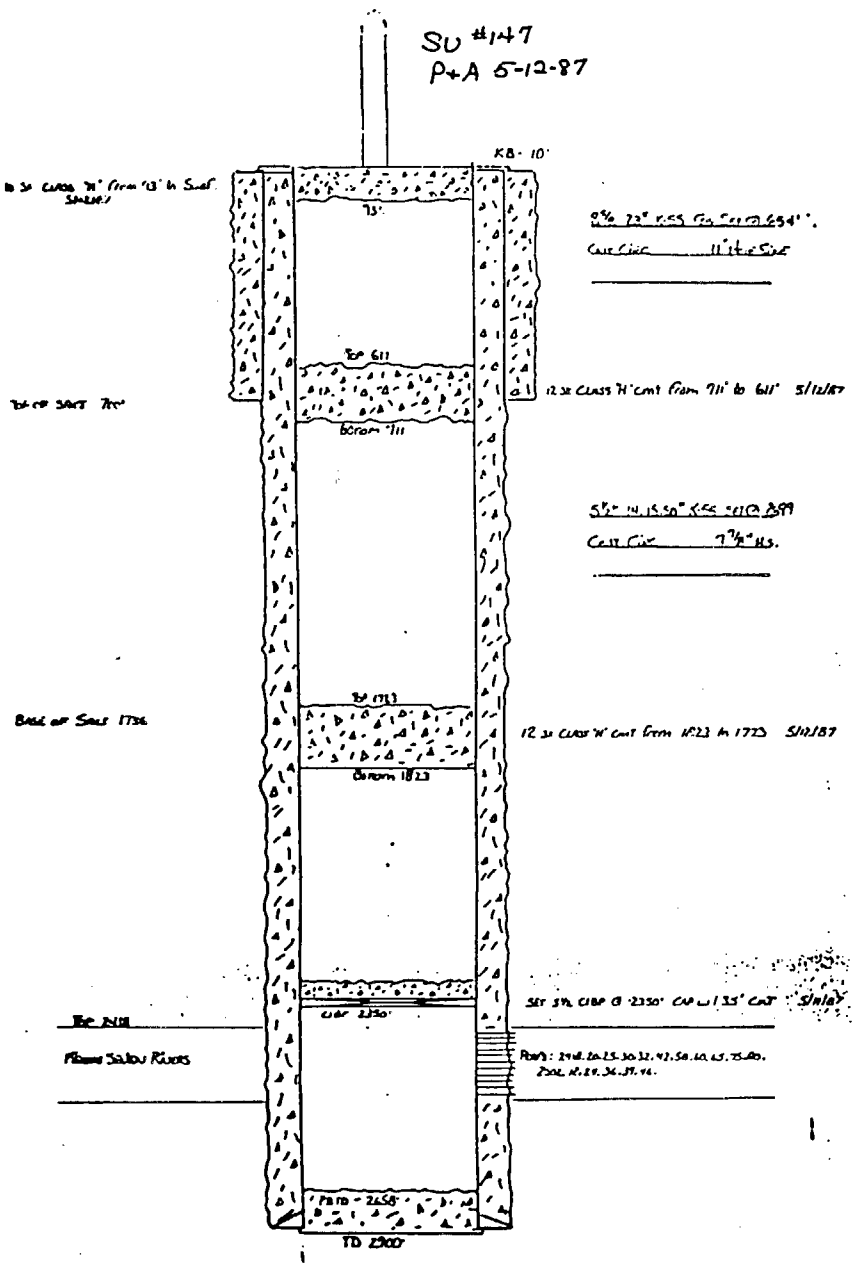
SU C-108 HALF-MILE WELL DATA SHEET

NAME	OPERATOR	LOCATION	SEC	TSHP	RG	COMPL DATE	TP	TD	HOLE SIZE	CSG SIZE	DEPTH SET	SX CMT	PERFS	TBG/ PKR	COMMENTS	LEASE
SU #283	The Wiser Oil Co.	2598' FNL, 1279' FWL, Unit E	28	17S	31E	Pending	O	4000'	12 ¼" 7 7/8"	8 5/8" 5 ½"	439' 4000'	425 1500			Completion is pending	BLM LC-029420-B
SU #93	The Wiser Oil Co.	1980' FNL, 1980' FWL, Unit F	28	17S	31E	12-28-59	~~O~~ WIW	3700'		8 5/8" 5 ½"	682' 3609'	95 365	3500-79'		TOC 1410' by Temp Survey Conv to WIW TA 7-25-88	BLM LC-029420-B
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'	Completion is pending	BLM LC-029420-B
SU #284	The Wiser Oil Co.	2600' FNL, 2564' FEL, Unit G	28	17S	31E	7-15-96	P&A	4150'	12 ¼" 7 7/8"	8 5/8"	447'	425	3554-4070'		P&A 7-15-96 See Attached Schematic	BLM LC-029420-B
SU 284-Y	The Wiser Oil Co.	2586' FSL, 2535' FEL, Unit J	28	17S	31E	Pending	O	4025'	12 ¼" 7 7/8"	8 5/8" 5 ½"	436' 4025'	250 1750			Completion is pending	BLM LC-029420-B
SU #99	The Wiser Oil Co.	1980' FSL, 1980' FWL, Unit K	28	17S	31E	4-21-60	~~O~~ P&A	3780'	10" 8"	8 5/8" 5 ½"	732' 3688'	100 425	3326-3574' 3688-3780'	2" @ 3750'	TOC 1422' by Temp Survey P&A 9-15-88 See Attached Schematic	BLM LC-029420-B
SU #155	Texaco Prod. Inc.	2130' FSL, 1980' FWL, Unit K	28	17S	31E	6-15-78	~~O~~ P&A	2680'	11" 7 7/8"	8 5/8" 5 ½"	648' 2678'	275 1000	2354-2439'	2 3/8" @ 2482'	P&A 9-21-90 See Attached Schematic	BLM LC-029420-B
SU #161	The Wiser Oil Co.	1650' FSL, 2310' FWL, Unit K	28	17S	31E	4-25-95	O	12,080 '	14 ¾" 11" 7 7/8"	11 ¾" 8 5/8" 5 ½"	653' 5040' 12,080'	795 1710 700	11796-804' 11298-302' 3677-3680'	None		BLM LC-029420-B
SU #100	The Wiser Oil Co.	1980' FSL, 660' FWL, Unit L	28	17S	31E	12-4-59	~~O~~ ~~WIW~~ P&A	3734'	10" 8"	8 5/8" 5 ½"	707' 3632'	90 370	3522-91'		TOC 1591' by Temp Survey Conv to WIW 3-30-71 P&A 12-17-90 See Attached Schematic	BLM LC-029420-B
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 Schematic	BLM LC-029395-B
Turner B #59	Avon Energy Corp.	560' FNL, 660' FEL, Unit A	29	17S	31E	2-22-59	O	3486'		10 ¾" 5 ½"	593' 3486'	100 210	3290-3300' 3310-3314'	2 3/8" @ 3256'		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 Schematic	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 #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

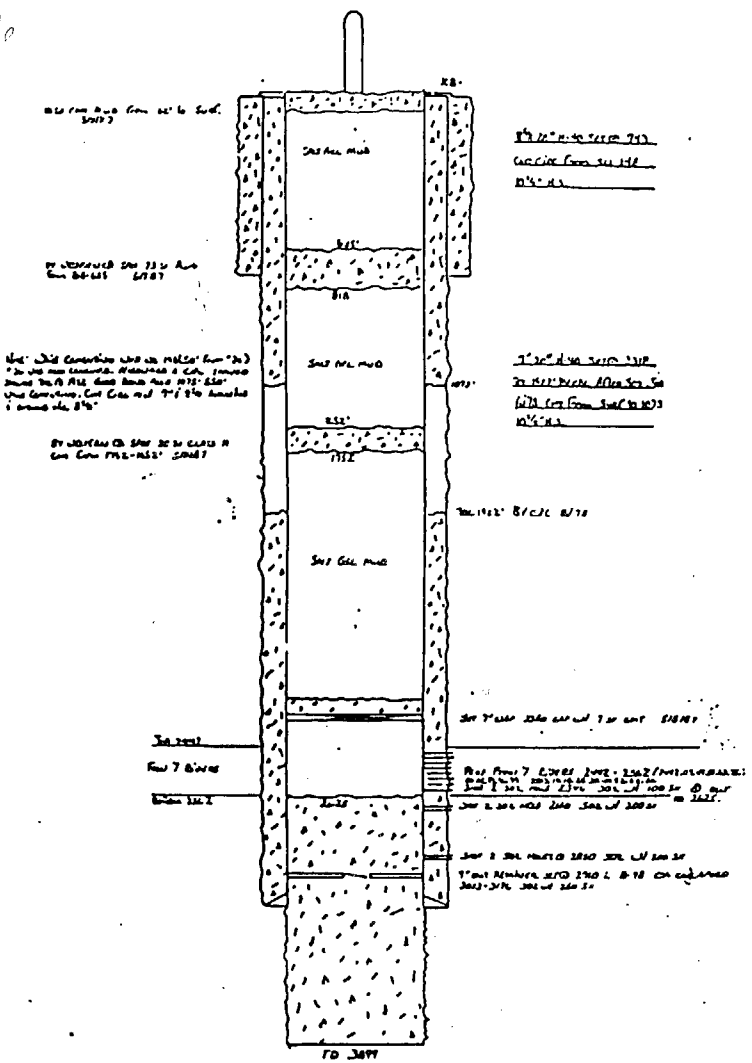
SU C-108 HALF-MILE WELL DATA SHEET

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 #49	Avon Energy Corp.	1980' FNL, 1980' FEL, Unit G	29	17S	31E	10-30-57	O	3600'		10 ¾" 7"	581' 3502'	100 100	3418-3430' 3446-3456'	2" @ 3371'		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'		10 ¾" 5 ½"	631' 3640'	100 100	3600-3608' 3616-3624'	2 3/8" @ 3566'	Converted to WIW 3-11-69	BLM LC-029395-B
Turner B #62	Avon Energy Corp.	1980' FSL, 660' FEL, Unit I	29	17S	31E	7-29-59	O	3690'		8 5/8" 5 ½"	648' 3690'	100 100	3500-3530' 3649-3652' 3656-3674'	2" @ 3486'		BLM LC-029395-B
Turner B #82	Avon Energy Corp.	2550' FSL, 1335' FEL, Unit J	29	17S	31E	11-26-90	O	3724'	12 ¼" 7 7/8"	8 5/8" 5 ½"	602' 3724'	824 1040	3171-3616'	2 7/8" @ 3545'		BLM LC-029395-B

