STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

RECEIVED
OCT 23 1991
OCD

I. Purpose: [X] Secondary Recovery [ ] Pressure Maintenance [ ] Disposal [ ] Storage
Application qualifies for administrative approval? [X] yes [ ] no

II. Operator: S & J OPERATING COMPANY

Address: P O BOX 2249, WICHITA FALLS, TEXAS 76307

Contact party: PEYTON S. CARNES, JR. Phone: (817) 723-2166

III. Well data: Complete the data required on the reverse side of this form for each well proposed 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-3001.

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 source 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: PEYTON S. CARNES, JR. Title PETROLEUM ENGINEER

Signature: Peyton S. Carnes Date: 10-21-91

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. The Denton North Wolfcamp Unit was effective January 1, 1966; Water injection was started in November, 1966.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division 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, P. O. Box 2088, Santa Fe, New Mexico 87501 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.

S & J OPERATING COMPANY
DENTON NORTH WOLFCAMP UNIT
LEA COUNTY, NEW MEXICO

Data on Proposed Waterflood Expansion
for Wells No. 5-12, 7-3 and 8-1:

1. Proposed average and maximum daily rate and volume of water to be injected will be 400 BWPD (average) and 500 BWPD (maximum).

2. The system is a closed system.

3. Proposed average and maximum injection pressure will be 2600 psig (average) and 3500 psig (maximum).

4. Source of water is the produced water from the project and produced water from offset leases which is composed of both Wolfcamp saltwater and Devonian saltwater which are compatible.

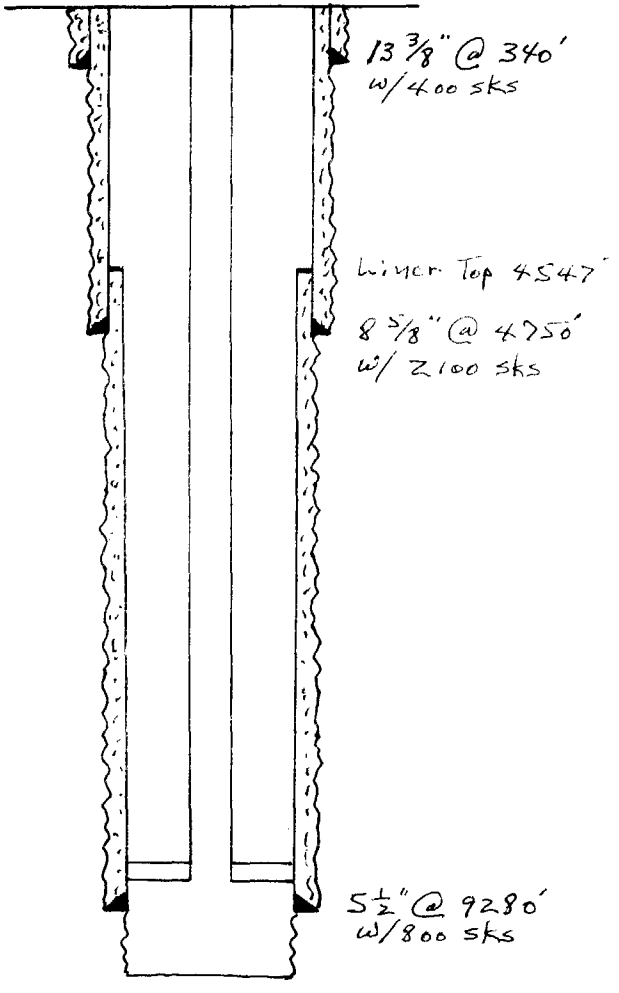
INJECTION WELL DATA SHEET

SIDE 1

OPERATOR	LEASE			
S & J Operating Company	Denton North Wolfcamp Unit			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
5-12	E 1980' FNL & 810' FWL	35	14S	37E

Originally drilled as Ralph Lowe, Dickinson "D" #12

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 400 sx.

TOC Surface feet determined by observed

Hole size 17 1/4"

Intermediate Casing

Size 8 5/8" Cemented with 2100 sx.

TOC Surface feet determined by observed

Hole size 12 1/4" Est.

Long string Liner

Size 5 1/2" Cemented with 800 sx.
Records show liner fully

TOC 4547' feet determined by cemented from top to bottom

Hole size 7 7/8"

Total depth 9380'

Injection interval Open-Hole

9280 feet to 9380 feet
(perforated or open-hole, indicate which)

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8" EUE lined with Salta PVC liner (material) to be set in a Baker Lok-set (brand and model) packer at approximately 9100 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Wolfcamp

2. Name of Field or Pool (if applicable) Denton North Wolfcamp

3. Is this a new well drilled for injection? / / Yes /X/ No

   If no, for what purpose was the well originally drilled? Production from Wolfcamp

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Devonian at 12500'

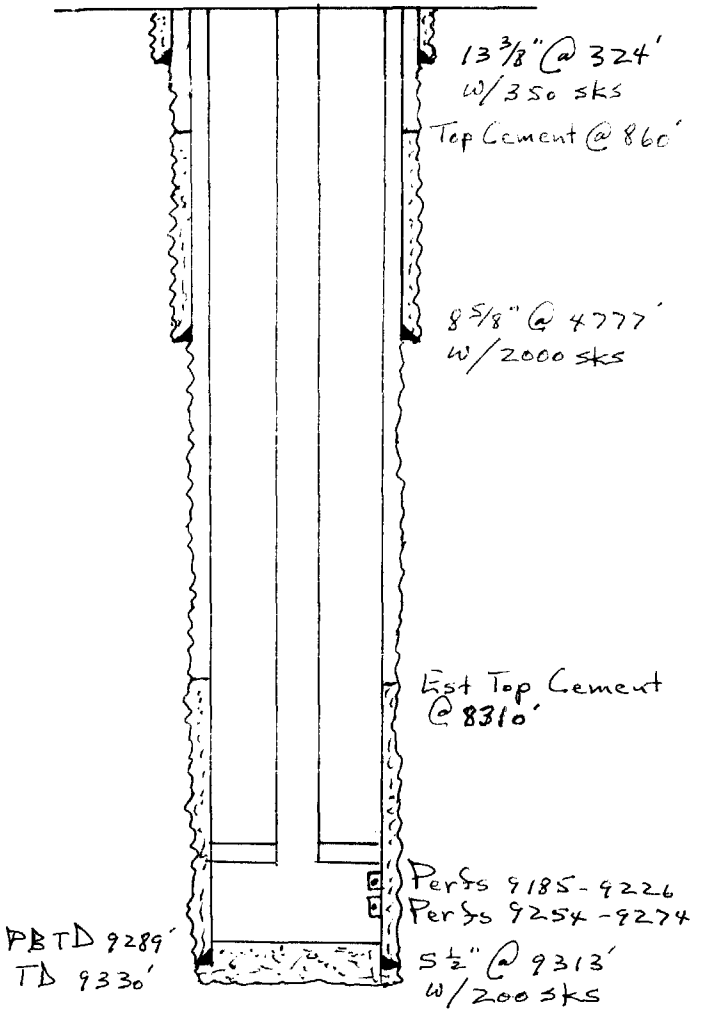
INJECTION WELL DATA SHEET

SIDE 1

OPERATOR	LEASE			
S & J Operating Company	Denton North Wolfcamp Unit			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
7-3	M 660' FSL & 660' FWL	36	14S	37E

Originally drilled as Sinclair Oil & Gas Co., T. D. Pope #3

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 350 sx.

TOC Surface feet determined by observed

Hole size 17 1/4"

Intermediate Casing

Size 8 5/8" Cemented with 2000 sx.

TOC 860 feet determined by Temperature Survey

Hole size 12 1/4"

Long string

Size 5 1/2" Cemented with 200 sx.

TOC 8310 feet determined by Temperature Survey

Hole size 7 7/8"

Total depth 9330

Injection interval Perforated

9185' 9226'
9254' feet to 9274' feet
(perforated or open-hole, indicate which)

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8" EUE lined with Salta PVC liner (material) to be set in a Baker Lok-Set (brand and model) packer at approximately 9050 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Wolfcamp

2. Name of Field or Pool (if applicable) Denton North Wolfcamp

3. Is this a new well drilled for injection? /_/ Yes /X/ No

   If no, for what purpose was the well originally drilled? Production from Wolfcamp

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Devonian at 12500'

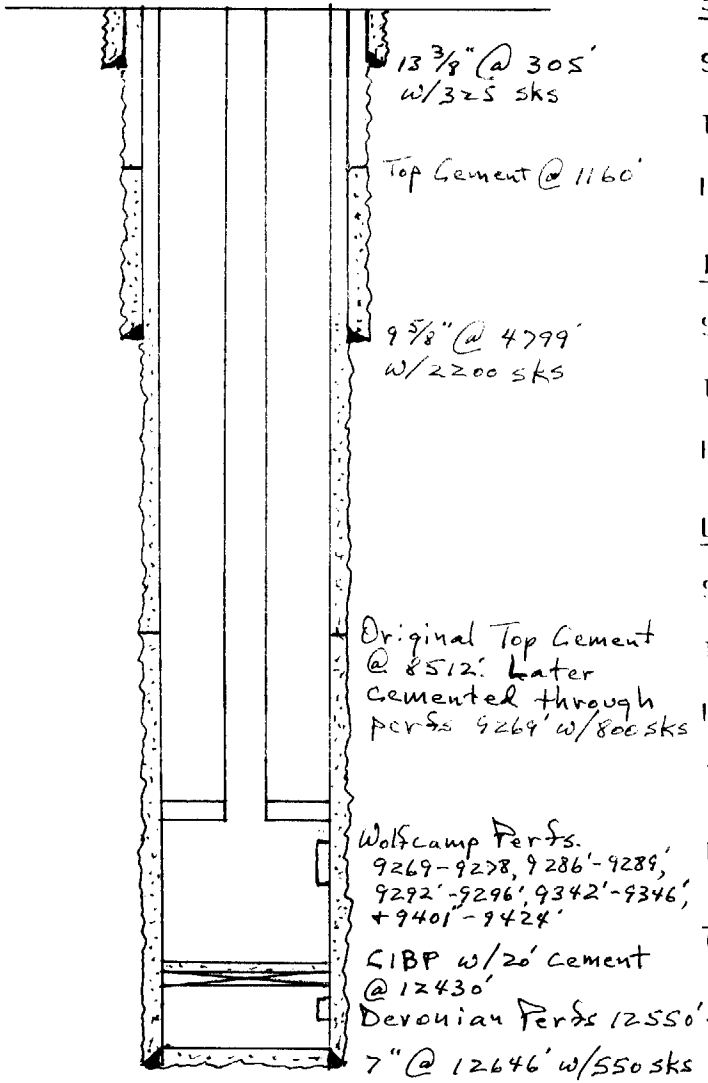
INJECTION WELL DATA SHEET

SIDE 1

OPERATOR	LEASE			
S & J Operating Company	Denton North Wolfcamp Unit			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
8-1	0 660' FSL & 2310' FEL	36	14S	37E

Originally drilled as Sinclair Oil & Gas Co., W. T. Mann "A" #1

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 325 sx.

TOC Surface feet determined by observed

Hole size 17 1/4"

Intermediate Casing

Size 9 5/8" Cemented with 2200 sx.

TOC 1160 feet determined by Temperature Survey

Hole size 12 1/4"

Long string

Size 7" Cemented with 550 sx.

TOC 8512 before plug back feet/determined by Temperature Survey

Hole size 8 3/4"

Total depth 12646'

CIBP w/20' cement at 12430' PBTD. Cemented at 9269' w/800 sks.

Injection interval Perforated

9269 feet to 9278 feet
9286 feet to 9289 feet
(perforated or open-hole, indicate which)
9292 feet to 9296 feet
9342 feet to 9346 feet
9401 feet to 9424 feet

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2 3/8" EUE lined with Salta PVC liner (material) to be set in a Baker Lok-Set (brand and model) packer at approximately 9100 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Wolfcamp

2. Name of Field or Pool (if applicable) Denton North Wolfcamp

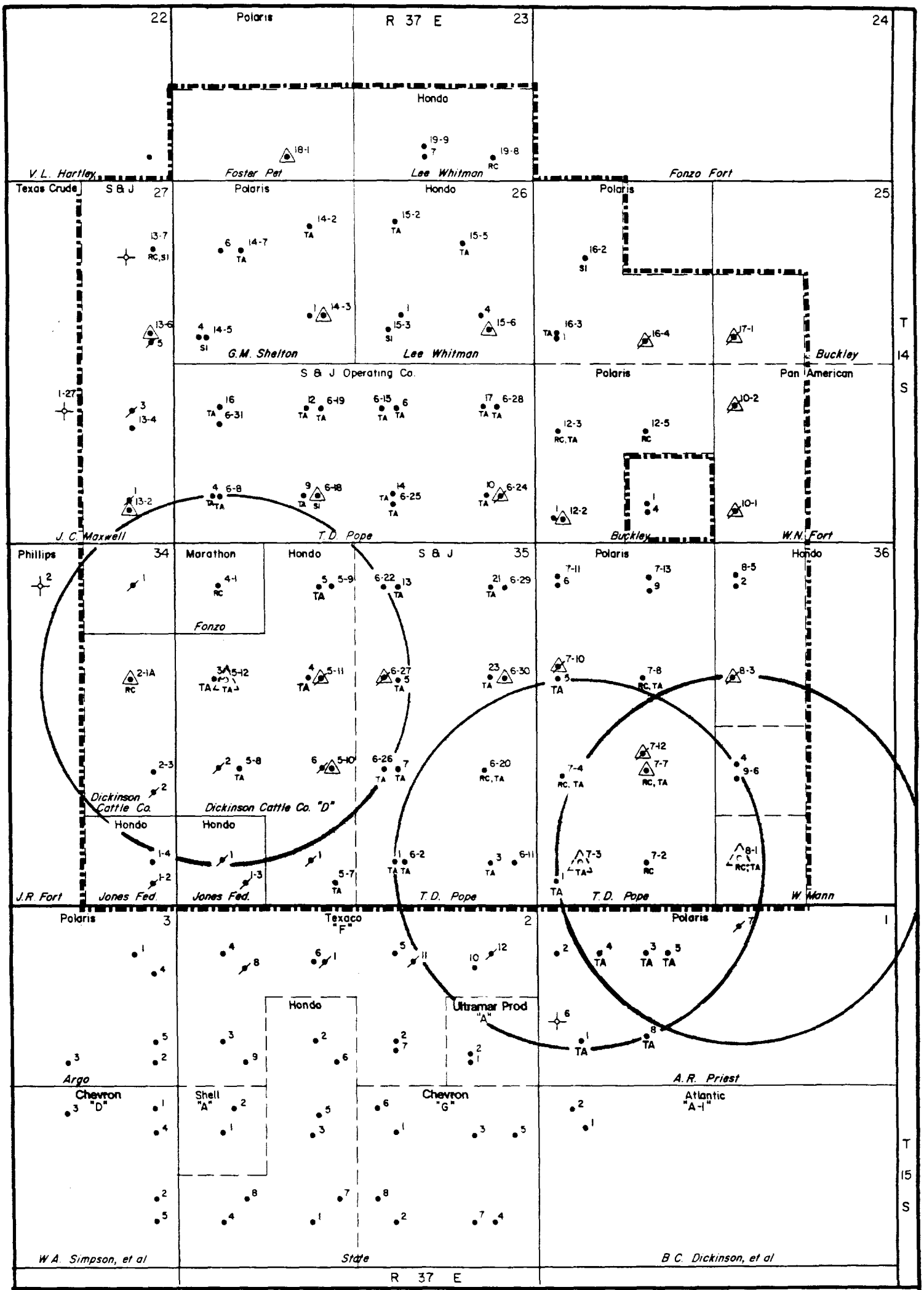
3. Is this a new well drilled for injection? /_/ Yes /X/ No

   If no, for what purpose was the well originally drilled? Production from Devonian at 12550'.

   Later was plugged back for production from Wolfcamp.

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Devonian perforations 12550'-12635'. Set CIBP and 20' of cement at 12430'.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Devonian at 12550'



S & J OPERATING COMPANY
DENTON NORTH WOLFCAMP UNIT
LEA COUNTY, NEW MEXICO

—LEGEND—

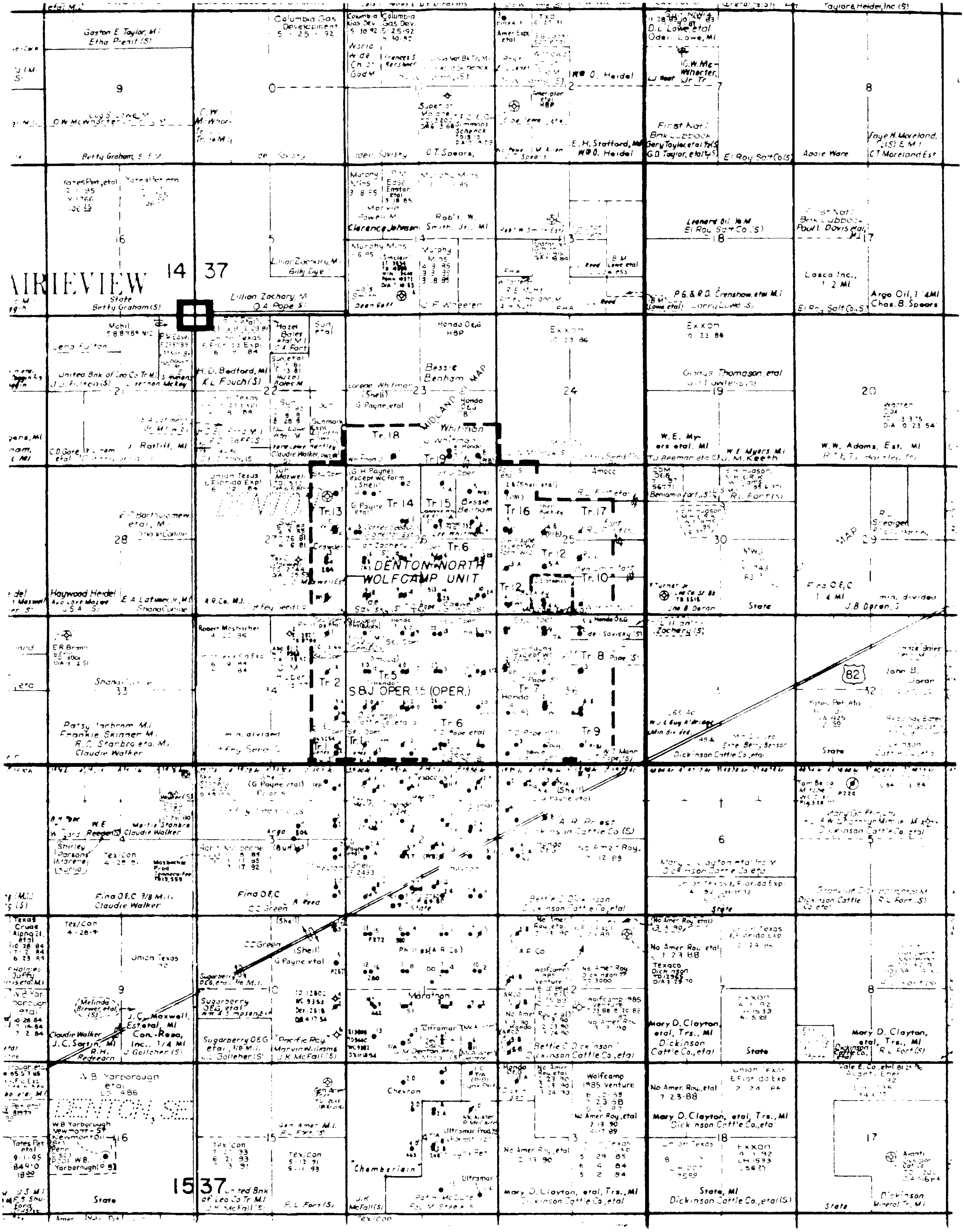
- PRODUCING OIL WELL
- WATER INJECTION WELL
- PLUGGED & ABANDONED WELL
- TA TEMPORARILY ABANDONED
- SI SHUT IN
- RC RECOMPLETED
- DRY HOLE
- UNIT BOUNDARY

—SCALE—

0' 1000'

ONE HALF MILE RADIUS REVIEW AREA
FOR PROPOSED WATER INJECTION WELLS

PETROLEUM ENGINEERS
STEPHENS ENGINEERING
WICHITA FALLS, TEXAS



Taylor & Heider, Inc (S)
Gaston E Taylor, MI
Columbia Gas Development 5-25-92
D. L. Lowe, etal
Odell Lowe, MI
W. O. Heidel
Betty Graham
O.T. Spears
E. H. Stafford, MI
El Roy Salt Co.(S)
Faye H. Moreland
C.T. Moreland Est
Robt. W. Smith, Jr., MI
Clarence Johnson
El Roy Salt Co.(S)
Lasco Inc., 1/2 MI
Argo Oil, 1/4 MI
Chas. B. Spears
14
37
State
Betty Graham (S)
Lillian Zachary, M
P.G. & R.D. Crenshaw, etal M.I.
Exxon
Exxon
Lena Fulton
H. D. Bedford, MI
K.L. Fouch (S)
Bessie Benham
MIDLAND MAP
Gladys Thomason, etal
W. E. Myers etal, MI
W. E. Myers, MI
J. M. Keeth
W.W. Adams, Est. MI
Tr. 18
Tr. 19
Tr. 13
Tr. 14
Tr. 15
Tr. 16
Tr. 17
Tr. 6
Tr. 12
Tr. 10
DENTON NORTH WOLFCAMP UNIT
Haywood Heidel
E. A. Latimer, Jr., MI
State
Fina O&C 1/4 MI
J. B. Doran
Robert Mosbacher
Tr. 2
Tr. 5
Tr. 7
Tr. 8
Tr. 9
Tr. 6
SBJ OPER. 35 (OPER.)
Zachery (S)
82
John B. Doran
Dickinson Cattle Co., etal
Patsy Jackson MI
Frankie Skinner M.
Claudie Walker
W.E. Reeder (S)
Claudie Walker
A. R. Priest
Dickinson Cattle Co. (S)
Fina O&C 3/8 MI
Claudie Walker
Fina O&C
Tex/Con
Union Texas
C C Green
G Payne etal
Phillips (A R Co)
Marathon
Wolfcamp 1985 Venture
No Amer. Roy. etal
Texaco
Melinda Brewer, etal (S)
J. C. Maxwell, Estetal, MI
Con.-Reso, Inc., 1/4 MI
Claudie Walker
J. C. Sartin, MI
R.H. Redfearn
Sugarberry O&G etal
Sugarberry O&G, 3/8 M.I.
Pacific Roy
Marvin Williams
J.K. McFall (S)
Ultramar
Bettie C. Dickinson
Dickinson Cattle Co., etal
Mary D. Clayton, etal, Trs., MI
Dickinson Cattle Co., etal
State
Mary D. Clayton, etal, Trs., MI
R. L. Fort (S)
N.B. Yarborough etal
Chevron
Wolfcamp 1985 Venture
No Amer. Roy., etal 7-23-88
Mary D. Clayton, etal, Trs., MI
Dickinson Cattle Co., etal
Union Texas
Exxon
W.B. Yarborough
Chamberlain
Tex/Con
No Amer. Roy., etal
15
37
United Bnk of Lea Co Tr. MI
R. L. Fort (S)
State
Mary D. Clayton, etal, Trs., MI
Dickinson Cattle Co., etal
State, MI
Dickinson Cattle Co., etal (S)
State
Dickinson Mineral Tr. MI