SU #147
P+A 5-12-87

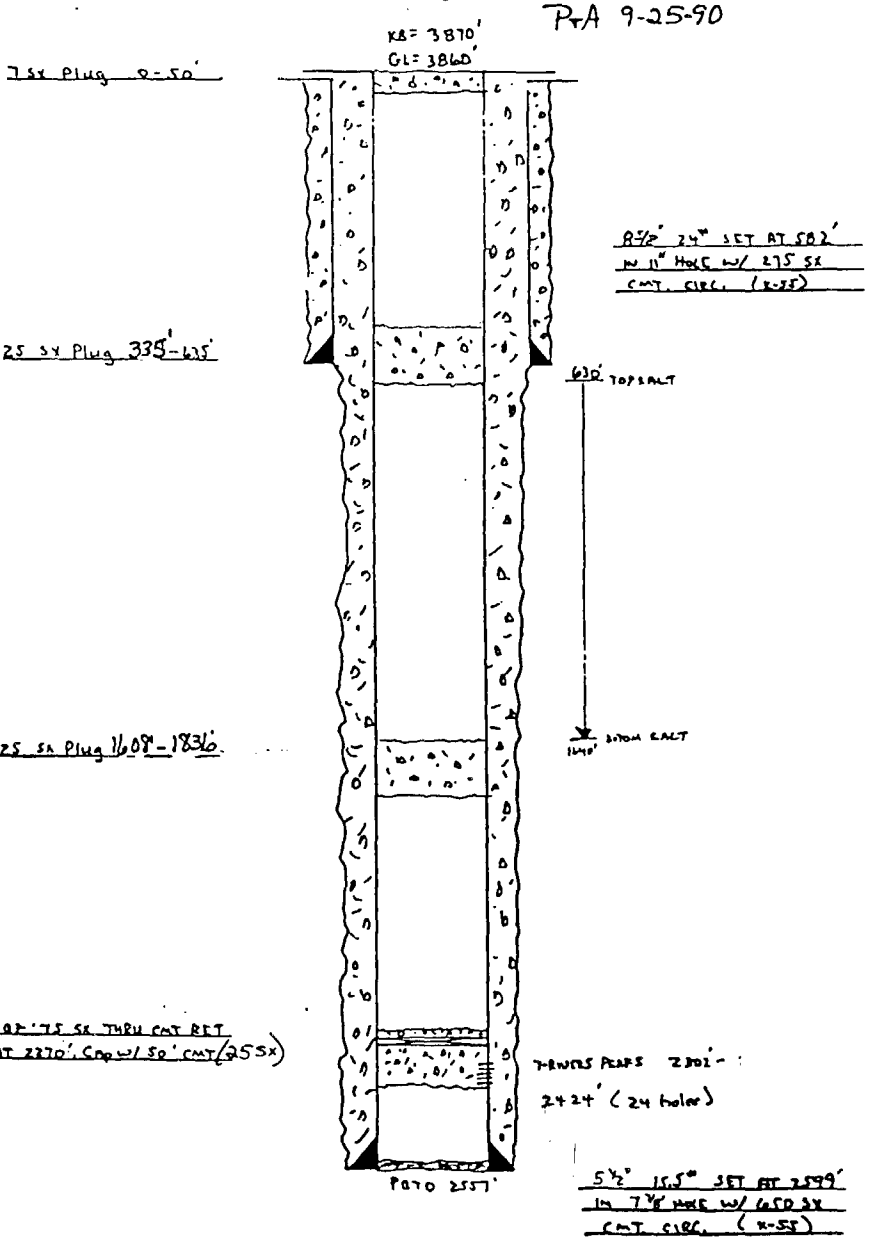


SU #36
P+A 5-8-87

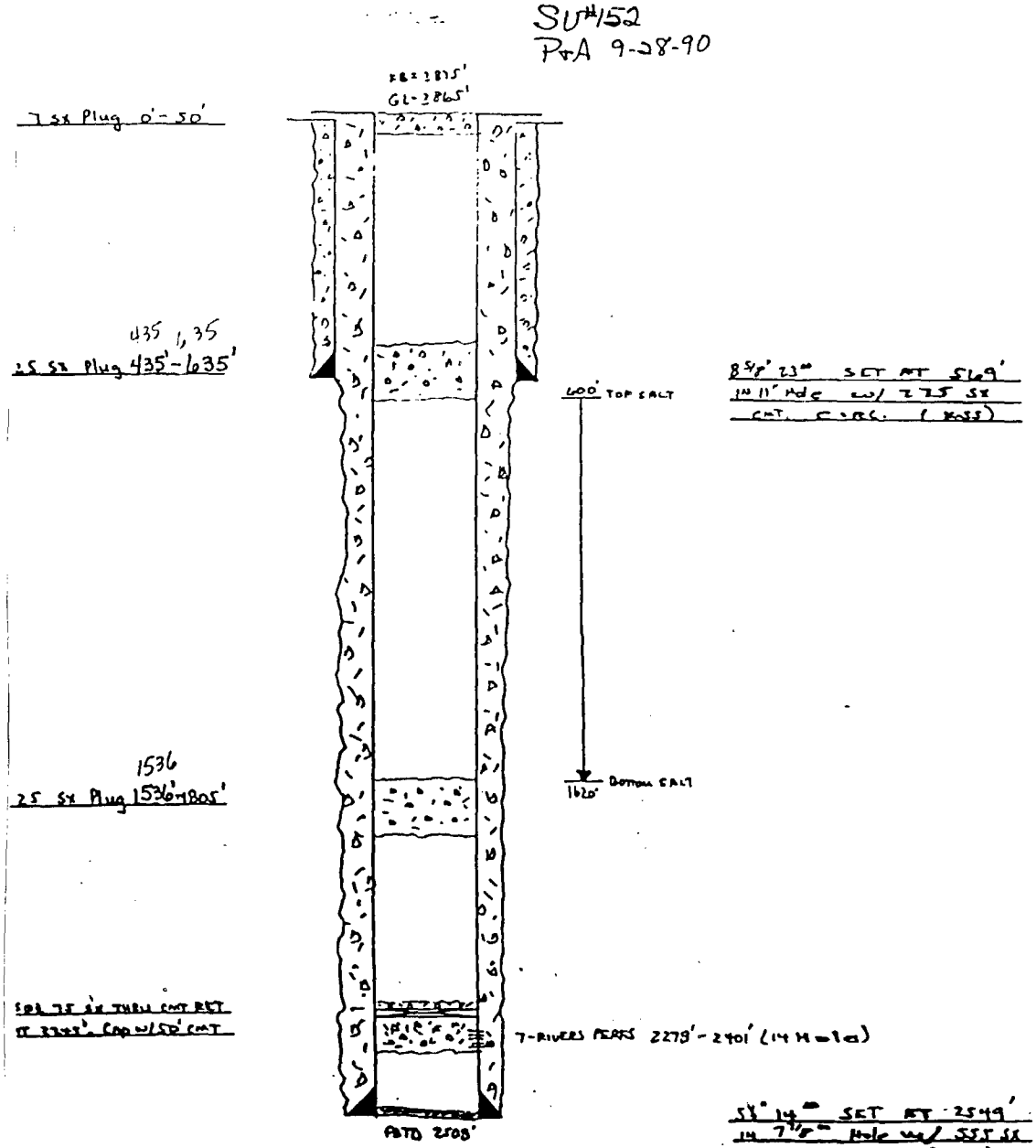


L.M. Lennon MAY 12, 87

SU #151
P+A 9-25-90



SU #152
P+A 9-28-90



SU | WELL No. 30

P+A 7-16-96

Spotted 10 sx plug from 60' - Surface

Spotted 20 sx plug - Tag @ 340'

Spotted 20 sx plug from 383' - 589'

8 5/8 " casing set at 533 ' with 350 sx

Hole size 11 "

Displaced hole/11.3# mud.

Pumped 200 sx Class C/900# into formation

Set cement retainer @ 2100'

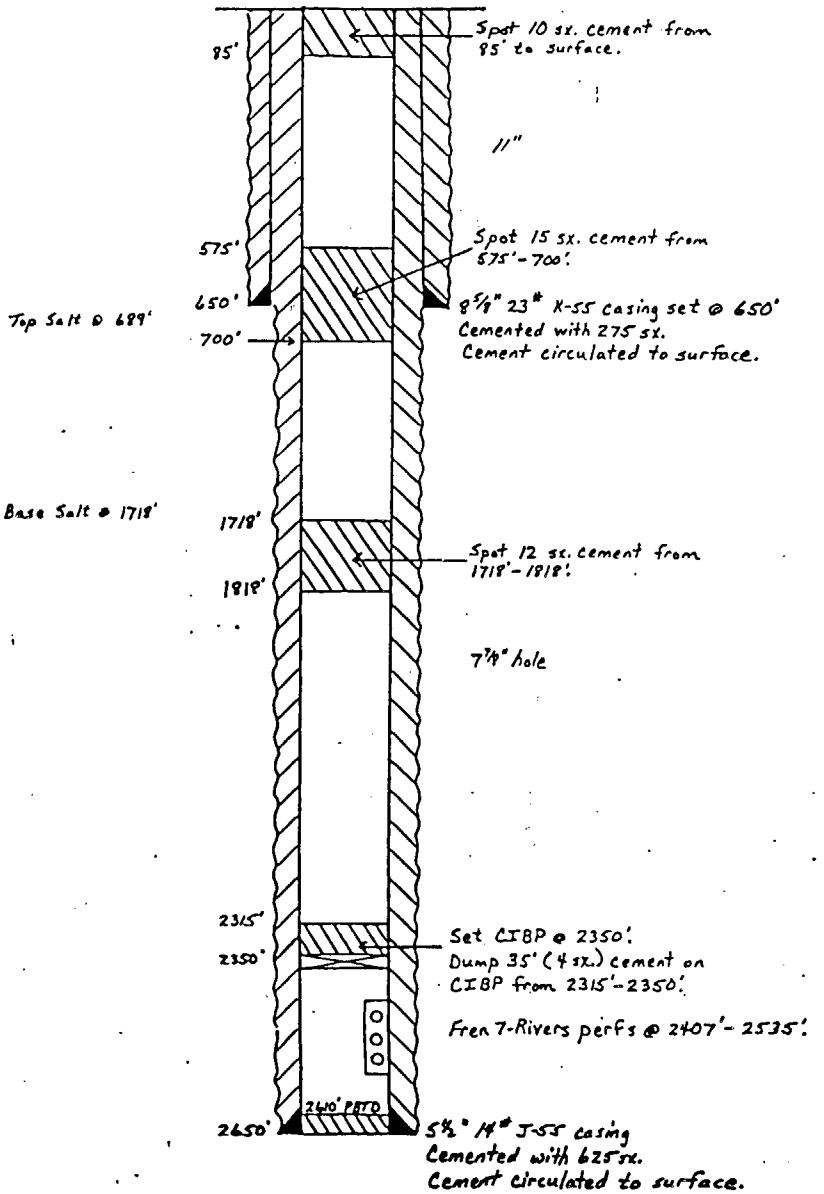
TOC 2695'

5 1/2 " casing set at 3900 ' with 950 sx

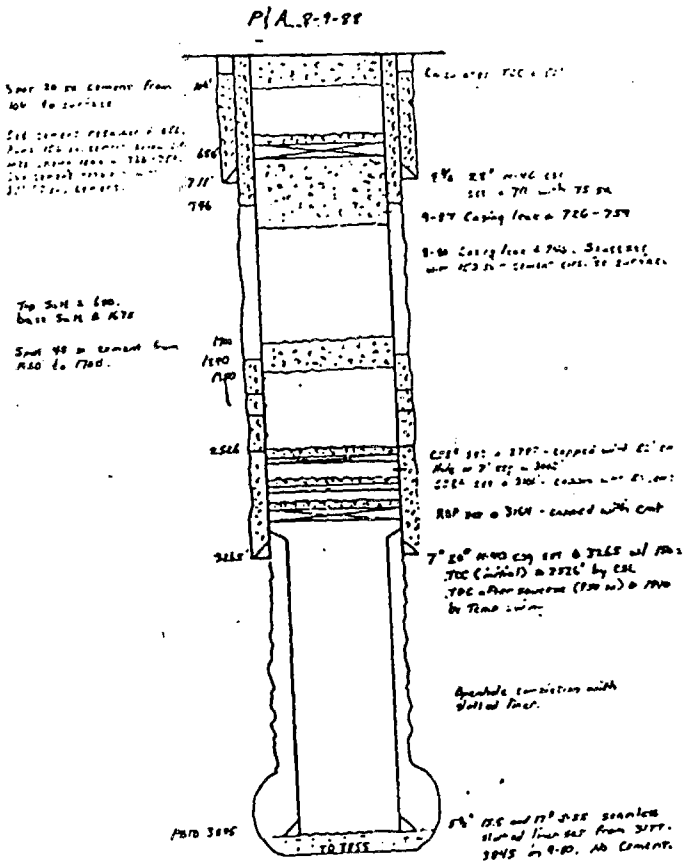
Total Depth 3900 ' Hole size 7 7/8 "

SU # 145

P+A 2-19-88



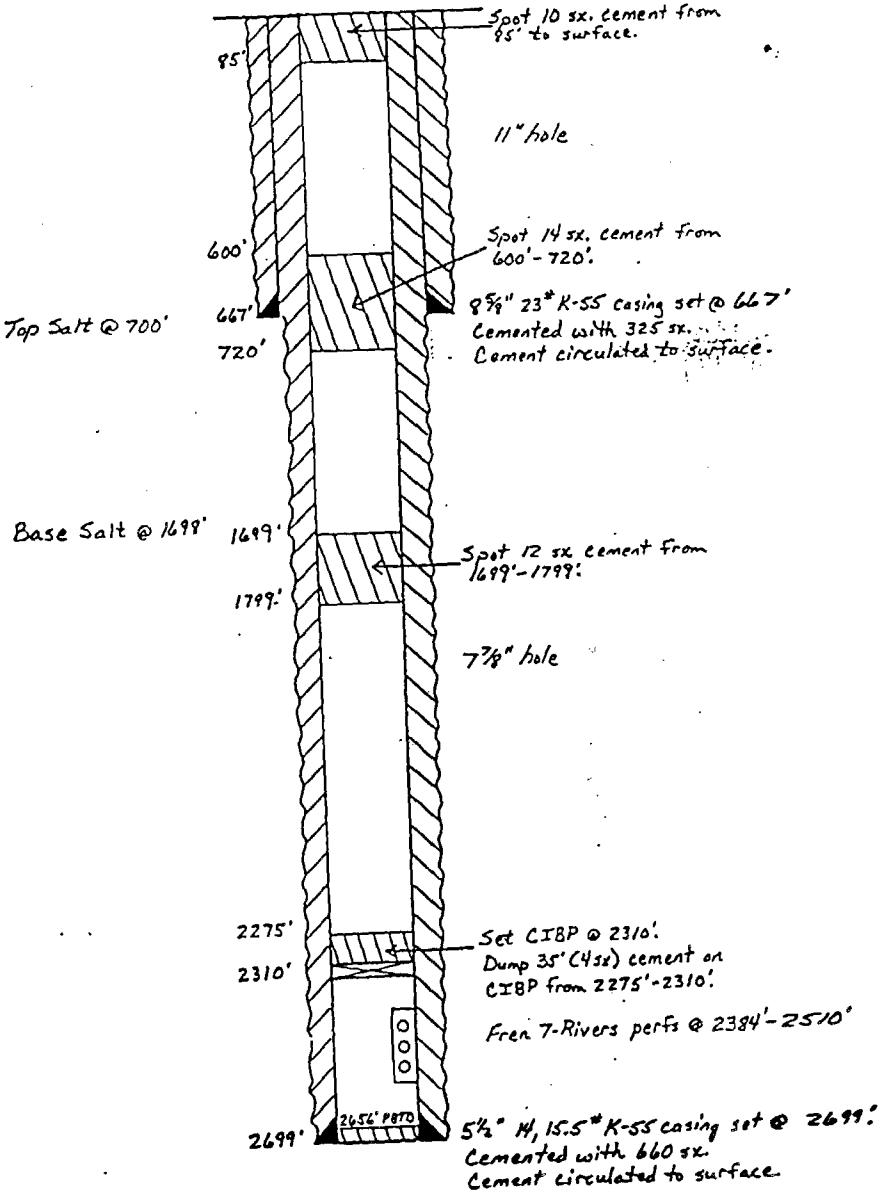
SU #50
P+A 8-9-88



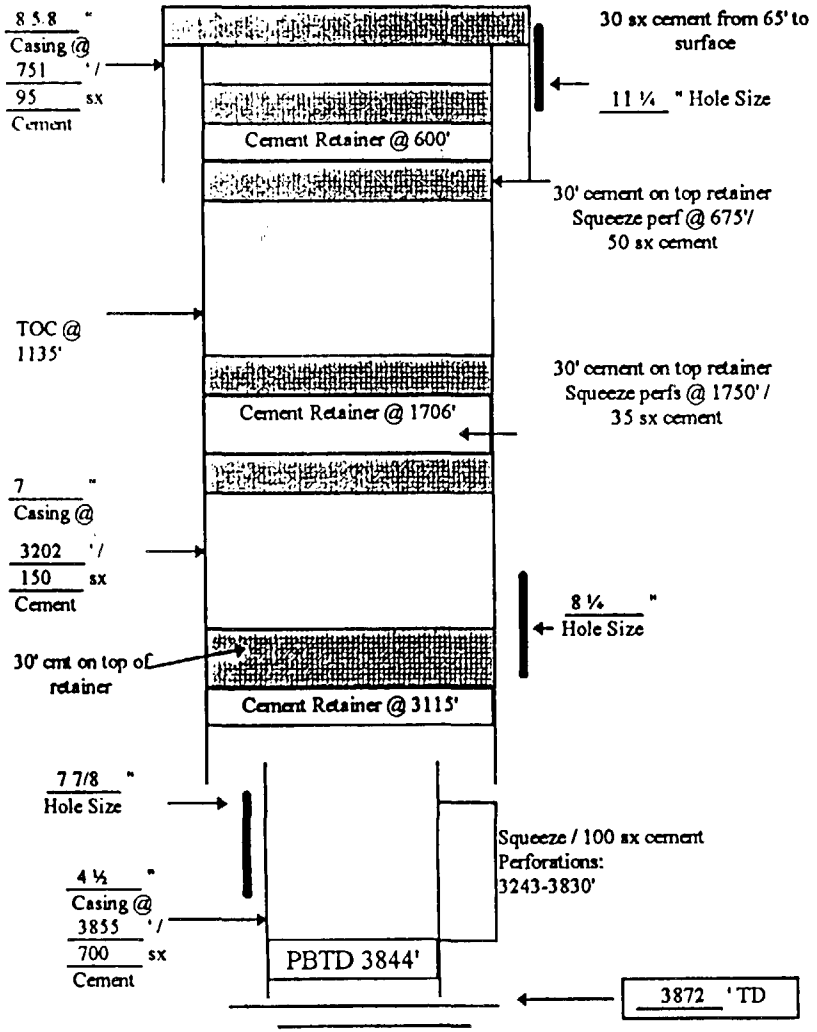
L. M. Lehman
BLM/IBR

SU #144

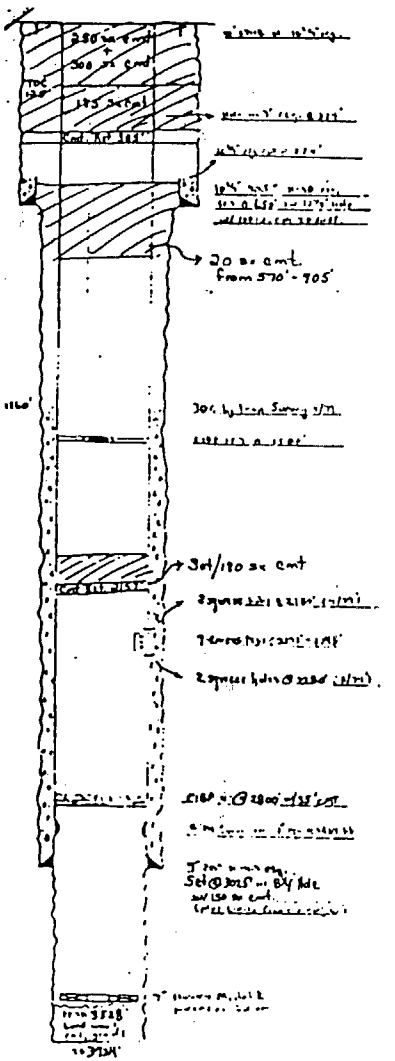
P+A 2-19-88



SU #71
P+A 4-27-82

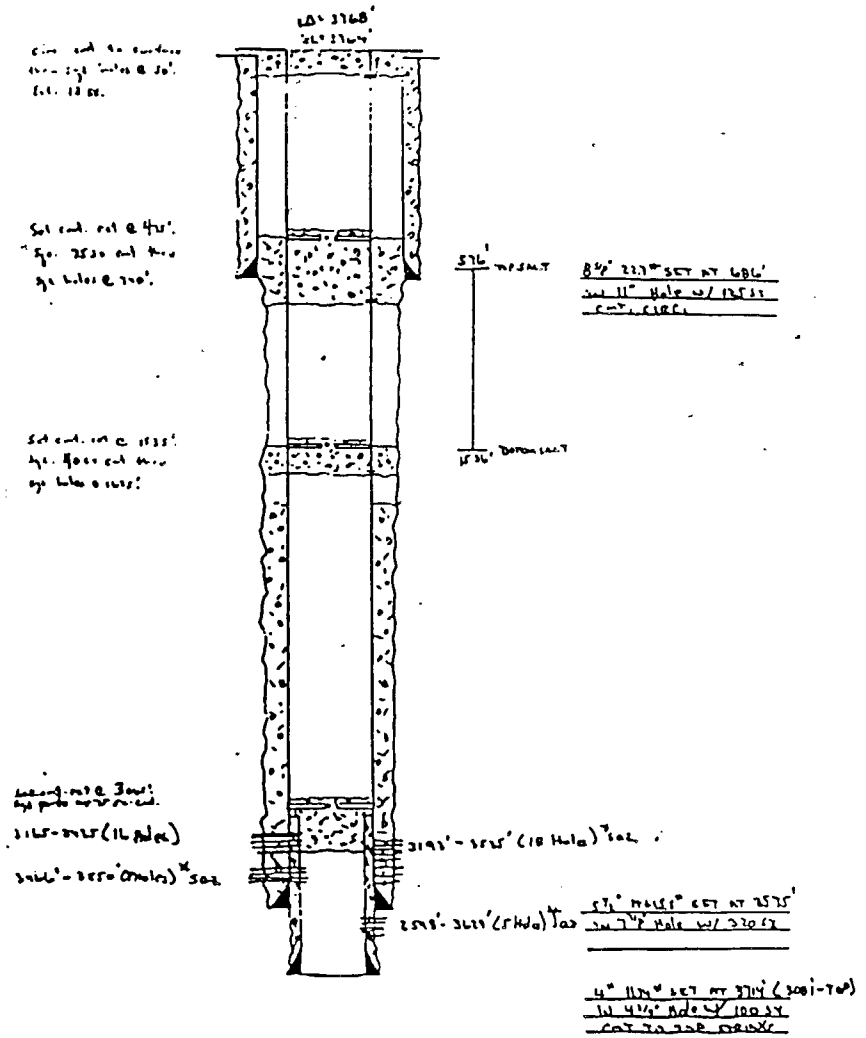


SU #91
P+A 5-12-90

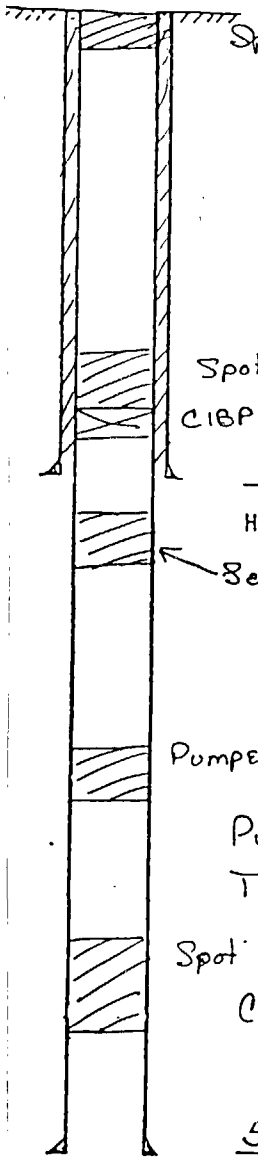


P+A 5-12-90

SU #92
P+A 11-28 90



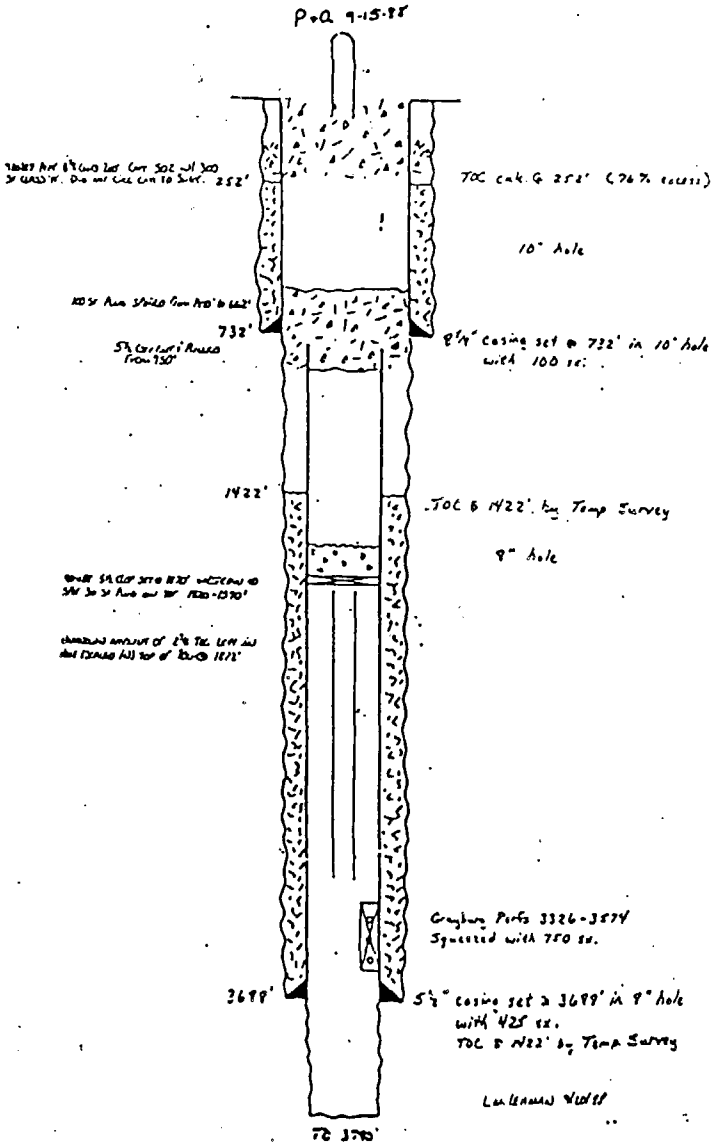
SU | WELL # 284