S & J OPERATING COMPANY
DENTON NORTH WOLFCAMP UNIT
LEA COUNTY, NEW MEXICO

AREA OF REVIEW DATA FOR INJECTION PERMITS

Section, Twn, Rg / Operator / Lease	Well No.	Date Drilled	Type of Well	Location	Casing Record Size	Cement	Depth	Total Depth	Completion Zone	Remarks
26-14S-37E										
S & J Operating Co.										
Denton North WCU	6-8	3-53	TA Producer	M-26-14S-37E	10 3/4	450	475	9355	Wolfcamp: 9262'	Squeezed top of liner w/550 sks.
					7 5/8	2070	4405		to 9304' Perf.	
					5 1/2	270	9352			
					Liner		to 4176			
T. D. Pope	4	3-15-53	TA Producer	M-26-14S-37E	13 3/8	425	409	12640	Devonian: 12305'	
					9 5/8	3100	4855		to 12594' Perf.	
					5 1/2	1800	12640			
					Liner		to 4855			
34-14S-37E										
S & J Operating Co.										
Denton North WCU	2-1	4-12-53	Water Inj.	H-34-14S-37E	13 3/8	400	296	12720	Wolfcamp: 9420'	Set CIBP at 9610'
					9 5/8	3000	4710		to 9480' Perf.	
					7	650	12712			
	2-3	10-53	Producer	I-34-14S-37E	13 3/8	300	296	9412	Wolfcamp: 9368'	
					9 5/8	3000	4743		to 9405' Perf.	
					5 1/2	500	9400			
Phillips Petroleum										
J. R. Fort	1	10-3-51	P&A Producer	A-34-14S-37E	13 3/8	350	348	12804	Devonian: 12564'	P&A 3-61
					8 5/8	4750	4752		to 12710' Perf.	
					5 1/2	1380	12799			
Atlantic Richfield										
B. C. Dickinson	2	7-20-53	P&A Producer	I-34-14S-37E	13 3/8	350	297	12604	Devonian: 12490'	P&A 6-4-71
					9 5/8	3000	4729		to 12590' Perf.	
					5 1/2	575	12603			
35-14S-37E										
S & J Operating Co.										
Denton North WCU	4-1	8-6-52	Producer	D-35-14S-37E	13 3/8	350	360	12732	Wolfcamp: 9304'	Originally perf. Devonian 12315' to 124
					8 5/8	3175	4779		to 9448' Perf.	12-66 set CIBP and 20' cement at 9542'.
					5 1/2	7500	12732			
	5-8	6-53	TA Producer	L-35-14S-37E	13 3/8	400	335	9350	Wolfcamp: 9283'	
					8 5/8	2200	4750		to 9350' OH	
					5 1/2	700	9283			
					Liner		to 4543			
	5-9	7-53	Producer	C-35-14S-37E	13 3/8	400	337	9250	Wolfcamp: 9180'	
					8 5/8	2200	4737		to 9250' OH	
					5 1/2	700	9180			
					Liner		to 4558			

AREA OF REVIEW DATA FOR INJECTION PERMITS (Cont'd)

Section, Twn, Rg / Operator / Lease	Well No.	Date Drilled	Type of Well	Location	Casing Record Size	Cement	Depth	Total Depth	Completion Zone	Remarks
35-14S-37E S & J Operating Co. Denton North WCU	5-10	8-14-53	Water Inj.	K-35-14S-37E	13 3/8 8 5/8 5 1/2	400 2100 750	350 4750 9160	9280	Wolfcamp: 9160' to 9280' OH	
	5-11	9-19-53	P&A Water Inj.	F-35-14S-37E	13 3/8 8 5/8 5 1/2 Liner	400 2200 800	338 4740 9200 to 4452	9300	Wolfcamp: 9200' to 9300' OH	P&A 11-8-76
	6-2	12-52	TA Producer	O-35-14S-37E	10 3/4 7 5/8 5 1/2 4 Liner	425 2600 750 605	428 4253 9230 9616 to 9107	9650	Wolfcamp: 9114' to 9234' Perf.	Perforated 9436' to 9579'. In 11-59 squeezed. Set CIBP w/cement cap @ 9399'.
	6-11	5-53	Producer	P-35-14S-37E	10 3/4 / 5/8 5 1/2	450 1600 360	447 4350 9265	9265	Wolfcamp: 9179' to 9217' Perf.	
	6-20	9-8-53	TA Producer	I-35-14S-37E	13 3/8 8 5/8 5 1/2 Liner	475 2180 1000	439 4850 12632 to 4706	12632	Wolfcamp: 9128' to 9191' Perf.	Squeezed top of liner w/190 sks. Originally perf. Devonian 12149' to 12615'. In 7-83 set CIBP and cement at 11965'. Perforated Wolfcamp.
	6-22	9-53	Producer	B-35-14S-37E	10 3/4 7 5/8 5 1/2 Liner	500 1850 240	450 4800 9350 to 4628	9350	Wolfcamp: 9183' to 9246' Perf.	Squeezed top of liner w/350 sks.
	6-26	11-53	TA Producer	J-35-14S-37E	10 3/4 7 5/8 5 1/2 Liner	450 2000 278	460 4760 9326 to 4580	9370	Wolfcamp: 9154' to 9220' Perf.	Squeezed top of liner w/300 sks.
	6-27	11-20-53	P&A Water Inj.	G-35-14S-37E	10 3/4 7 5/8 5 1/2 Liner	450 1565 415	448 4800 9355 to 4623	9355	Wolfcamp: 9181' to 9206' Perf.	Squeezed top of liner w/300 sks. P&A 8-25-76.
T. D. Pope	1	10-30-51	TA Producer	O-35-14S-37E	13 3/8 8 5/8 5 1/2	425 2900 1400	411 4746 12487	12702	Devonian: 12487' to 12596' OH	
	3	4-21-53	TA Producer	P-35-14S-37E	13 3/8 8 5/8 5 1/2 Liner	425 2200 600	450 4806 12628 to 4610	12628	Devonian: 12218' to 12628' Perf.	Cemented liner w/500 sks cement w/4% gel and 100 sks neat cement. Top of cement by temperature survey at 8790'. Calculated top of cement behind liner at 8758'. Squeezed top of liner w/250 sks.

TOC by Temp Survey 8790'

AREA OF REVIEW DATA FOR INJECTION PERMITS (Cont'd)

Section, Twn, Rg Operator Lease	Well No.	Date Drilled	Type of Well	Location	Casing Record Size	 Cement	 Depth	Total Depth	Completion Zone	Remarks
35-14S-37E S & J Operating Co. T. D. Pope	5	4-15-53	TA Producer	G-35-14S-37E	13 3/8 8 5/8 5 1/2 Liner	450 3700 740	430 4820 12010 to 4584	12342	Devonian: 12010' to 12342' OH	Squeezed top of liner w/200 sks.
Hondo Oil & Gas (Atlantic-Richfield) Dickinson "D"	2	2-29-52	P&A Producer	L-35-14S-37E	13 3/8 8 5/8 5 1/2	365 1500 875	333 4741 12586	12685	Devonian: 12586' to 12685' OH	P&A 5-4-72
	3	7-11-52	TA Producer	E-35-14S-37E	13 3/8 8 5/8 5 1/2	400 4760 875	337 1700 12508	12670	Devonian: 12508' to 12670' OH	
	4	11-4-52	TA Producer	F-35-14S-37E	13 3/8 8 5/8 5 1/2	400 1700 1300	348 4737 12298	12400	Devonian: 12298' to 12400' OH	
	5	3-1-53	TA Producer	C-35-14S-37E	13 3/8 8 5/8 5 1/2 Liner	400 1700 1000	336 4730 12178 to 4470	12475	Devonian: 12178' to 12475'	
	6	6-14-53	P&A Producer	K-35-14S-37E	13 3/8 8 5/8 5 1/2 Liner	400 1700 900	339 4749 12369 to 4515	12560	Devonian: 12369' to 12560' OH	P&A 4-29-72
Jones Federal	1	7-27-51	P&A Producer	M-35-14S-37E	13 3/8 9 5/8 7	400 3000 855	313 4678 12697	12700	Devonian: 12460' to 12632' Perf.	P&A 4-11-73
36-14S-37E S & J Operating Co. Denton North WCU	7-2	8-5-53	Producer	N-36-14S-37E	13 3/8 9 5/8 7	300 1700 600	316 4769 12649	12650	Wolfcamp: 9193' to 9356' Perf.	Calculated top of cement behind 7" casing at 81 Originally perf. Devonian 12410' to 12635'. In 7-83 set CIBP and cement at 12200'. Perf. Wolf camp.
	7-4	1-54	TA Producer	L-36-14S-37E	13 3/8 9 5/8 7	350 2816 700	320 4767 12642	12647	Wolfcamp: 9138' to 9229' Perf.	Calculated top of cement behind 7" casing at 74 Originally perf. Devonian 12295' to 12620'. In 7-83 set CIBP and cement at 12100'. Perf. Wolf camp.
	7-7	6-21-54	TA Water Inj.	K-36-14S-37E	13 3/8 9 5/8 7 5/8 5 1/2	350 2300 200 600	327 4772 6842 12614	12640	Wolfcamp: 9197' to 9375' Perf.	Originally perf. Devonian 12506' to 12604'. In 10-61 set CIBP at 12490', cmt retainer at 12442 and perf. 12317' to 12401'. In 7-83 set CIBP a 35' cmt at 12082'. Perf. Wolfcamp.