P+A 7-15-96



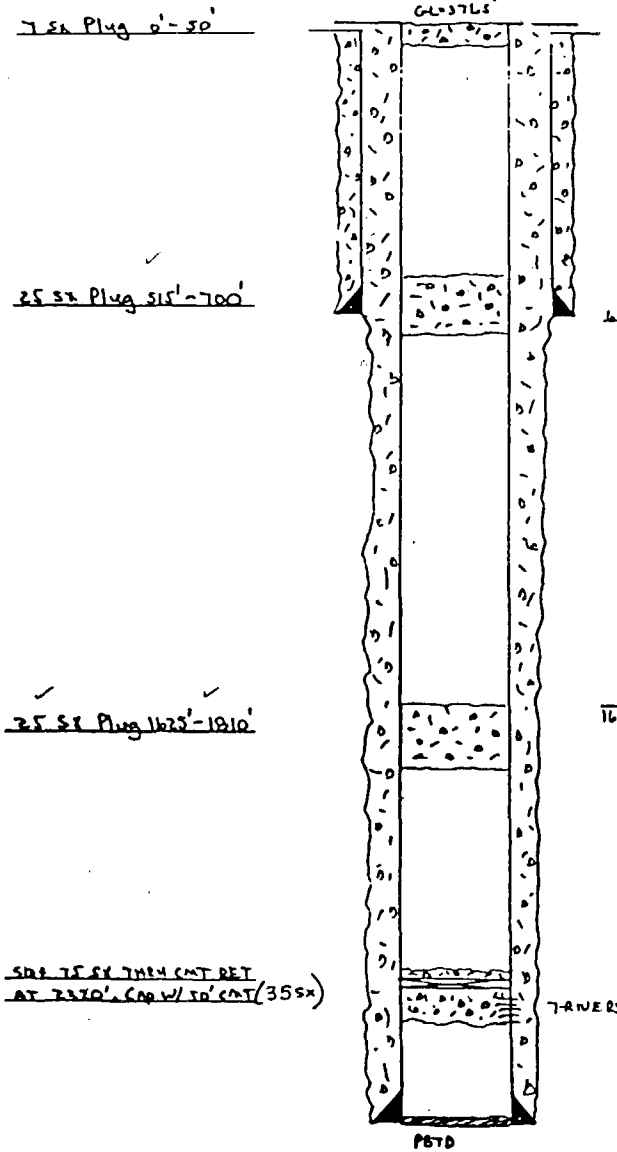
8⅝ " casing set at 447 ' with 425 sx
Hole size 12¼ "

5½ " casing set at _____ ' with _____ sx
Total Depth 4150' Hole size 7⅞ "

SU#99
P+A 9-15-88



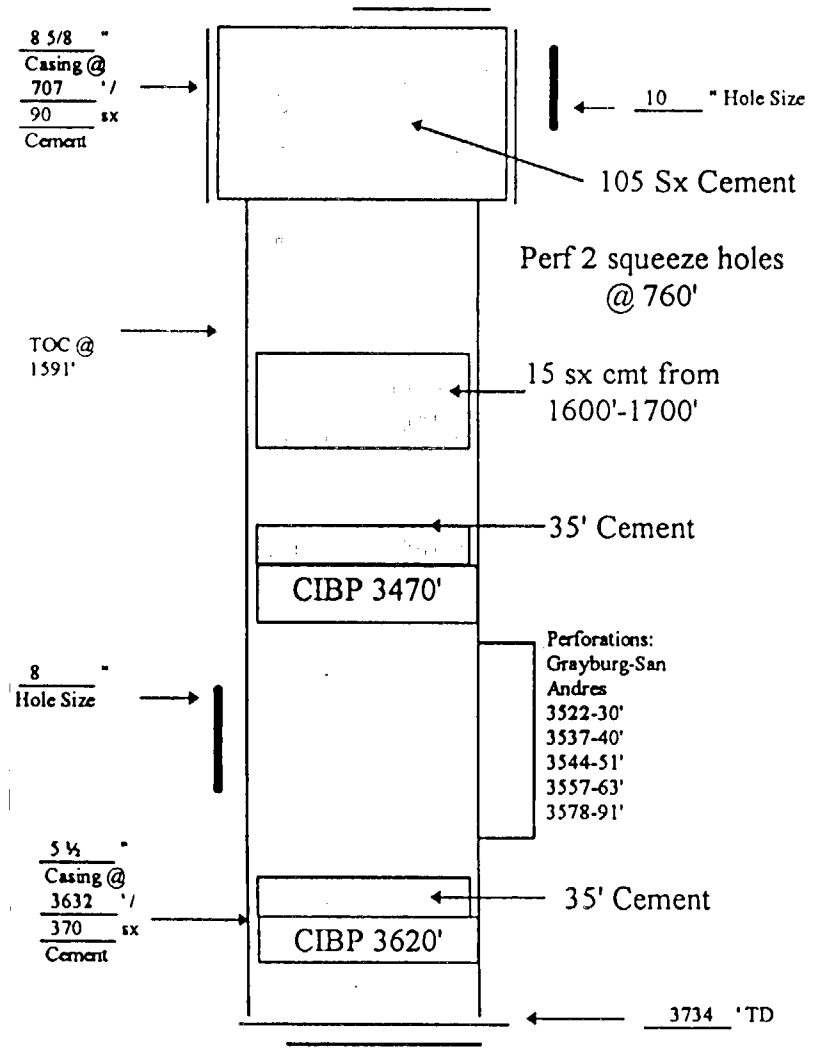
SU#155



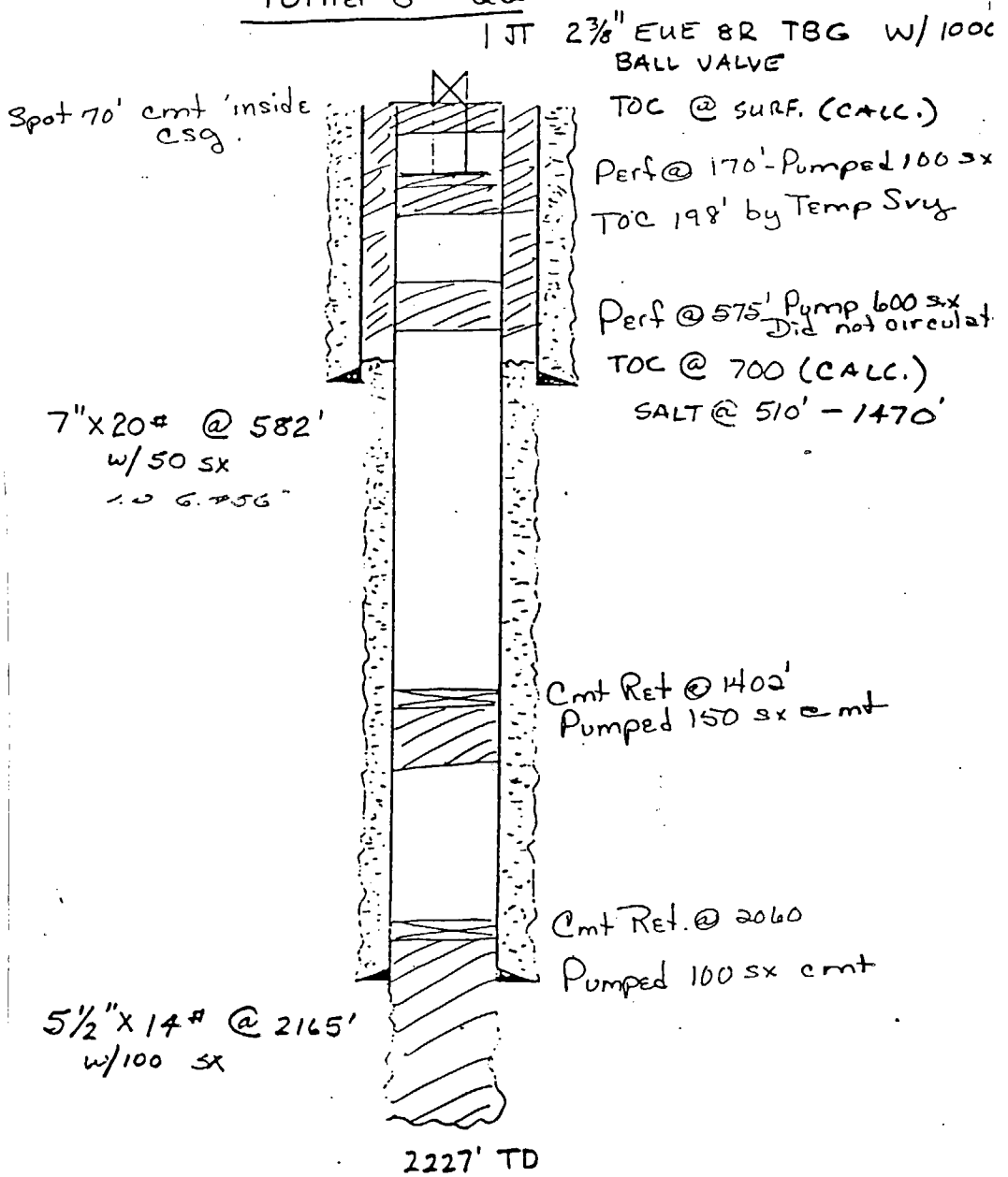
8 5/8" 24# SET AT 668' IN 11" Hole W/ 275 SX CMT. CIRC. (K-55)

5 1/2" 14# SET AT 2678' IN 7 7/8" Hole W/ 1000 SX CMT. CIRC. (K-55)

SU #100
P&A 12-17-90

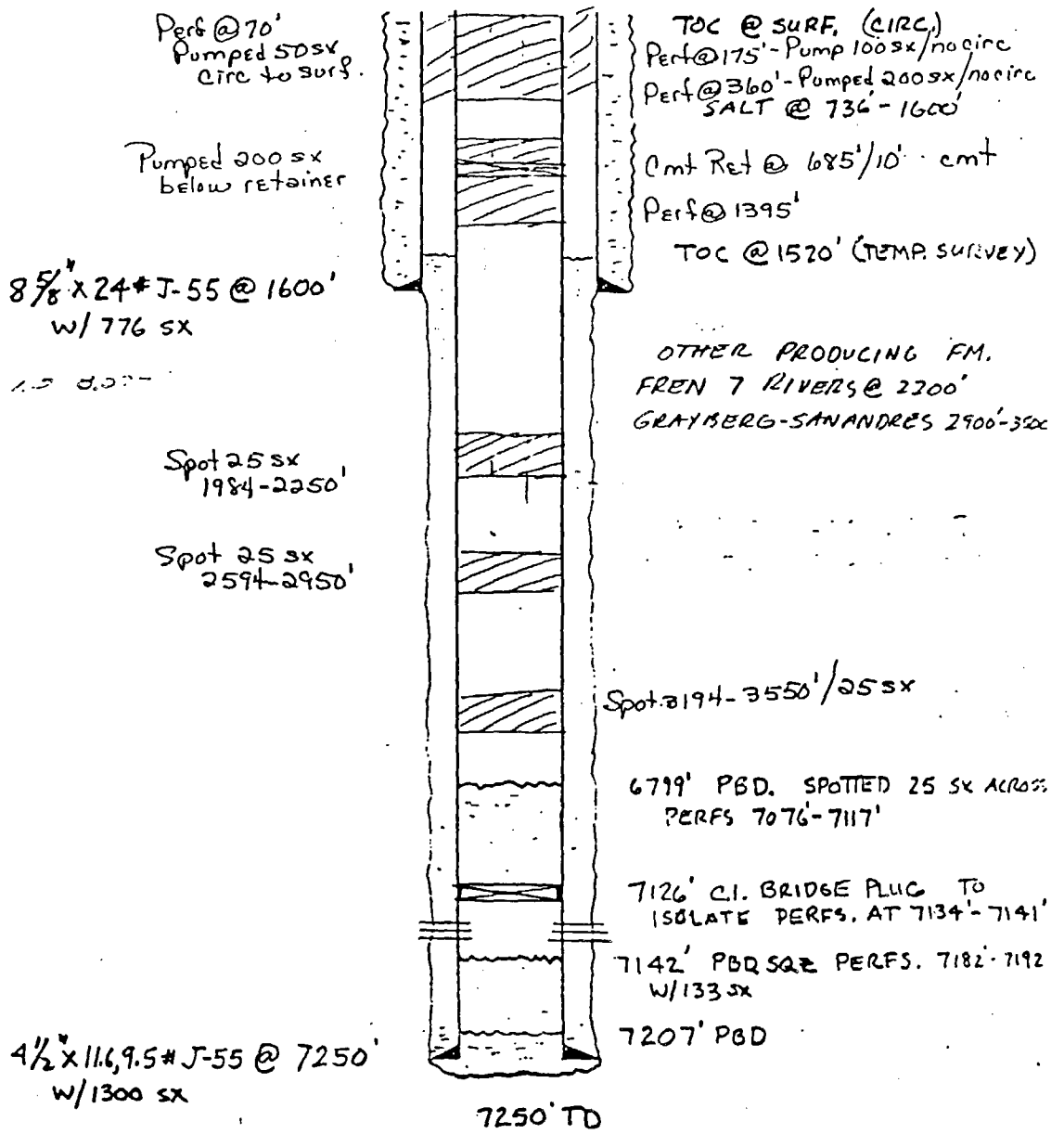


P&A 12-4-86
Turner "B" #22



P+A 12-14-86

Turner "B" #74



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 to be obtained from Double Eagle (City of Carlsbad), as prepared by Joe Hughes of Permian Treating Chemicals, is attached as Exhibit VII-B.

   The Wiser Oil Company will use water from Double Eagle temporarily until water from Conoco has been secured and tied in. At that time, The Wiser Oil Company will provide a Conoco water analysis.

CMU (Produced) Water

Exhibit VII-A-1

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

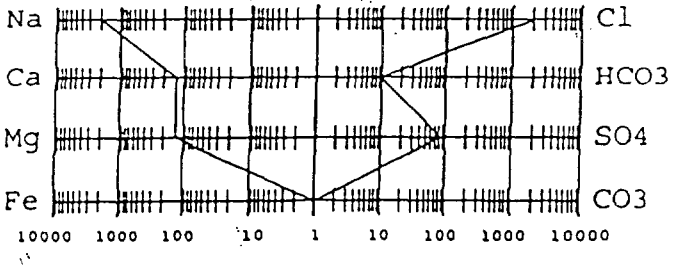
Oil Co. : Wiser Oil Co.
Lease : CMU Battery 'A'
Well No.: Water Transfer Pump
Salesman:

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

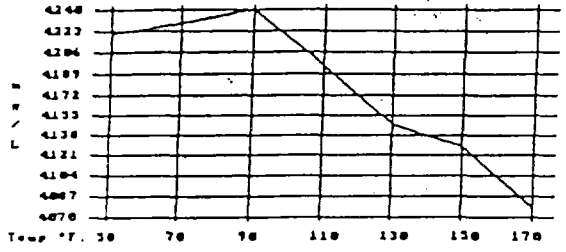
ANALYSIS

1.	pH		6.900		
2.	Specific Gravity 60/60 F.		1.092		
3.	$CaCO_3$ Saturation Index	@ 80 F.	+0.459		
		@ 140 F.	+1.339		
	Dissolved Gasses		MG/L	EQ. WT.	*MEQ/L
4.	Hydrogen Sulfide		60		
5.	Carbon Dioxide		130		
6.	Dissolved Oxygen		0.4		
	Cations				
7.	Calcium	(Ca^{++})	2,505	/ 20.1 =	124.63
8.	Magnesium	(Mg^{++})	1,520	/ 12.2 =	124.59
9.	Sodium	(Na^{+}) (Calculated)	44,953	/ 23.0 =	1,954.48
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^{-})	561	/ 61.1 =	9.18
14.	Sulfate	($SO_4^{=}$)	3,900	/ 48.8 =	79.92
15.	Chloride	(Cl^{-})	74,983	/ 35.5 =	2,112.20
16.	Total Dissolved Solids		128,422		
17.	Total Iron (Fe)		1	/ 18.2 =	0.05
18.	Total Hardness As $CaCO_3$		12,511		
19.	Resistivity @ 75 F. (Calculated)		0.060 /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	9.18	744
$CaSO_4$	68.07	79.92	5,440
$CaCl_2$	55.50	35.53	1,972
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	124.59	5,933
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	1,952.08	114,119

*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, and the presence of H2S, CO2, Oxygen in solution.

CMU (ROUGH) WATER EXHIBIT A-2

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

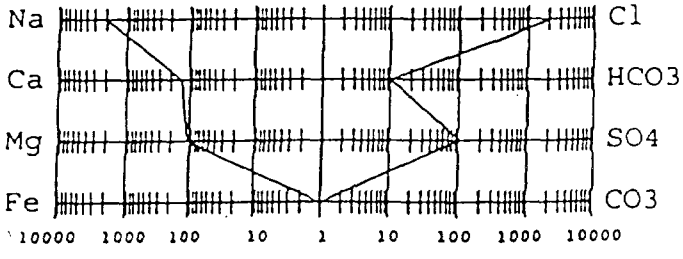
Oil Co. : Wiser Oil Co.
Lease : CMU Battery 'B'
Well No.: Water Transfer Pump
Salesman:

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.

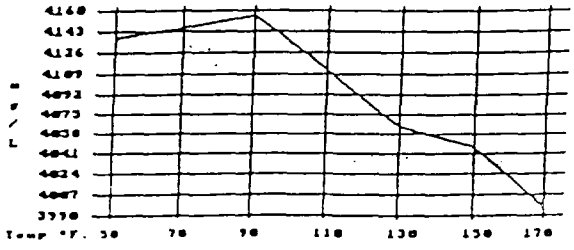


PROBABLE MINERAL COMPOSITION

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

Calcium Sulfate Solubility Profile



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

DUPK EAGLE FRESH (CYRANTAS) WATER

Exhibit VII-B

Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

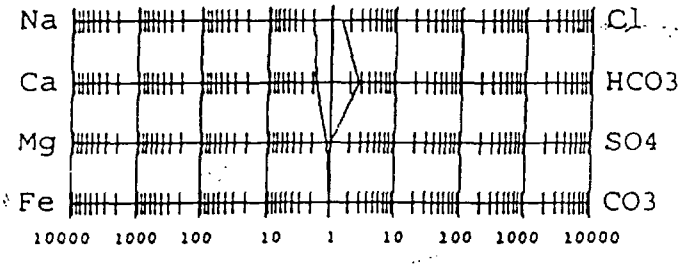
Oil Co. : Wiser Oil Co.
Lease : North Plant
Well No. : Fresh Water
Salesman:

Sample Loc. :
Formation : 06-June-1996
Date Analyzed: 06-June-1996

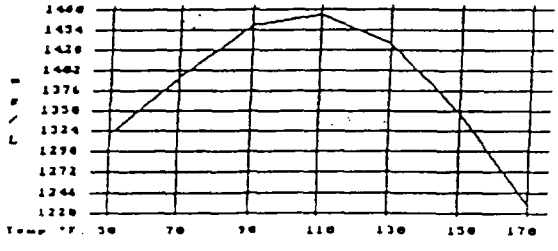
ANALYSIS

1.	pH		7.760		
2.	Specific Gravity 60/60 F.		1.008		
3.	$CaCO_3$ Saturation Index @ 80 F.		+0.429		
	@ 140 F.		+1.029		
	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^{++})	33	/ 20.1 =	1.64
8.	Magnesium	(Mg^{++})	13	/ 12.2 =	1.07
9.	Sodium	(Na^{+}) (Calculated)	42	/ 23.0 =	1.83
10.	Barium	(Ba^{++})	Below 10 (1)		
	Anions				
11.	Hydroxyl	(OH^{-})	0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)	0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})	161	/ 61.1 =	2.64
14.	Sulfate	($SO_4^{=}$)	23	/ 48.8 =	0.47
15.	Chloride	(Cl^{-})	50	/ 35.5 =	1.41
16.	Total Dissolved Solids		322		
17.	Total Iron (Fe)		1	/ 18.2 =	0.05
18.	Total Hardness As $CaCO_3$		138		
19.	Resistivity @ 75 F. (Calculated)		2.310 /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	1.64	133
$CaSO_4$	68.07	0.00	0
$CaCl_2$	55.50	0.00	0
$Mg(HCO_3)_2$	73.17	0.99	73
$MgSO_4$	60.19	0.07	4
$MgCL_2$	47.62	0.00	0
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.40	28
NaCl	58.46	1.41	82