AREA OF REVIEW DATA FOR INJECTION PERMITS (Cont'd)

Section, Twn, Rg / Operator / Lease	Well No.	Date Drilled	Type of Well	Location	Casing Record Size	Cement	Depth	Total Depth	Completion Zone	Remarks
36-14S-37E										
S & J Operating Co.										
Denton North WCU	7-12	12-6-54	P&A	K-36-14S-37E	13 3/8	375	314	9469	Wolfcamp: 9232'	P&A 7-5-66
					9 5/8	2000	4768		to 9449' Perf.	
					7	125	9469			
	8-3	12-14-54	P&A Water Inj.	G-36-14S-37E	13 3/8	375	318	12642	Wolfcamp: 9284'	Originally perf. Devonian 12410' to 12636'. In
					9 5/8	2500	4789		to 9436' Perf.	1-66 set CIBP and 15' cement at 12330'. Set re-
					7	600	12641			tainer at 9483' and squeeze perfs. 9502' w/50 sk
	9-6	10-55	Producer	J-36-14S-37E	13 3/8	435	307	9500	Wolfcamp: 9286'	
					9 5/8	2600	4780		to 9436' Perf.	
					7	175	9498			
Hondo Oil & Gas (Sinclair Oil & Gas)										
W. T. Mann "A"	4	5-27-55	TA Producer	J-36-14S-37E	13 3/8	375	311	12630	Devonian: 12499'	Calculated top of cement behind 7" casing at 817
					9 5/8	2200	4789		to 12624' Perf.	
					7	600	12630			
Polaris (Sinclair Oil & Gas)										
T. D. Pope	1	1-23-58	TA Producer	M-36-14S-37E	13 3/8	400	316	12640	Devonian: 12460'	
					8 5/8	1700	4769		to 12590' Perf.	
					5 1/2	900	12639			
	5	1-3-54	TA Producer	E-36-14S-37E	13 3/8	350	311	12643	Devonian: 12542'	Calculated top of cement behind 7" casing at 743
					9 5/8	2450	4775		to 12639' Perf.	In 12-58 perforated 12295' to 12480'.
					7	700	12642			
1-15S-37E										
Polaris (Shell Oil Co.)										
A. R. Priest	1	4-24-52	TA Producer	E-1-15S-37E	13 3/8	300	353	12675	Devonian: 12476'	In 6-63 perforated 12462' to 12472'.
					8 5/8	3500	4750		to 12675' OH	
					5 1/2	1150	12476			
	2	9-10-52	Producer	D-1-15S-37E	13 3/8	225	351	12675	Devonian: 12470'	
					8 5/8	3500	4762		to 12675' OH	
					5 1/2	700	12470			
	3	2-1-53	TA Producer	C-1-15S-37E	13 3/8	350	360	12650	Devonian: 12534'	Calculated top of cement behind 7" casing at 801
					8 5/8	3500	4772		to 12650' OH	
					5 1/2	700	12534			
	4	2-15-53	TA Producer	D-1-15S-37E	13 3/8	350	357	9450	Wolfcamp: 9160'	
					8 5/8	2800	4750		to 9395' Perf.	
					5 1/2	850	9448			
					Liner		to 4550			
	5	10-7-53	TA Producer	C-1-15S-37E	13 3/8	350	355	9485	Wolfcamp: 9168'	
					8 5/8	1700	4800		to 9380' Perf.	
					5 1/2	?	9450			

8305

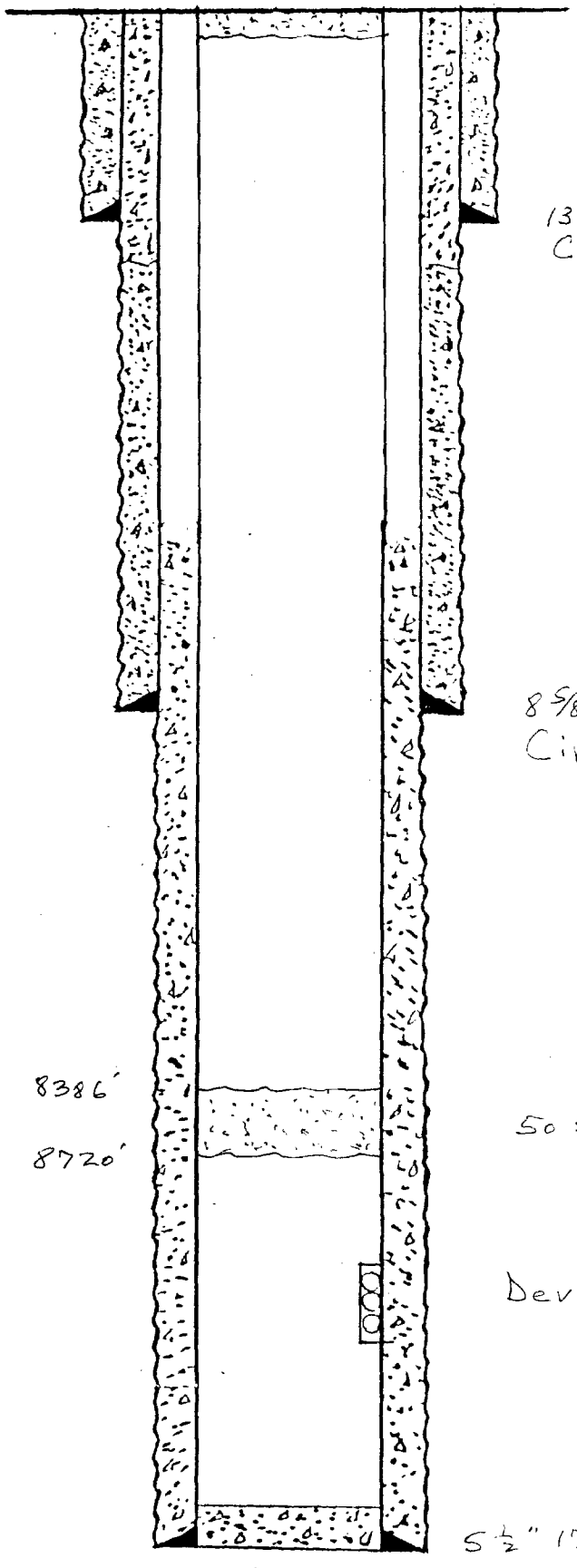
AREA OF REVIEW DATA FOR INJECTION PERMITS (Cont'd)

Section, Twn, Rg Operator Lease	Well No.	Date Drilled	Type of Well	Location	Casing Record Size	 Cement	 Depth	Total Depth	Completion Zone	Remarks
1-15S-37E Polaris (Shell Oil Co.) A. R. Priest	6	1-7-54	Dry Hole	E-1-15S-37E	13 3/8 8 5/8 5 1/2	350 2250 150	377 4752 9447	9447	Wolfcamp: 9165' to 9404' Perf.	D&A 1-7-54
	7	6-26-57	P&A Producer	B-1-15S-37E	13 3/8 8 5/8 5 1/2	400 2100 250	361 4784 12579	12680	Devonian: 12579' to 12680' OH	P&A 5-31-75
2-15S-37E Texaco (Skelly Oil) State "F"	10	9-30-52	Producer	A-2-15S-37E	13 3/8 9 5/8 5 1/2	340 3000 1750	342 4782 12599	12600	Devonian: 12500' to 12574' Perf.	
	12	5-1-53	P&A Producer	A-2-15S-37E	13 3/8 8 5/8 5 1/2	318 1850 700	324 4752 9253	9253	Wolfcamp: 9174' to 9224' Perf.	P&A 8-28-73

Phillips Petroleum Co.
Section 34 T14S R37E
Unit A

J. R. Fort
Denton Field

Well No. 1
Gl NA
DF 3829'



5 sx. Plug at Surface

13 3/8" 35.6 #/Ft. CSG Set @ 348' w/350 Sx CMT.
Circ. to Surface.

8 5/8" 32#/Ft. CSG Set @ 4752' w/4750 Sx. CMT
Circ. to Surface.

8386'
8720'

50 sx. Plug from 8386' to 8720'.

Devonian perforations 12564' to 12710'.

5 1/2" 17#/Ft. CSG. Set @ 12799' w/1380 Sx. CMT.

TD 12804

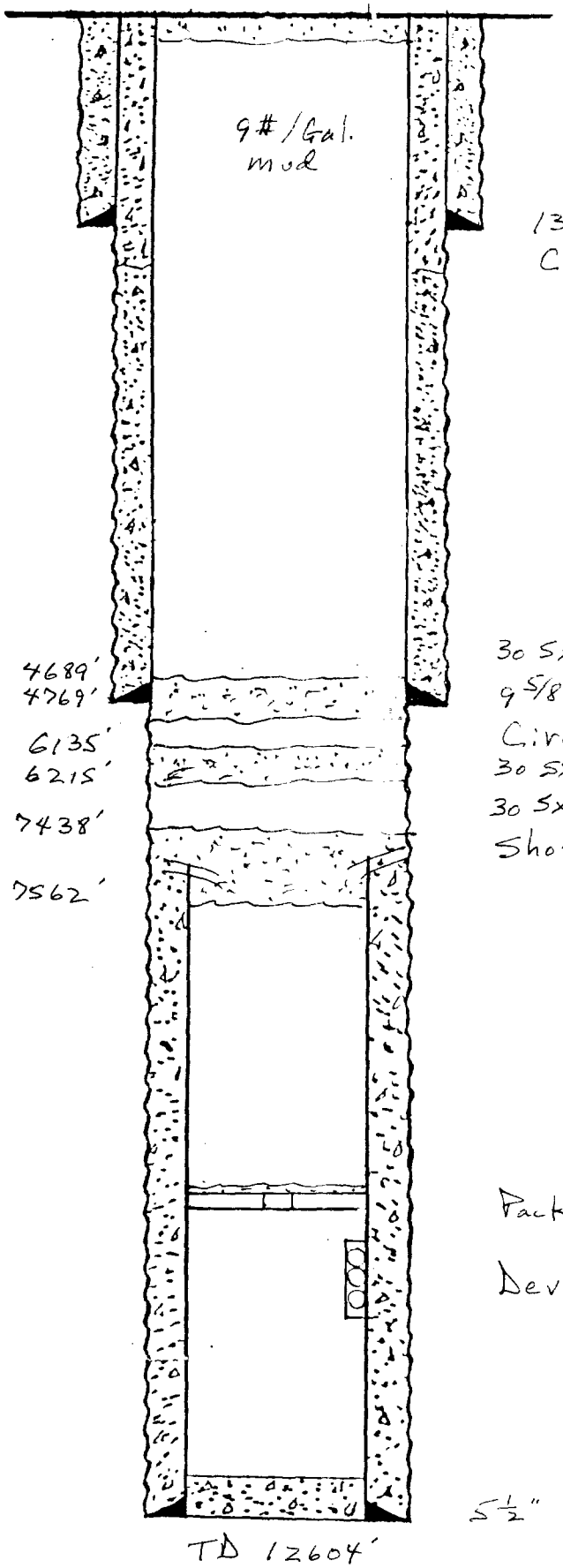
P+A 3-61

Atlantic Richfield Co.
Section 34 T14S R37E
Unit I

B.C. Dickinson A-34
Denton Devonian Field

Well No. 2

Gl NA
DF 3825'



10 Sx. Plug at Surface.

13 3/8" 48#/Ft. CSG Set @ 297' w/350 Sx CMT.
Circ. to Surface.

30 Sx Plug from 4689' to 4769'.
9 5/8" 36#/Ft. CSG Set @ 4729' w/3000 Sx CMT.
Circ. to Surface.
30 Sx Plug from 6135' to 6215'.
30 Sx Plug from 7438' to 7562'.
Shot off 5 1/2" CSG @ 7519'.

Packer w/ 415. DR Plug + 2 Sx. cement @ 12000'

Devonian perforations 12490' to 12590'.