*Milli Equivalents per Liter

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

C-108

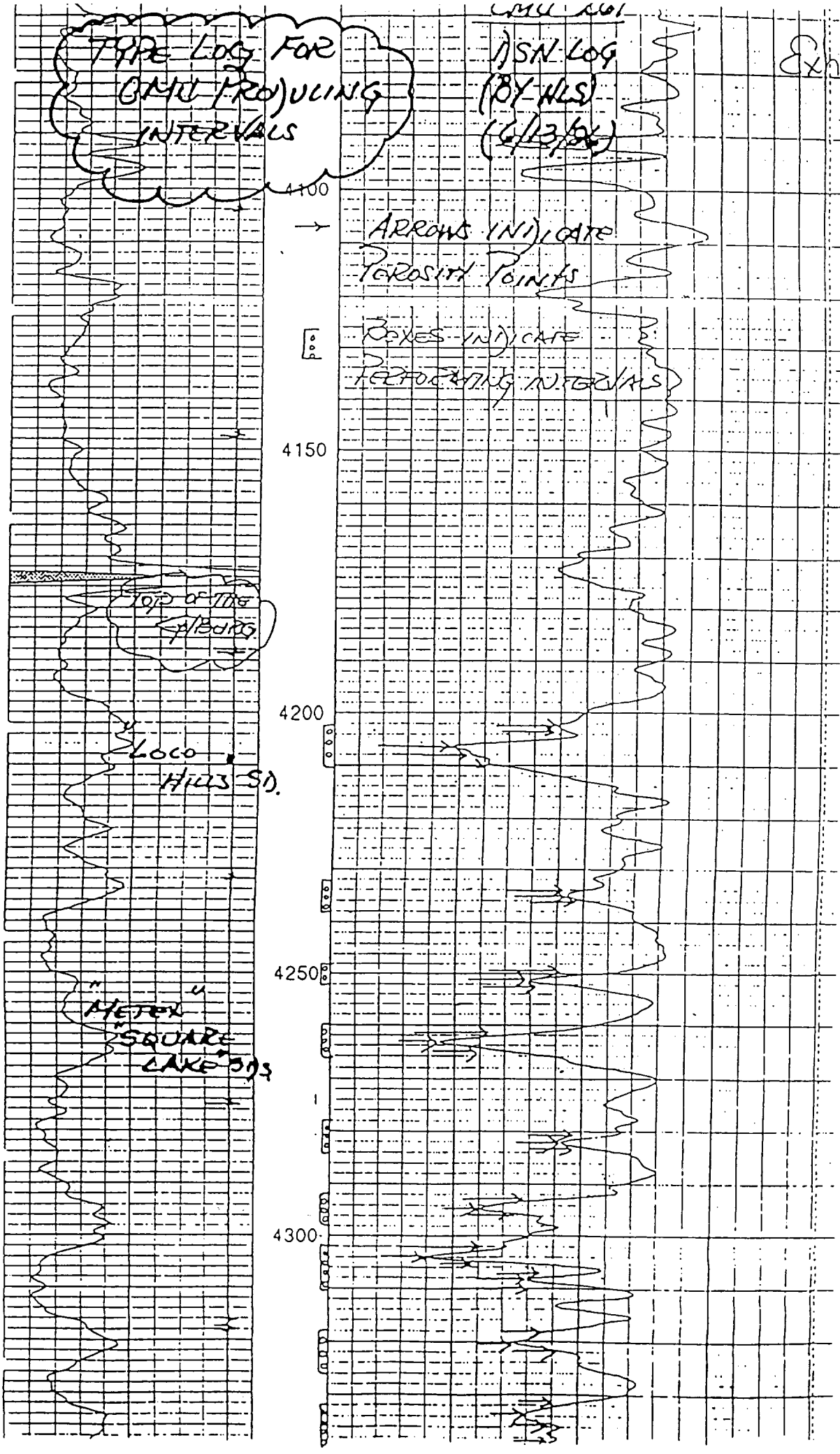
APPLICATION FOR AUTHORIZATION TO INJECT

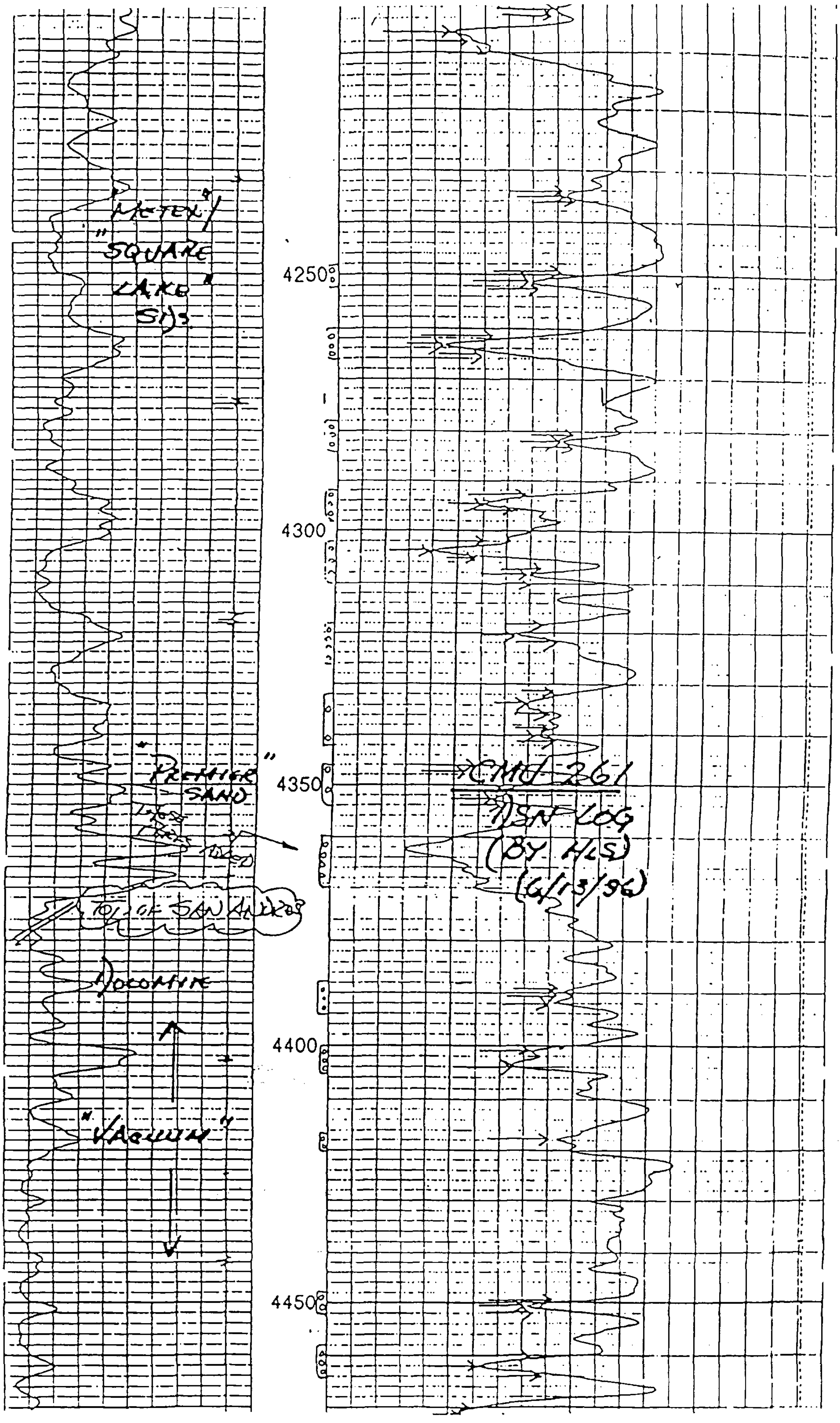
SKELLY UNIT

VIII. GEOLOGICAL DATA

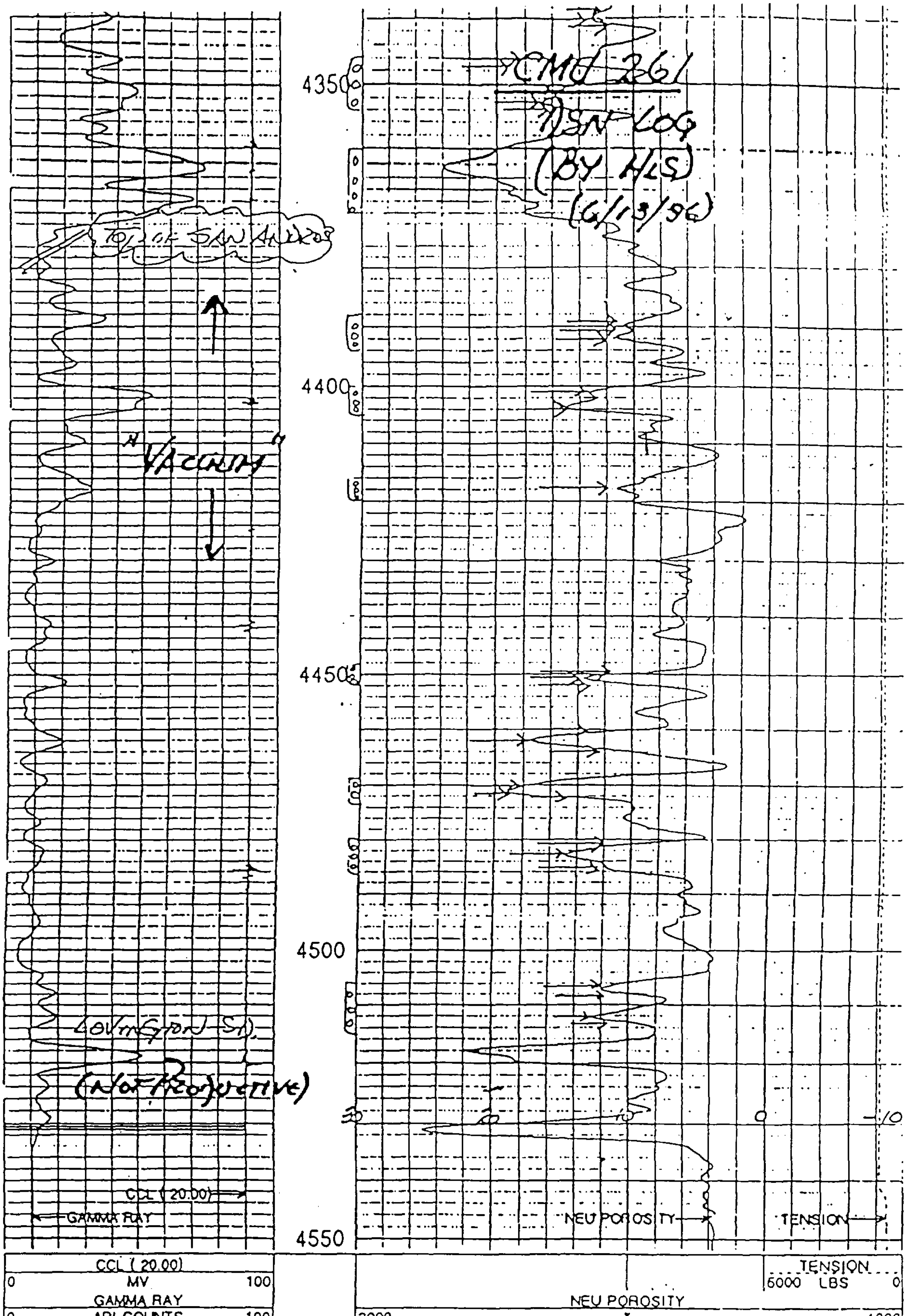
The proposed injection interval is in the Grayburg-San Andres Vacuum formations at an average TD of 3900 feet. The Grayburg formation primarily consists of quartz sands with dolomitic cementation; while the San Andres Vacuum formation primarily consists of dolomite with intermingled stringers of quartz sand with dolomitic cementation. The 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
OIL PRODUCING
INTERVALS
DSN LOG
(BY HLS)
Exhibit
VIII-A
4100
ARROWS INDICATE
POROSITY POINTS
BOXES INDICATE
PERFORATING INTERVALS
4150
Top of the
Albuq.
4200
"Loco
Hills Sd.
"Metex"
"Square
Lake" Sd.
4250
4300



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



HALLIBURTON

Version No: 2.00 I hc2.0

Data File: 0613_1654_r0411.5.dls

Control File: plot_01_1.spc

Raster File: 0613_1654_r0411.plot_01_1

Top Depth: ——

Bottom Depth: 4561.75

Database Time: 06-13-96 16.03.41

TYPE LOG FOR CMU SHOWING FORMATION TOPS

Exhibit VIII-B

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 SER./SEC.

LOCATION : 48'FSL & 157' FWL UNIT LETTER M SEL.PERF.

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

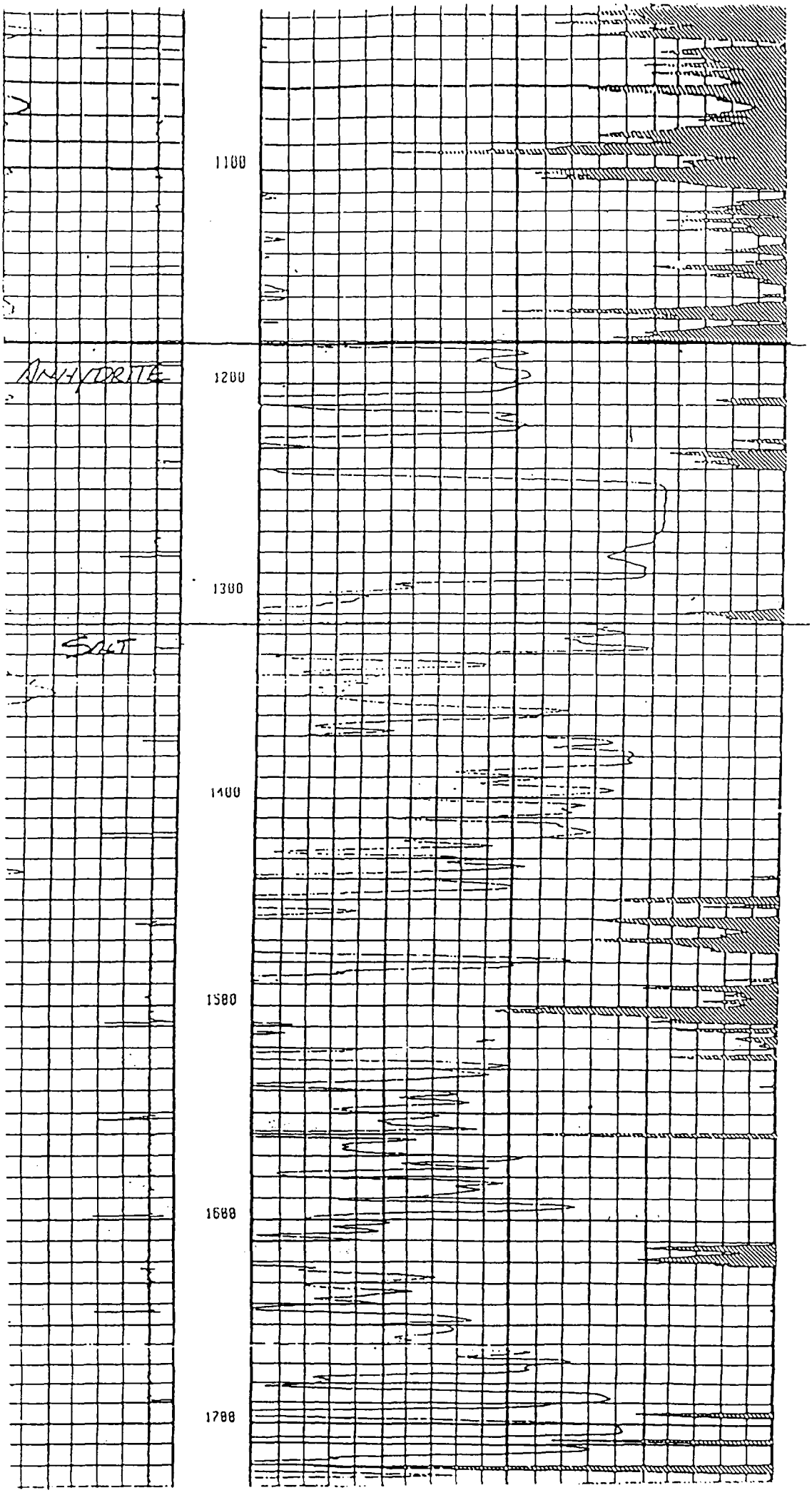
PERMANENT DATUM	GL	ELEV. 4137'		ELEV.:K.B. 4145'
LOG MEASURED FROM	KB	12.0 FT. ABOVE PERM. DATUM		D.F.
DRILLING MEAS FROM	KB			G.L. 4137'

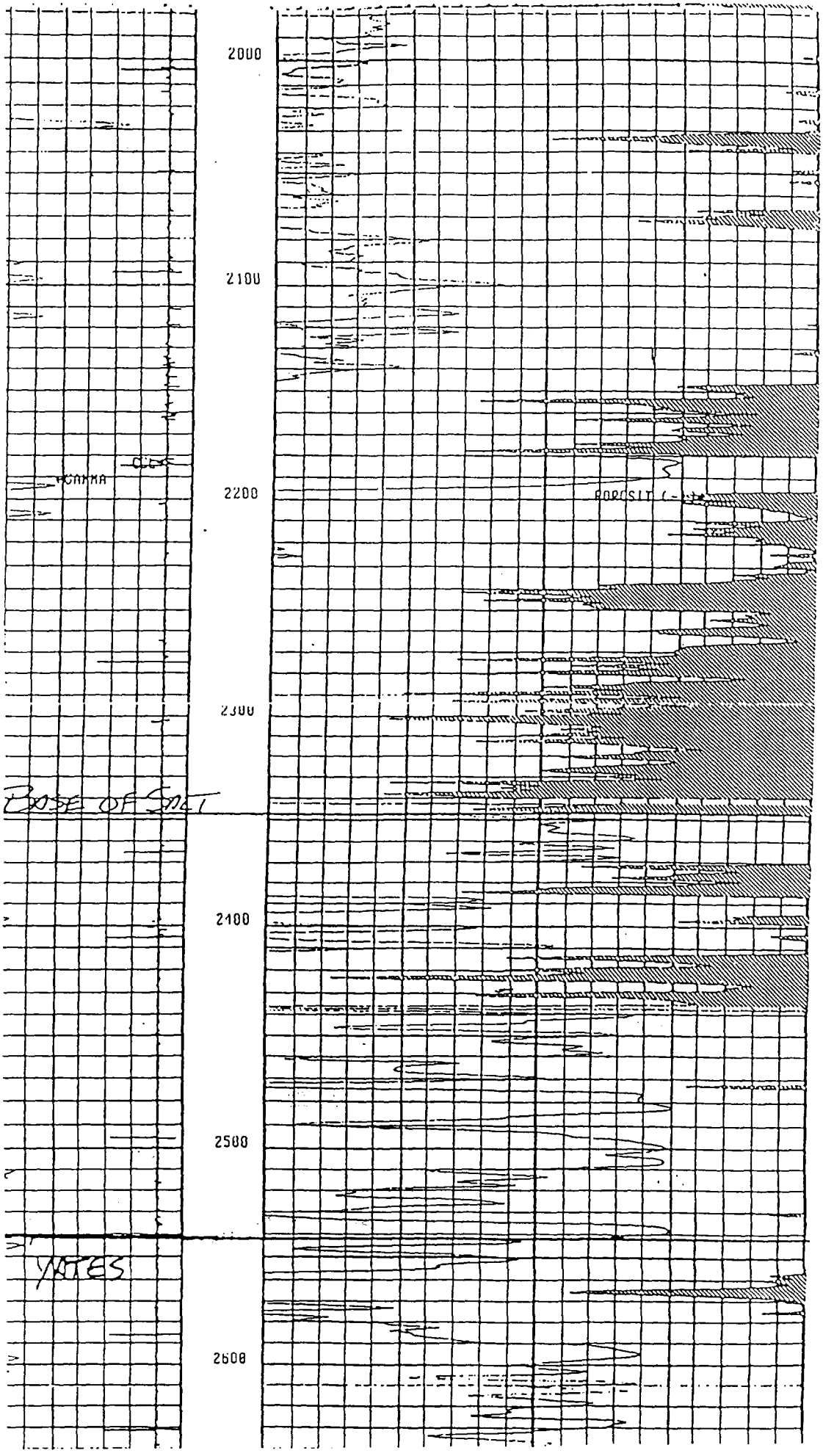
DATE & TIME LOGGED	12/08/98 @ 08:00	TYPE OF FLUID IN HOLE	WATER
RUN No.	ONE	DENSITY OF FLUID	NA
DEPTH - DRILLER	4850	FLUID LEVEL	FUL.
DEPTH - LOGGER	4788	CEMENT TOP EST/LOGGED	NA
BTM LOGGED INTERVAL	4787	EQUIPMENT : LOCATION	7804 HOBBS
TOP LOGGED INTERVAL	SURF	RECORDED BY	HILL
MAX RECORDED TEMP.	NA	WITNESSED BY	MR. G. NEATON

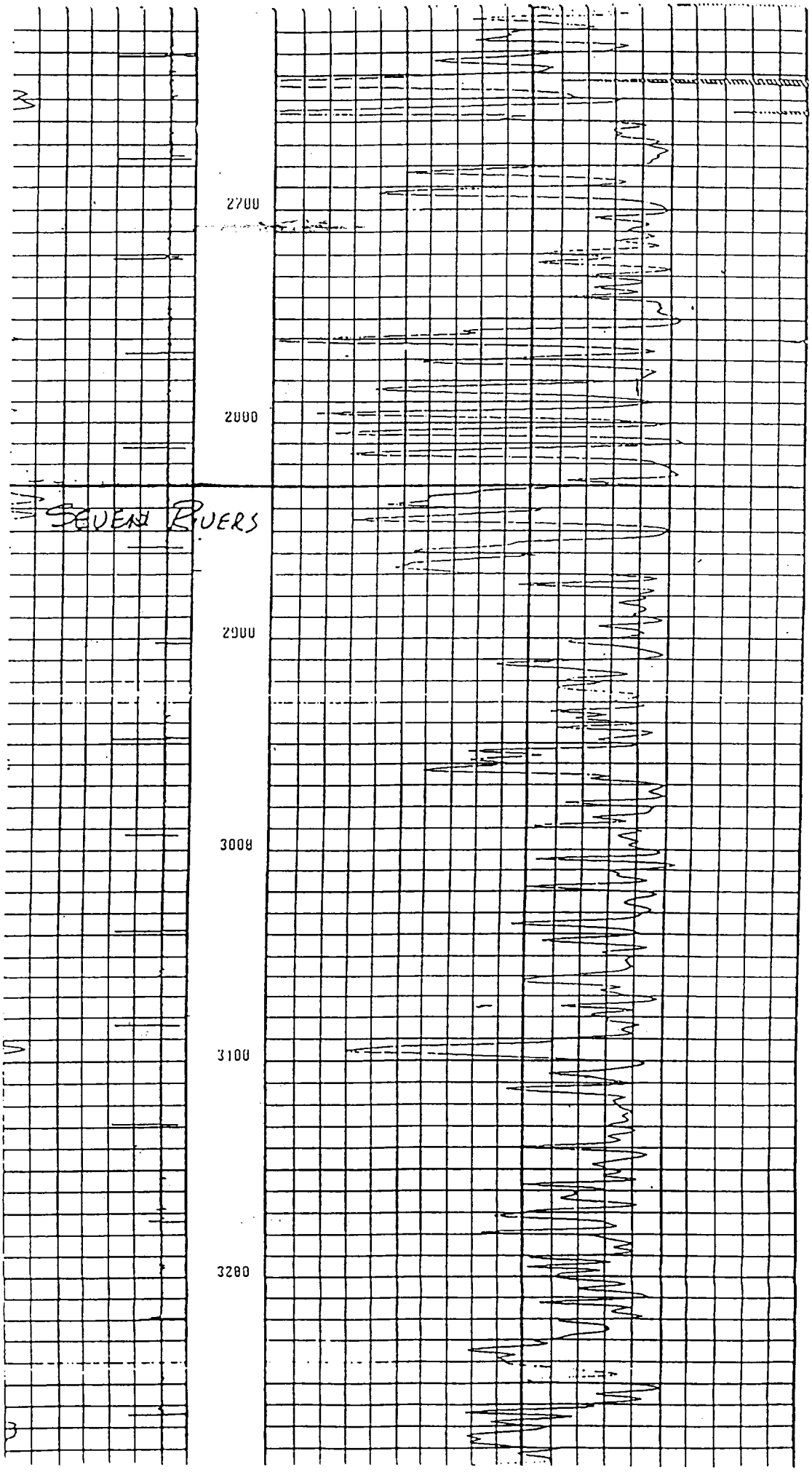
CEMENTING DATA	SURF. STRING	INT.STRING	PROD.STRING	LINER
DATE/TIME CEMENTED	/ .	/ .	/ .	/ .
PRIMARY/SQUEEZE				
COMPRESSIVE STR. EXPECTED @	: Hrs	: Hrs	: Hrs	: Hrs
CEMENT VOLUME				
CEMENT TYPE/WEIGHT				
MUD TYPE/MUD WGT.				
FORMULATION				