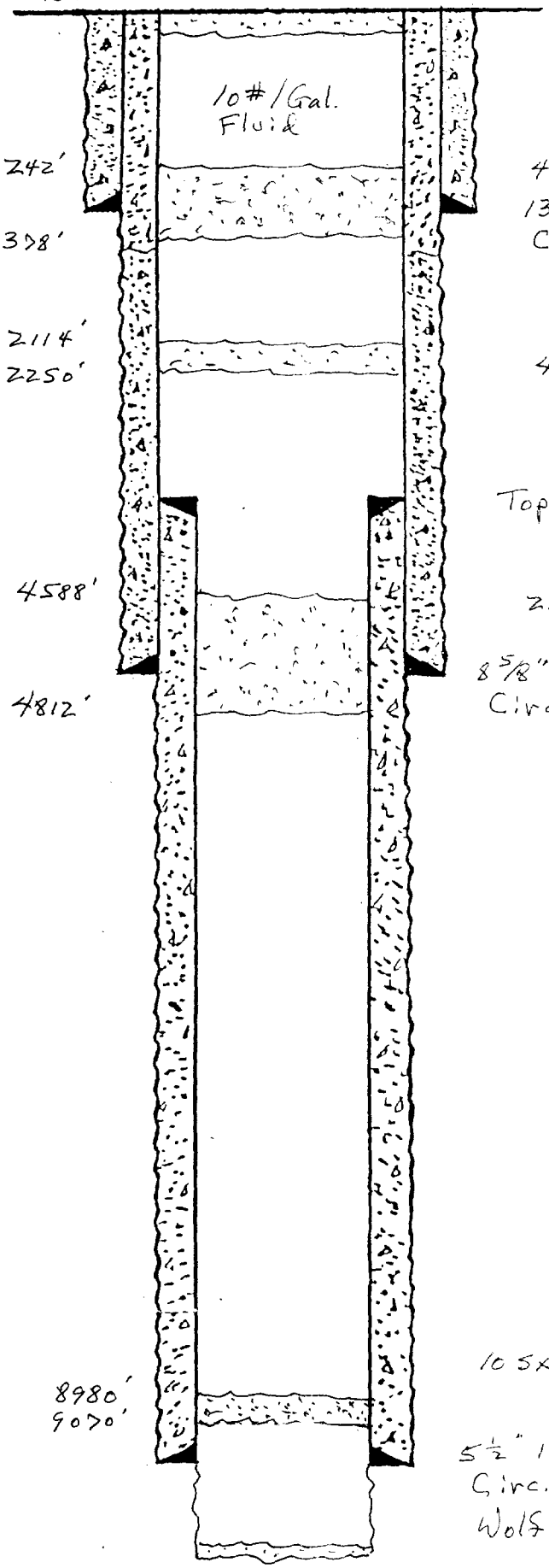
5 1/2" 17#/Ft. CSG Set @ 12603' w/575 Sx. CMT.

P + A 6-4-71

Mobil Oil Corp.
Section 35 T 14 S R 37 E
Unit F

Denton North Wolfcamp Unit
Denton North Wolfcamp Field

Well 5-11
GL NA
DF 3813'



10 Sx Plug at surface

40 Sx. Plug from 242' to 338'
13 3/8", 35.6 #/Ft Csg Set @ 338' w/400 Sx CMT.
Circ. to surface.

40 Sx. Plug from 2114' to 2250'

Top liner @ 4452'

25 Sx. Plug from 4588' to 4812'.

8 5/8" 32#/Ft. Csg. Set @ 4740' w/2200 Sx. CMT.
Circ. to surface.

10 Sx. Plug from 8980' to 9070'.

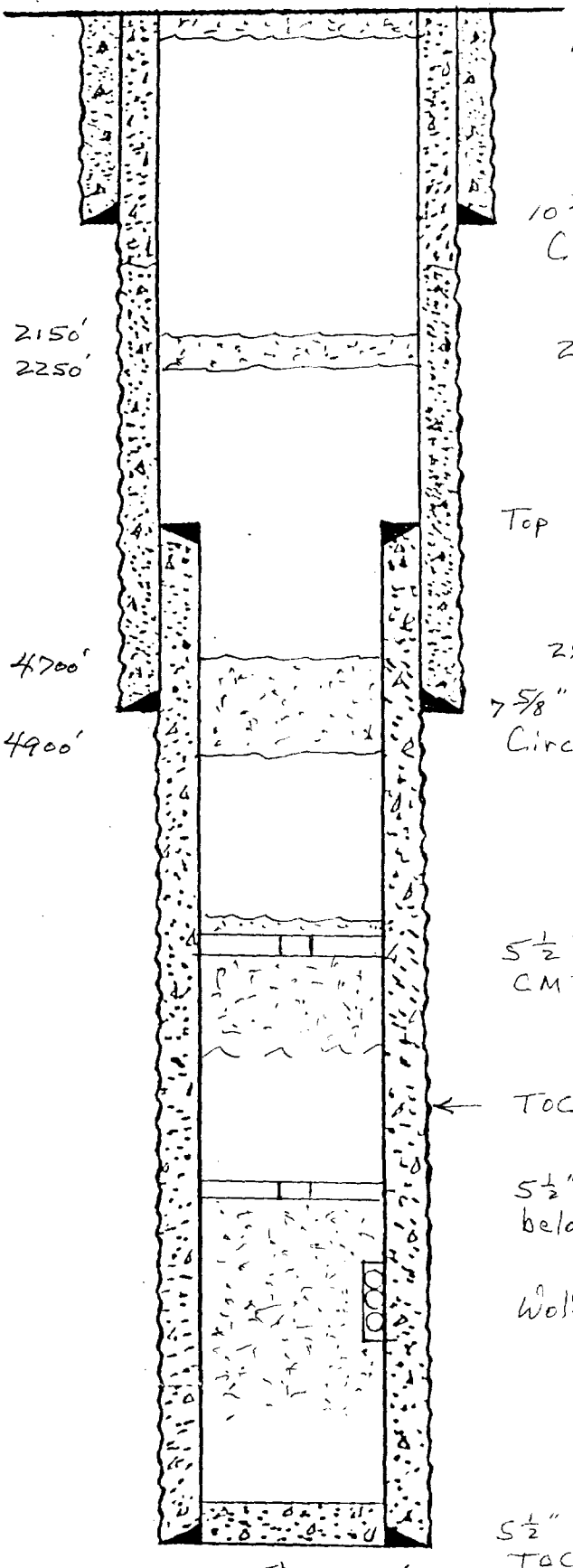
5½" 17#/Ft. liner Set @ 9200' w/800 Sx CMT.
Circ. to top of liner.
Wolfcamp Openhole 9200' to 9288'

P+A 11-8-76

Mobil Oil Corp.
Section 35 T14S R37E
Unit G

Denton North Wolfcamp Unit
Denton North Wolfcamp Field

Well 6-27
GL 3794'
DF 3805'



10 Sx. Plug @ Surface 0' to 30'

10 3/4", 35.75 #/Ft. CSG. Set @ 448' w/450 Sx. CMT. Circ. to Surface.

25 Sx. Plug from 2150' to 2250'

Top liner @ 4623'. Squeezed top of liner w/300 sx.

25 Sx. Plug from 4700' to 4900'

7 5/8" 24# + 26.4 #/Ft. CSG. Set @ 4800' w/1565 Sx. CMT. Circ. to Surface.

5 1/2" EZ Drill Retainer @ 5321' + pumped 250 sx CMT. below Retainer

TOC @ 6455' (Temp Survey)

5 1/2" CMT. Retainer @ 8987'. Squeezed 85 sx. CMT below Retainer.

Wolfcamp perforations 9181' to 9206'

5 1/2" 17 #/Ft. liner Set @ 9355' w/415 Sx CMT. TOC @ 6455' (Temp. Survey)

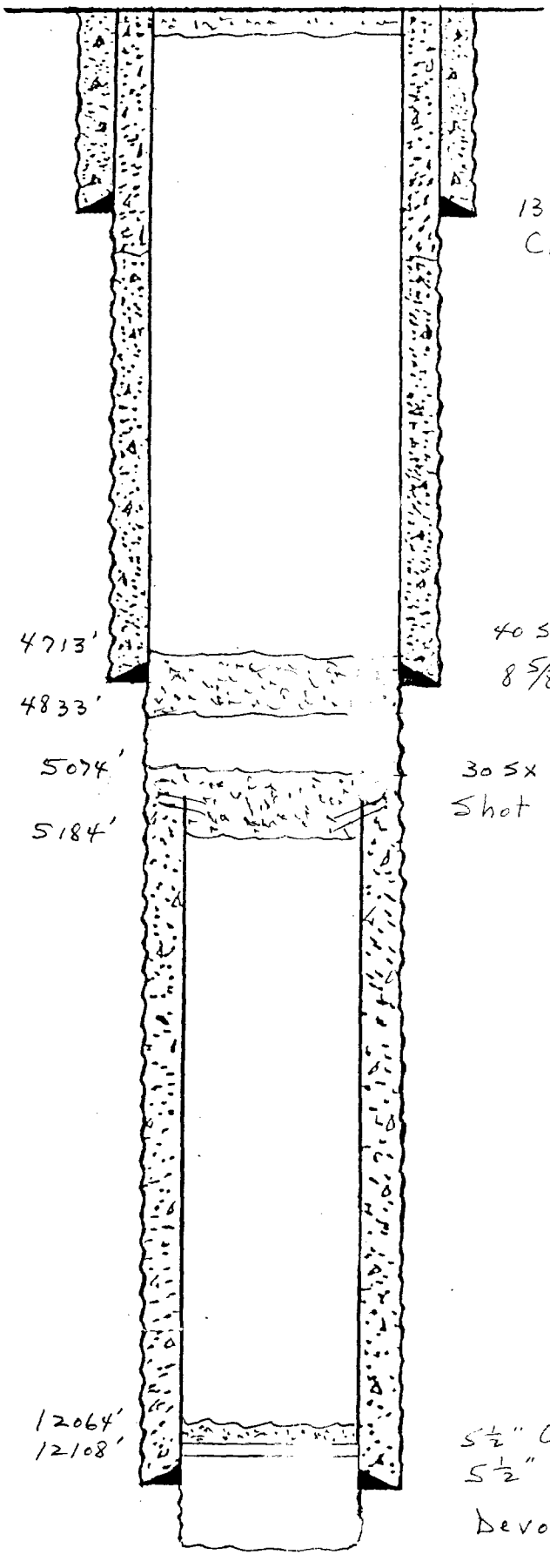
P+A 8-25-76

Atlantic Richfield Co.
Section 35 T14S R37E
Unit L

Dickinson "D"
Denton Devonian Field

Well No. 2

GL NA
DF 3820'



10 Sx Plug at Surface.

13 3/8" 50#/Ft. CSG Set @ 332' w/365 Sx CMT.
Circ. to Surface.

4713'

40 Sx Plug from 4713' to 4833'.
8 5/8" 32#/Ft CSG Set @ 4741' w/1500 Sx CMT.

4833'

5074'

30 Sx Plug from 5074' to 5184'.
Shot off 5½" CSG @ 5166'.

5184'

12064'
12108'

5½" CIBP @ 12108' + 5 Sx CMT to 12064'
5½" 17#/Ft. CSG Set @ 12586' w/875 Sx CMT
Devonian Openhole 12586' to 12685'