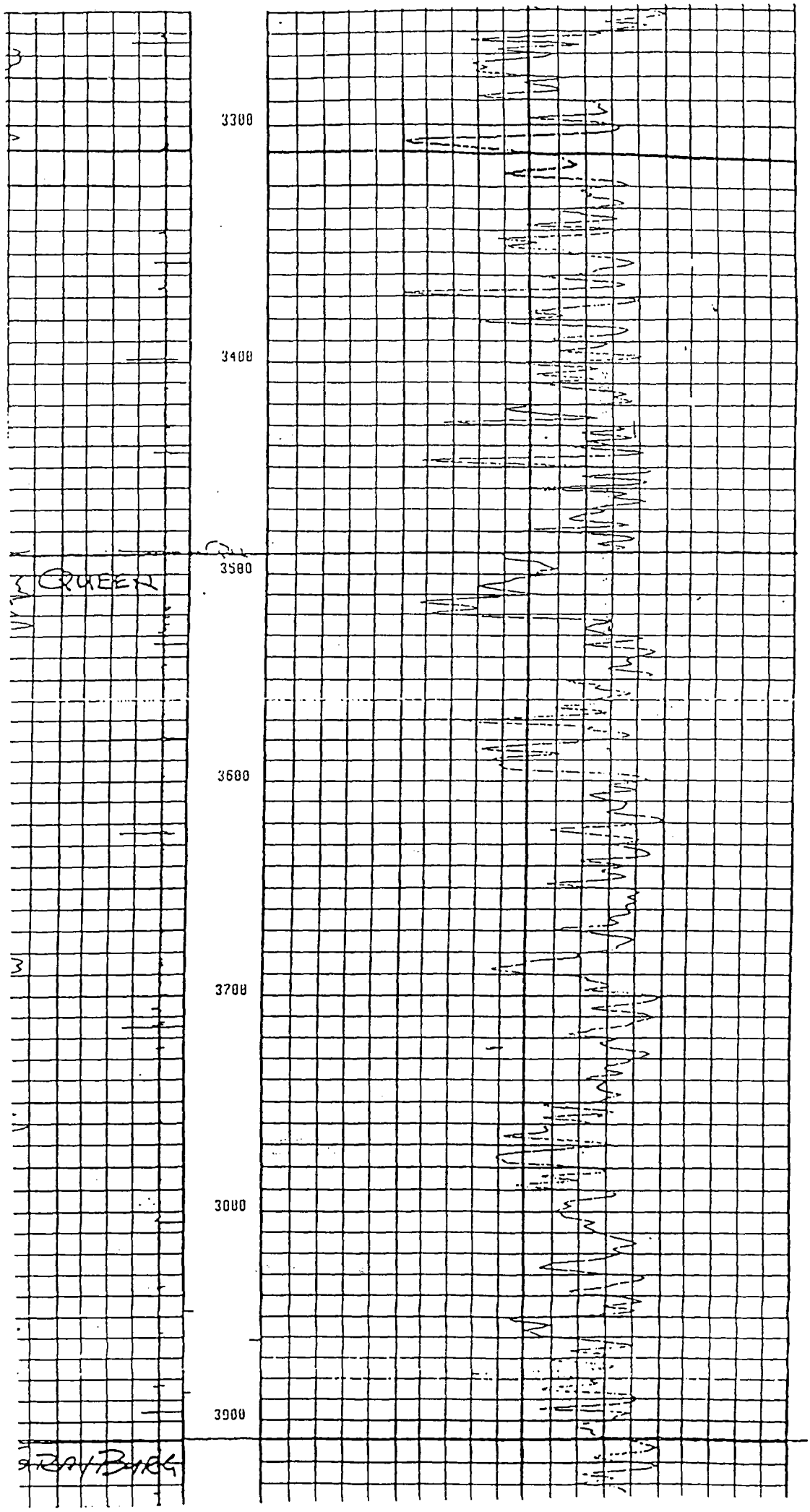
RUN	BOREHOLE RECORD			CASING AND TUBING RECORD			
No.	BIT SZ.	FROM	TO	SIZE	WGT.	FROM	TO
ONE				8.625	NA	0	1280
TWO	7.875	1280	4850	5.5	17.0	0	4850

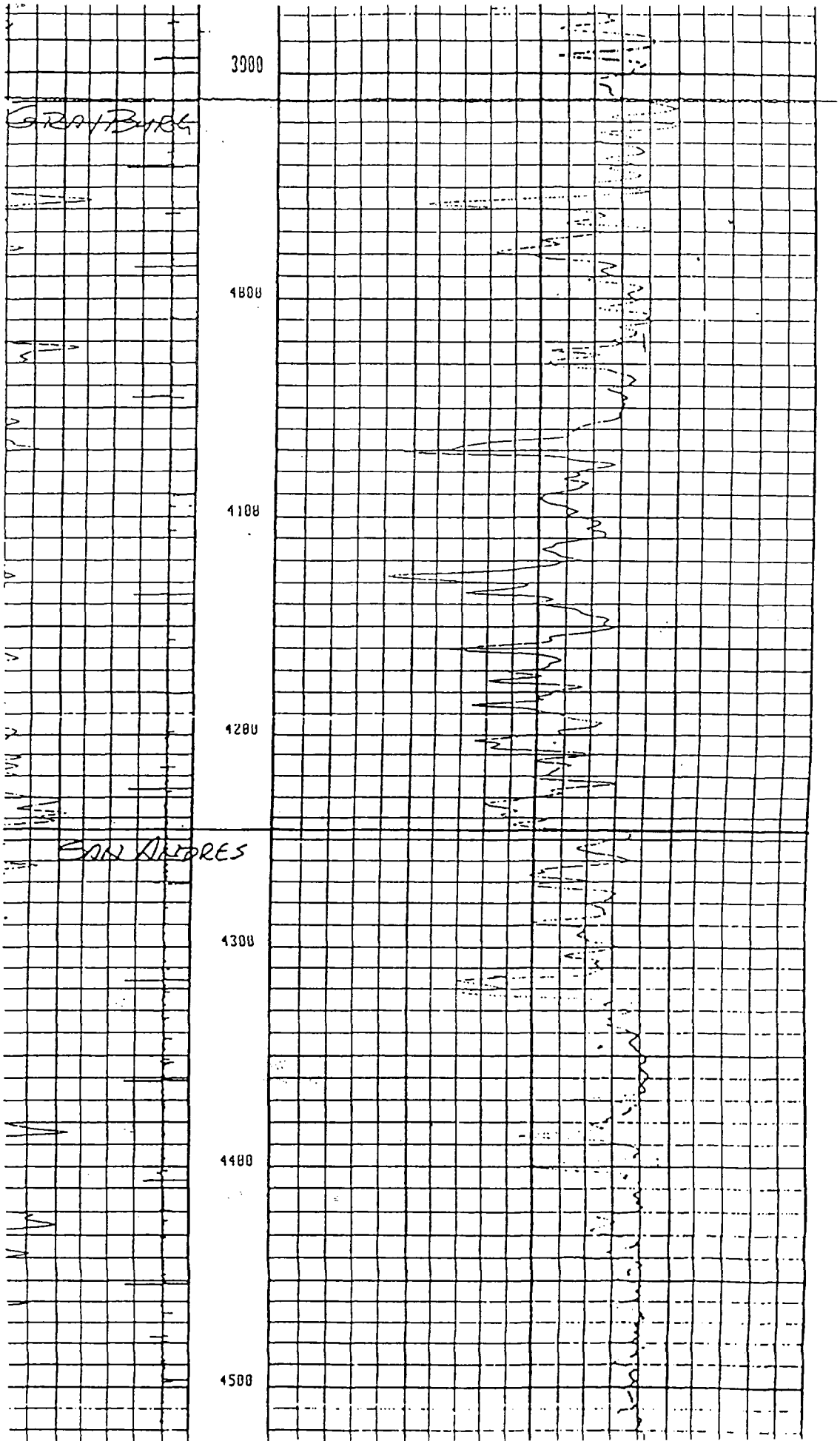
FOLD HERE


1100
ANHYDRITE
1200
1300
SALT
1400
1500
1600
1700


2000
2100
GAMMA
2200
POROSITY
2300
BASE OF SALT
2400
2500
YATES
2600


2700
2900
SEVEN RIVERS
2900
3000
3100
3200


3300
3400
QUEEN
3500
3600
3700
3000
3900


3900
GRAYBURG
4000
4100
4200
SAN ANDRES
4300
4400
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
APPLICATION FOR AUTHORIZATION TO INJECT
SKELLY UNIT

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 the mailing list attached as Exhibit 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:

Ms. Mary H. Ard	1440 Interfirst Tower	Fort Worth, Texas 76102
Mr. Francis H. Bowden		
Mr. & Mrs. E. M. Closuit, Sr., & Laura M. Closuit Co-Trustees of the E. M. Closuit, Sr., Trust & the Laura M. Closuit Trust c/o Ms. Jeanne Closuit Long	777 Taylor St., #E	Fort Worth, Texas 76102-4919
Edward R. Hudson Trust	616 Texas Street	Fort Worth, Texas 76102
Mr. William A. Hudson III	616 Texas Street	Fort Worth, Texas 76102
Mr. Delmar E. Hudson	616 Texas Street	Fort Worth, Texas 76102
Ms. Mary Terrell Hudson	616 Texas Street	Fort Worth, Texas 76102
Mr. William A. Hudson II	616 Texas Street	Fort Worth, Texas 76102
Mr. Delmar H. Lewis	616 Texas Street	Fort Worth, Texas 76102
Ms. Francis Hill Hudson Stripling	616 Texas Street	Fort Worth, Texas 76102
Javelina Partners	616 Texas Street	Fort Worth, Texas 76102
Lindy's Living Trust	616 Texas Street	Fort Worth, Texas 76102
Mr. Jewell D. Iverson	3131 S. Lewis Street	Tulsa, OK 74145
Apache Corporation	One Post Oak Central #100 2000 Post Oak Boulevard	Houston, TX 77056-4400
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

Offset Leasehold Owners & Well Operators (Continued:

Harvey E. Yates Company	P. O. Box 1933	Roswell, NM 88202
Messrs. Peter C. & Alvin Iverson, Independent Executors of the Estate of Dorothy Iverson c/o Iverson III Inc.	3454 S. Zunis	Tulsa, OK 74105
Iverson III Inc.	3454 S. Zunis	Tulsa, OK 74105
Marbob Energy Corp.	P. O. Drawer 217	Artesia, NM 88210
Marjorie Iverson Trust	27 Oaklawn Park	Midland, TX 79705-6546
Mr. Donald B. Moore Moore & Shelton Company, Ltd.	1414 Sugar Creek Blvd.	Sugar Land, Texas 77478
PAI Inc.	P. O. Box 664	Huntington Beach, CA 92648
NationsBank, Trustee u/w of S. J. Iverson, acct 01/0258100	P. O. Box 830308	Dallas, Texas 75283-0308
Texaco Exploration & Production Inc.	205 E. Bender Blvd.	Hobbs, NM 88240-2331
Trinity University c/o Vice President for Fiscal Affairs	715 Stadium Dr.	San Antonio, Texas 78284

EXHIBIT XIII-B

AFFIDAVIT OF MAILING

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 12th day of March, 1997.

My Commission Expires:
December 18, 1999

Notary Public

EXHIBIT XIII-C

NOTICE TO BE PUBLISHED IN THE HOBBS DAILY NEWS-SUN
ON WEDNESDAY, MARCH 12, 1997

PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand its Skelly Unit and inject water into 5 additional wells: 2 wells in Section 14, 1 well in Section 15, 1 well in Section 23, and 1 well in Section 28, all within T17S-R31E, Eddy County, New Mexico, to provide additional injection service for the existing Skelly Unit Waterflood, Order No. R-3214. The zones to be injected into are the Grayburg and San Andres Vacuum at an average TD 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.

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

April 4, 1997

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

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

Dear Mr. Catanach:

Enclosed is the Affidavit of Publication for notice of the C-108 for additional water injection wells within the Skelly Waterflood Unit which was filed with your office on March 12, 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. Matt Eagleston
The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

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

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

March 13, 1997

and ending with the issue dated

March 13, 1997

Kathi Bearden

Publisher

Sworn and subscribed to before me this 14th day of

March, 1997

Jodi Henson

Notary Public.

My Commision expires
October 18, 2000
(Seal)

LEGAL NOTICE
March 13, 1997
PROPOSED INJECTION WELLS

The Wiser Oil Company proposes to expand its Skelly Unit and inject water into 5 additional wells: 2 wells in Section 14, 1 well in Section 15, 1 well in Section 23, and 1 well in Section 28, all within T17S-R31E, Eddy County, New Mexico, to provide additional injection service for the existing Skelly Unit Waterflood, Order No. R-3214. The zones to be injected into are the Grayburg and San Andres Vacuum at an average TD of 3900' with the maximum injection rate of 500 BWPD/well at the 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.
#15085

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.

01100659000 01506398

J O Easley, Inc.-Consulting La
705 W. Mescalero Rd.
a/c 434005
Roswell NM, NM 88201