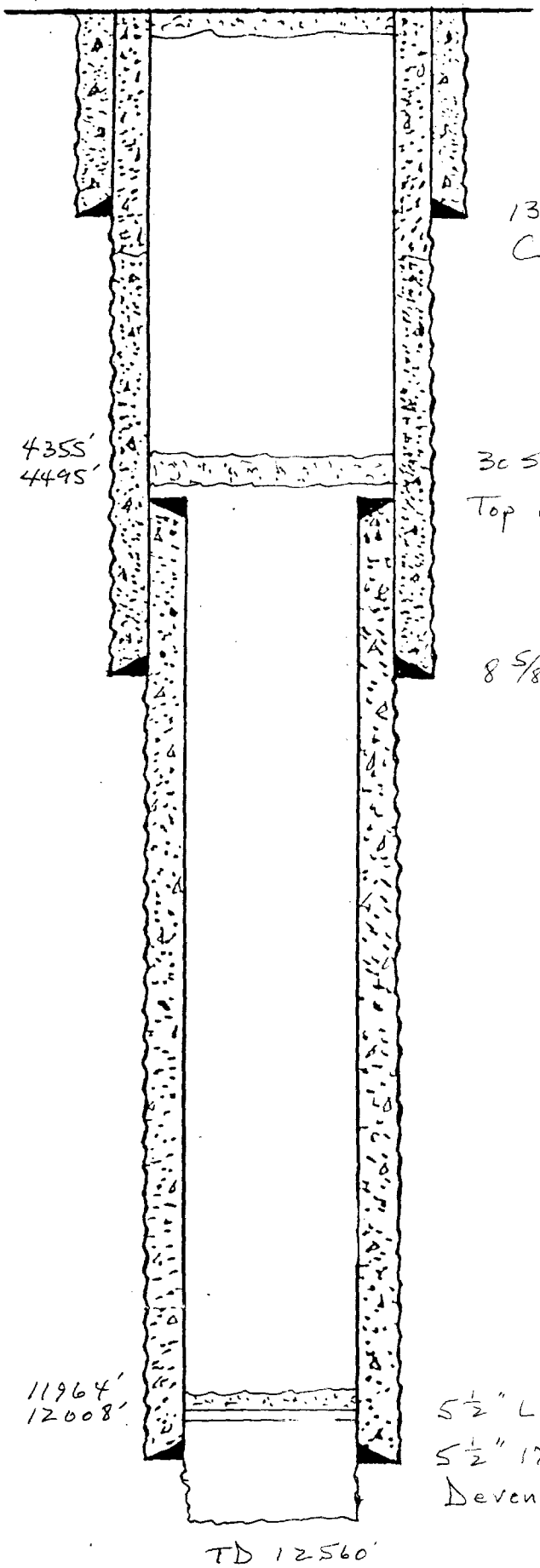
TD 12685'

P+A 5-4-72

Atlantic Richfield Co.
Section 35 T14S R32E
Unit K

Dickinson "D"
Denton Devonian Field

Well No. 6
GL NA
DF 3816'



10 Sx Plug at Surface

13 3/8" 50#/Ft. CSG Set @ 339' w/400 Sx CMT.
Circ. to Surface

4355'
4495'

30 Sx Plug from 4355' to 4495'
Top of liner @ 4515'

8 5/8" 32#/Ft. CSG Set @ 4749' w/1700 Sx CMT.

11964'
12008'

5½" LIBP @ 12008' + 5 Sx CMT to 11964'
5½" 17#/Ft. CSG Set @ 12369' w/900 Sx CMT.
Devenian Openhole 12369' to 12560'.

TD 12560'

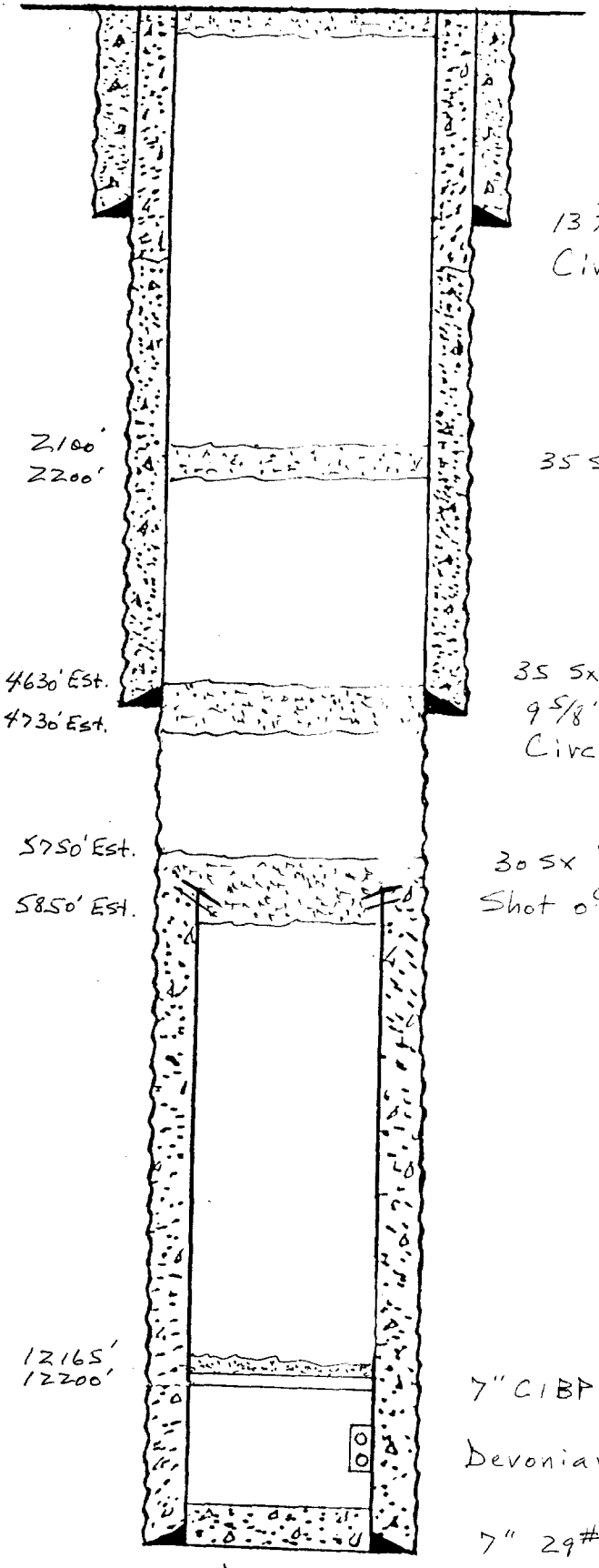
P+A 4-29-72

Atlantic Richfield Co.
Section 35 T14S R37E
Unit K

Jones Federal
Denton Devonian Field

Well No. 1

GL NA
DF 3820'



10 Sx Plug at Surface

13 3/8" 50#/Ft. CSG Set @ 313' w/400 Sx CMT. Circ. to Surface.

2100'
2200'

35 Sx Plug from 2100' to 2200'

4630' Est.
4730' Est.

35 Sx Plug from 4630' Est. to 4730' Est.

9 5/8" 36#/Ft. CSG. Set @ 4678' w/3000 Sx CMT. Circ. to Surface.

5750' Est.
5850' Est.

30 Sx Plug in 7" CSG stub from 5750' Est. to 5850' Est.

Shot off 7" CSG @ 5800'

12165'
12200'

7" CIBP @ 12200' + 35' of CMT. to 12165'

Devonian perforations 12460' to 12632'

7" 29#/Ft. CSG. Set @ 12697' w/855 Sx CMT.

TD 12700'

P + A 4-11-73

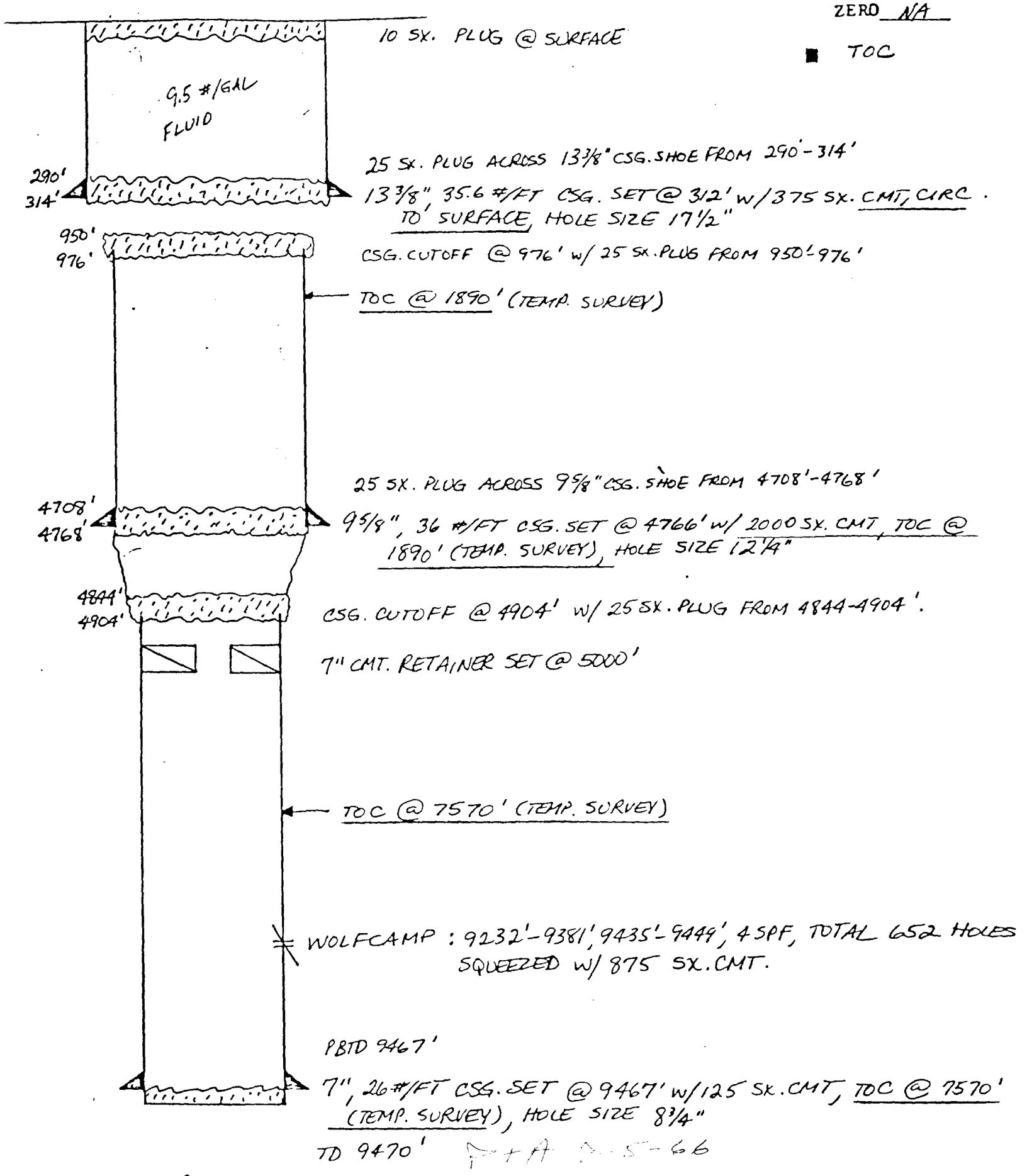
Tract 7

DATE 12-20-82 WELL NO. 12-K LEASE ARCO-T.D. "E" FIELD DENTON WOLFCAMP

LOCATION SEC. 36, T14S, R37E, 2130' FSL & 1650' FWL

SIGNED J. BOUBEL

G.L. 3801'
D.F. NA
K.B. NA
ZERO NA



TRACT 8 - MOBIL -

DATE 12-20-82 WE NO. 3 LEASE DENTON NORTH UNIT CAMP UNIT FIELD DENTON WOLFCAMP

LOCATION SEC. 36, T14S, R37E, 1980' FNL & 2310' F.L

SIGNED J. BOUBEL

G.L. 3801'
D.F. 3812'
K.B. NA
ZERO NA

P & A 1

TOC

10 SX. PLUG @ SURFACE

9.5 #/GAL FLUID

250'

40 SX. PLUG OVER 13 3/8" CSG. SHOE FROM 250'-372'

372'

13 3/8", 35.6 #/FT CSG. SET @ 318' W/375 SX. CMT, CIRC. TO SURFACE

TOC @ 1030' (TEMP. SURVEY)

1900'
2093'

60 SX. PLUG OVER SALT ZONE FROM 1900'-2093'

4630'

9 5/8", 36#/FT CSG. SET @ 4790' W/2500 SX. CMT, TOC @ 1030' (TEMP. SURVEY)

4870'

CSG. CUTOFF @ 4873' W/ 75 SX. PLUG FROM 4630'-4870'

PERFS 5160'-5260' SQ. W/ 30 SX. CMT

PERFS. 5904'-6049 SQ. W/ 50 SX. CMT

TOC @ 8060' (TEMP. SURVEY)

7" BAKER MODEL "D" PKR W/ DR PLUG @ 9252'. CAPPED W/ 30 SX. CMT

WOLFCAMP: 9284'-9436' SQUEEZED W/ 88 SX. CMT

7" CMT. RETAINER @ 9483'

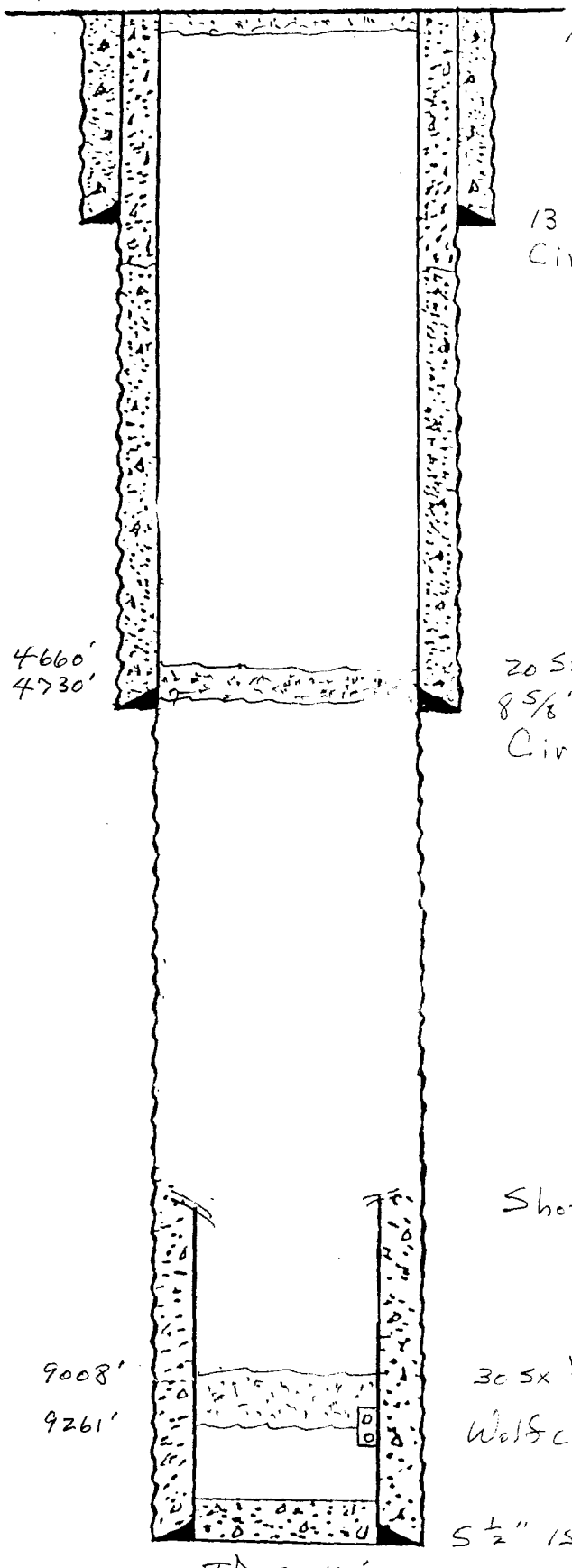
7", 29#/FT CSG. SET @ 12641' W/ 600 SX. CMT, TOC @ 8060' (TEMP. SURVEY)
TD 12641'

P+A 12-20-82

Shell Oil Co.
Section 1 T15S R37E
Unit E

A. R. Priest
Denton Wolfcamp Field

Well No. 6 D+A
GL NA
DF 3810'



10 sx Plug at Surface

13 3/8" 36+48#/Ft. CsG Set @ 377' w/350 sx CMT
Circ. to Surface.

4660'
4730'

20 sx Plug from 4660' to 4730'.
8 5/8" 28#+32#/Ft. CsG Set @ 4752' w/2250 sx CMT
Circ. to Surface.

Shot off 5½" CsG @ 8696'

9008'
9261'

30 sx Plug from 9008' to 9261'
Wolfcamp perforations 9165' to 9404'

5½" 15.5#/Ft. CsG Set @ 9447' w/150 sx CMT.

TD 9447'

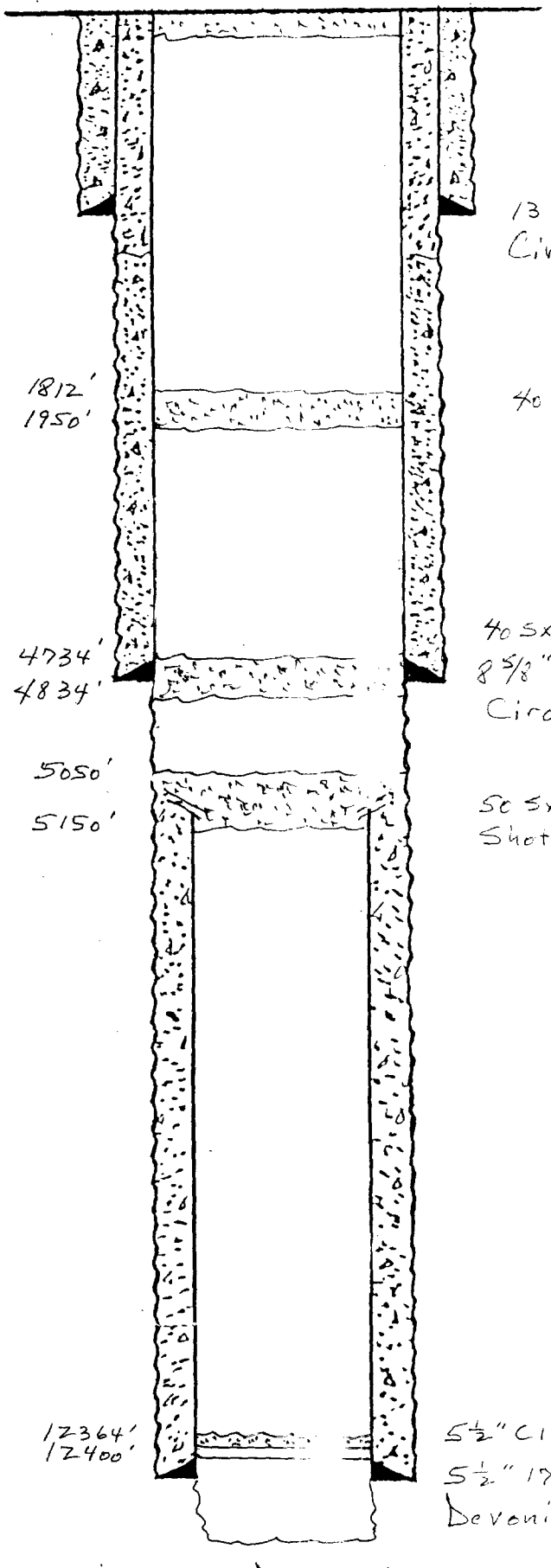
D+A 1-7-54

Shell Oil Co.
Section 1 T15S R32E
Unit B

A. R. Priest
Denton Devonian Field

Well No. 7

GL NA
DF 3806'



10 Sx Plug at Surface

13 3/8" 36 + 48 #/Ft CSG Set @ 361' w/ 400 Sx CMT.
Circ. to Surface.

1812'
1950'

40 Sx Plug From 1812' to 1950'

40 Sx Plug From 4734' to 4834'

4734'
4834'

8 5/8" 28 + 32 #/Ft CSG Set @ 4784' w/ 2100 Sx CMT.
Circ. to Surface.

5050'
5150'

50 Sx Plug From 5050' to 5150'
Shot off 5 1/2" CSG @ 5100'

12364'
12400'

5 1/2" CIBP @ 12400' + 4 Sx CMT on Plug.
5 1/2" 17 #/Ft CSG Set @ 12579' w/ 250 Sx CMT
Devonian Openhole 12579' to 12680'

TD 12680'

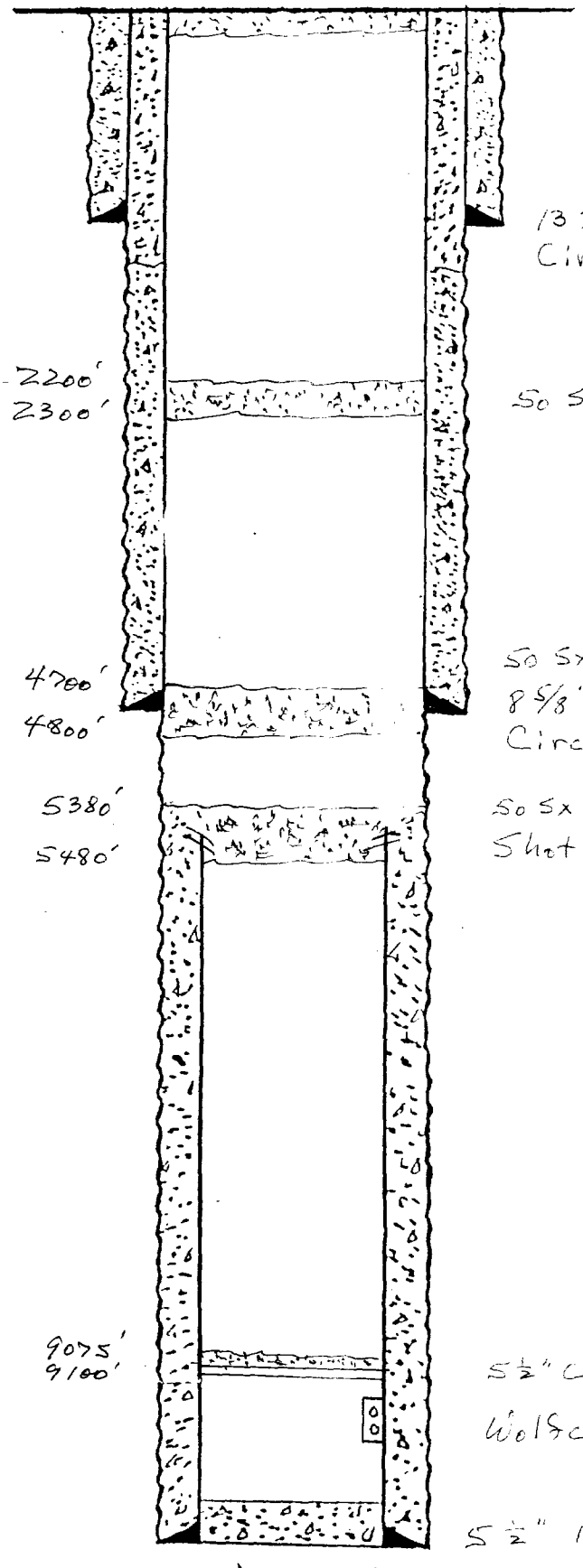
P + A 5-31-75

J Kelly Oil Co.
Section 2 T15S R37E
Unit A

Mexico "F"
Denton Wolfcamp Field

Well No. 12

GL NA
DF 3812'



10 Sx Plug at Surface

13 3/8" 48#/Ft. Csg Set @ 324' w/318 Sx CMT
Circ. to Surface

2200'
2300'

50 Sx Plug from 2200' to 2300'

4700'
4800'

50 Sx Plug from 4700' to 4800'
8 5/8" 32#/Ft. Csg Set @ 4752' w/1850 Sx CMT
Circ. to Surface

5380'
5480'

50 Sx Plug from 5380' to 5480'
Shot off 5½" Csg @ 5392'

9075'
9100'

5½" CIBP @ 9100' w/CMT to 9075'

Wolfcamp perforations 9174' to 9224'

5½" 17#/Ft. Csg Set @ 9253' w/700 Sx CMT.

TD 9253'

P+A 8-28-73

Reef Chemical Co., Inc.
P. O. Box 529, Snyder, Texas 79549

WATER ANALYSIS REPORT

SAMPLE

South of 7-8; North + little west of 2-2

Company : **S & J OPERATING**
Source : **EAST WATERWELL**
Number : **23910**

Location : **DENTON NORTH WOLFCAMP**
Date Sampled : **03-October-1991**
Attention :

ANALYSIS

			MG/L	EQ. WT.	*MEQ/L
1.	pH		7.610		
2.	Specific Gravity 60/60 F.		1.003		
3.	Hydrogen Sulfide		NEGATIVE		
4.	Carbon Dioxide		Not Determined		
5.	Dissolved Oxygen		Not Determined		
6.	Hydroxyl	(OH-)	0	/ 17.0 =	0.00
7.	Carbonate	(CO3=)	0	/ 30.0 =	0.00
8.	Bicarbonate	(HCO3-)	342	/ 61.1 =	5.60
9.	Chloride	(Cl-)	50	/ 35.5 =	1.41
10.	Sulfate	(SO4=)	100	/ 48.8 =	2.05
11.	Calcium	(Ca++)	80	/ 20.1 =	3.98
12.	Magnesium	(Mg++)	49	/ 12.2 =	4.02
13.	Sodium	(Na+) (Calculated)	25	/ 23.0 =	1.09
14.	Barium	(Ba++)	Not Determined		
15.	Total Iron	(Fe)	0	/ 18.2 =	0.01
16.	Dissolved Solids		646		
17.	Filtrable Solids		0.00		
18.	Total Solids		646.00		
19.	Total Hardness As CaCO3		400		
20.	Suspended Oil		0.00		
21.	Volume Filtered (ml)		0		
22.	Resistivity @ 75 F. (Calculated)		2.593 /cm.		
23.	CaCO3 Saturation Index	@ 80 F. +1.002		@ 140 F. +1.602	

*Milli Equivalents per Liter

Calculated Calcium Sulfate solubility in this brine is 2,393 mg/L. at 90 F.

Chemist

PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
Ca(HCO3)2	81.04	3.98	323
CaSO4	68.07	0.00	0
CaCl2	55.50	0.00	0
Mg(HCO3)2	73.17	1.62	118
MgSO4	60.19	2.05	123
MgCL2	47.62	0.35	17
NaHCO3	84.00	0.00	0
NaSO4	71.03	0.00	0
NaCl	58.46	1.06	62

Reef Chemical Co., Inc.
P. O. Box 529, Snyder, Texas 79549

WATER ANALYSIS REPORT

SAMPLE

Company : **S & J OPERATING**
Source : **INJECTION PLANT**
Number : **23909**

Location : **DENTON NORTH WOLFCAMP**
Date Sampled : **03-October-1991**
Attention :

ANALYSIS			MG/L	EQ. WT.	*MEQ/L
1.	pH		6.510		
2.	Specific Gravity 60/60 F.		1.052		
3.	Hydrogen Sulfide		POSITIVE		
4.	Carbon Dioxide		Not Determined		
5.	Dissolved Oxygen		Not Determined		
6.	Hydroxyl	(OH-)	0	/ 17.0 =	0.00
7.	Carbonate	(CO3=)	0	/ 30.0 =	0.00
8.	Bicarbonate	(HCO3-)	586	/ 61.1 =	9.59
9.	Chloride	(Cl-)	50,989	/ 35.5 =	1,436.31
10.	Sulfate	(SO4=)	2,500	/ 48.8 =	51.23
11.	Calcium	(Ca++)	3,046	/ 20.1 =	151.54
12.	Magnesium	(Mg++)	827	/ 12.2 =	67.79
13.	Sodium	(Na+) (Calculated)	29,423	/ 23.0 =	1,279.26
14.	Barium	(Ba++)	Not Determined		
15.	Total Iron	(Fe)	1	/ 18.2 =	0.05
16.	Dissolved Solids		87,371		
17.	Filtrable Solids		0.00		
18.	Total Solids		87,371.00		
19.	Total Hardness As CaCO3		11,010		
20.	Suspended Oil		0.00		
21.	Volume Filtered (ml)		0		
22.	Resistivity @ 75 F. (Calculated)		0.111 /cm.		
23.	CaCO3 Saturation Index	@ 80 F.	+0.003	@ 140 F.	+0.933

*Milli Equivalents per Liter

Calculated Calcium Sulfate solubility in this brine is 4,334 mg/L. at 90 F.

Chemist Rodney Kuhn

PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
Ca(HCO3)2	81.04	9.59	777
CaSO4	68.07	51.23	3,487
CaCl2	55.50	90.72	5,035
Mg(HCO3)2	73.17	0.00	0
MgSO4	60.19	0.00	0
MgCL2	47.62	67.79	3,228
NaHCO3	84.00	0.00	0
NaSO4	71.03	0.00	0
NaCl	58.46	1,277.80	74,700

Reef Chemical Co., Inc.
P. O. Box 529, Snyder, Texas 79549

WATER ANALYSIS REPORT

SAMPLE

Company : **S & J OPERATING**
Source : **WEST WATER WELL**
Number : **23911**

South of 5-10
Location : **DENTON NORTH WOLFCAMP**
Date Sampled : **03-October-1991**
Attention :

ANALYSIS

			MG/L	EQ. WT.	*MEQ/L
1.	pH		7.510		
2.	Specific Gravity 60/60 F.		1.003		
3.	Hydrogen Sulfide		NEGATIVE		
4.	Carbon Dioxide		Not Determined		
5.	Dissolved Oxygen		Not Determined		
6.	Hydroxyl	(OH-)	0	/ 17.0 =	0.00
7.	Carbonate	(CO3=)	0	/ 30.0 =	0.00
8.	Bicarbonate	(HCO3-)	366	/ 61.1 =	5.99
9.	Chloride	(Cl-)	40	/ 35.5 =	1.13
10.	Sulfate	(SO4=)	100	/ 48.8 =	2.05
11.	Calcium	(Ca++)	80	/ 20.1 =	3.98
12.	Magnesium	(Mg++)	24	/ 12.2 =	1.97
13.	Sodium	(Na+) (Calculated)	75	/ 23.0 =	3.26
14.	Barium	(Ba++)	Not Determined		
15.	Total Iron	(Fe)	0	/ 18.2 =	0.01
16.	Dissolved Solids		685		
17.	Filtrable Solids		0.00		
18.	Total Solids		685.00		
19.	Total Hardness As CaCO3		300		
20.	Suspended Oil		0.00		
21.	Volume Filtered (ml)		0		
22.	Resistivity @ 75 F. (Calculated)		2.589 /cm.		
23.	CaCO3 Saturation Index	@ 80 F.	+0.933	@ 140 F.	+1.533

*Milli Equivalents per Liter

Calculated Calcium Sulfate solubility in this brine is 2,393 mg/L. at 90 F.

Chemist Rodney Kuhn

PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L =	mg/L.
Ca(HCO3)2	81.04	3.98	323
CaSO4	68.07	0.00	0
CaCl2	55.50	0.00	0
Mg(HCO3)2	73.17	1.97	144
MgSO4	60.19	0.00	0
MgCL2	47.62	0.00	0
NaHCO3	84.00	0.04	4
NaSO4	71.03	2.05	146
NaCl	58.46	1.13	66

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

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

One weeks.
Beginning with the issue dated

Oct. 10, 1991
and ending with the issue dated

Oct. 10, 1991

Kathi Bearden
General Manager

Sworn and subscribed to before me this 14 day of Oct, 1991

Paula Parrish
Notary Public.

My Commission expires

Aug. 5, 1995
(Seal)

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.

LEGAL NOTICE
October 10, 1991

These wells will inject water into the Wolfcamp at a depth of approximately 9100' in the Denton North Wolfcamp Unit as an expansion of an existing waterflood. The expected maximum injection rate is 500 barrels per day per well and the maximum expected injection pressure is 3500 psig.

Following is the pertinent information for each of these proposed injection wells:

Well No.	5-12	7-3	8-1
Location	E-35-14S-37E 1980' FNL & 810' FWL	M-36-14S-37E 660' FSL & 660' FWL	O-36-14S-37E 660' FSL & 2310 FEL
Injection Interval	9280-'9380'	9185'-9274	9269'9424'

In the event that any interested party wishes to file any objections or wishes to request a hearing, these objections of request must be filed within 15 days to the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501.

Peyton S. Carnes, Jr.
S & J Operating Company
P.O. Box 2249
Wichita Falls, Texas 76307
817-723-2166

P 247 650 268

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Mr. Joe Pope	
Street and No. Rt 1, Box 504	
P.O. State and ZIP Code Lovington, NM 88260	
Postage	$ 1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	3.44
Postmark or Date	

OCT 24 1991

* U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

P 247 650 315

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Sent to Dickinson Cattle Co.	
Street and No. P O Box 247	
P.O., State and ZIP Code Roswell NM 88202	
Postage	$ 1.44
Certified Fee	1.00
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Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 3.44
Postmark or Date	

OCT 24 1991 USPO

* U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

P 663 976 818

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(See Reverse)

Sent to Mr. Norman Caswell	
Street and No. Rt 1, Box 134	
P.O., State and ZIP Code Meadow, TX 79345	
Postage	$ 1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 3.44
Postmark or Date	

OCT 24

PS Form 3800, June 1985

Proof of certified mailed copies to surface owners on October 24, 1991.

S & J Operating Company
Denton North Wolfcamp Unit
Conversion of Wells 5-12, 7-3 and 8-1 to water injection
Lea County, New Mexico

P 247 650 270

RECEIPT FOR CERTIFIED MAIL

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(See Reverse)

Sent to
Polaris Production Corp.
Street and No.
P O Box 1749
P.O. State and ZIP Code
Midland, TX 79702-1749

Postage	1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	3.44
Postmark or Date	OCT 24 199

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P 247 650 267

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(See Reverse)

Attn: Mr. E. J. Wentworth
Hondo Oil & Gas Co.
Street and No.
P. O. Box 2208
P.O. State and ZIP Code
Roswell, NM 88202

Postage	1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	3.44
Postmark or Date	OCT 24 1991

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RECEIPT FOR CERTIFIED MAIL

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(See Reverse)

Sent to
Ultramar Production Co.
Street and No.
16825 Northchase Dr.,Ste 1200
P.O. State and ZIP Code
Houston, TX 77060

Postage	1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	3.44
Postmark or Date	OCT 24 199

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P 247 650 271

RECEIPT FOR CERTIFIED MAIL

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(See Reverse)

Attn: Mr. James Head
Texaco Inc.
Street and No.
P O Box 730
P.O. State and ZIP Code
Hobbs, NM 88240

Postage	1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	3.44
Postmark or Date	WICHITA FALLS OCT 24 199

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S & J Operating Company
Denton North Wolfcamp Unit
Conversion of Wells 5-12, 7-3 and 8-1 to water injection
Lea County, New Mexico

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC_____
DHC_____
NSL_____
NSP_____
SWD_____
WFX X
PMX_____

Gentlemen:

I have examined the application for the:

Th 5 #12-E 35-14-37
Th 7 #3-M 36-14-37
Th 8 #1-O 36-14-37

MJ Operating | Lease & Well No. | Unit | S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed