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

I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: CONOCO INC.

Address: 726 E. MICHIGAN HOBBS, NEW MEXICO 88240

Contact party: ED KEPFORD / JAY VASHLER Phone: (505) 393-4141

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? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-4068.

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: ROBERT GAULT III Title ADMINSTRATIVE MANAGER

Signature: for RG Date: 11/4/87

* 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. NOVEMBER 18, 1970

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;

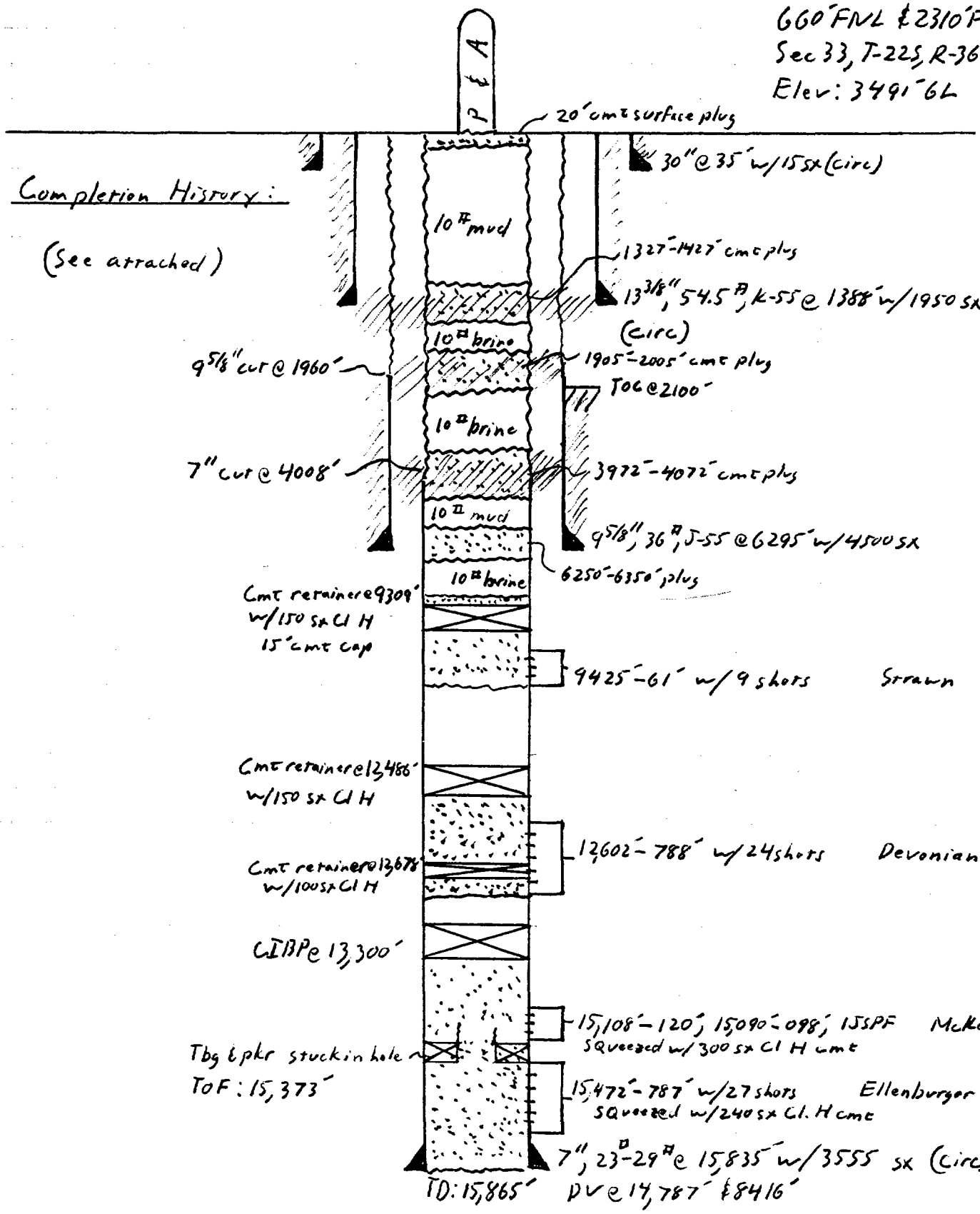
(3) the formation name and depth with expected maximum injection rates and pressures; and

(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.

660' FNL & 2310' FEL
Sec 33, T-22S, R-36E
Elev: 3491' GL



Completion History:

(See attached)

Made By JDV
Checked By
Date 10-1-87
Page ___ of ___

Conoco Inc.
Calculation Sheet

Title Langley Esmond No 1
ARCO

Job No.
Field
State NM

13-231-PB, 7-79

Langley Esmond No 1

ARCO

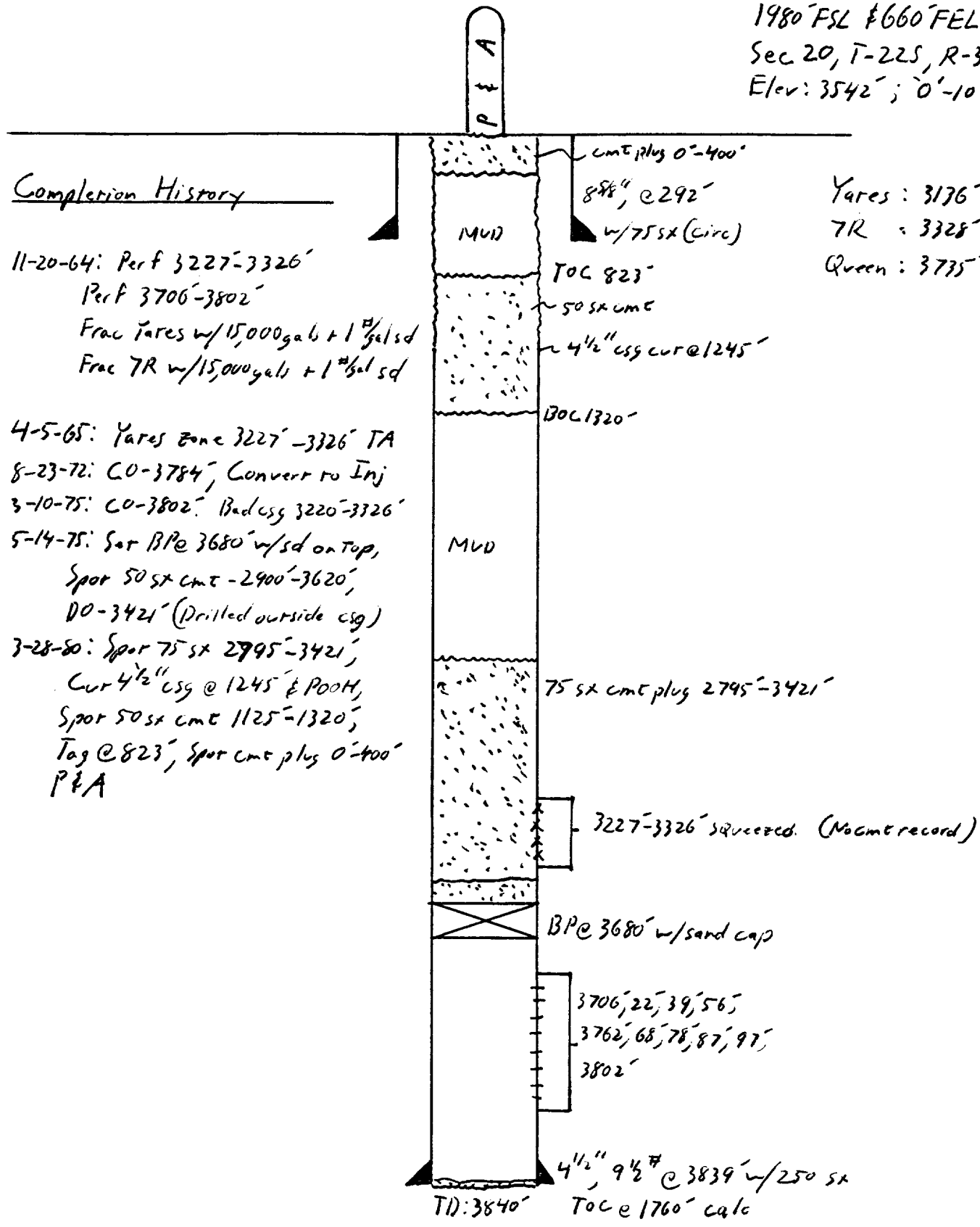
4-11-82: Perf Ellenburger 15,472'-15787' w/27 shots, Acid w/10,000 gals 15% HCl,
Frac w/ 36,332 gals pad + 23,000 gals acid
Tbg & pkr left in hole. TOF @ 15,170', pkr @ 15,380'
Mill to 15,272', 11' strip of 7" csg pulled. Mill to 15,373'.

6-27-82: Set Retainer @ 14,145' w/ 240 sx Cl H cmt. (Ellenburger perfs)
DO retainer.
Perf Mckee 15,090'-098', 15,108'-120' w/1 SPF. Acid w/ 5000 gals
Frac w/50,000 gals + 48,000 lbs bauxite + 402 MSCF N_2

7-21-82: Squeeze 15,090'-120' w/ 300 sx Cl H cmt.
Set CIBP @ 13,300'
Perf Devonian 12,602'-788' w/24 shots Acid w/5500 gals 15% HCl
Set Cmt retainer @ 12,678' w/100 sx Cl H cmt
Reperf 12,602'-656'. Acid w/5000 gals 20% HCl
Set cmt retainer @ 12,486' w/150 sx Cl H
Perf Strawn 9425'-61' w/8 shots. Acid w/500 gals 20% HCl

9-10-82: Set cmt retainer @ 9309' w/150 sx Cl H w/15' cmt top. (TOC @ 9301'),
10# brine from 9301'-6350', Class C plug 6350'-6250', gelled mud
6250'-4000', Cut 7" csg @ 4008' and POOH, Cut 9 5/8" csg @ 2158' &
couldnot pull, Cut 9 5/8" csg @ 1960' and POOH, Spot 100' Cl C
cmt 4072'-3972', 10# brine 3972'-1960', Spot 100' cmt plug
2005'-1905', 10# brine 1930'-1427', Spot Cl C plug 1427'-1327',
gelled mud 1327'-surf, 20' cmt plug @ surf
P & A

1980' FSL & 660' FEL
Sec 20, T-22S, R-36E
Elev: 3542'; 0'-10' AGL



Yates : 3136'
7R : 3328'
Queen : 3735'

Completion History

11-20-64: Perf 3227'-3326'
Perf 3706'-3802'
Frac Yates w/ 15,000 gals + 1 #/gal sd
Frac 7R w/ 15,000 gals + 1 #/gal sd

4-5-65: Yates zone 3227'-3326' TA
8-23-72: CO-3784', Convert to Inj
3-10-75: CO-3802'. Bad csg 3220'-3326'
5-14-75: Set BP @ 3680' w/ sd on top,
Spot 50 sx cmt - 2900'-3620',
DO-3421' (Drilled outside csg)
3-28-80: Spot 75 sx 2795'-3421',
Cut 4½" csg @ 1245' & POOH,
Spot 50 sx cmt 1125'-1320',
Tag @ 823', Spot cmt plug 0'-400'
P & A

Drawn By JDV
Checked By
Date 10-1-87
Page of

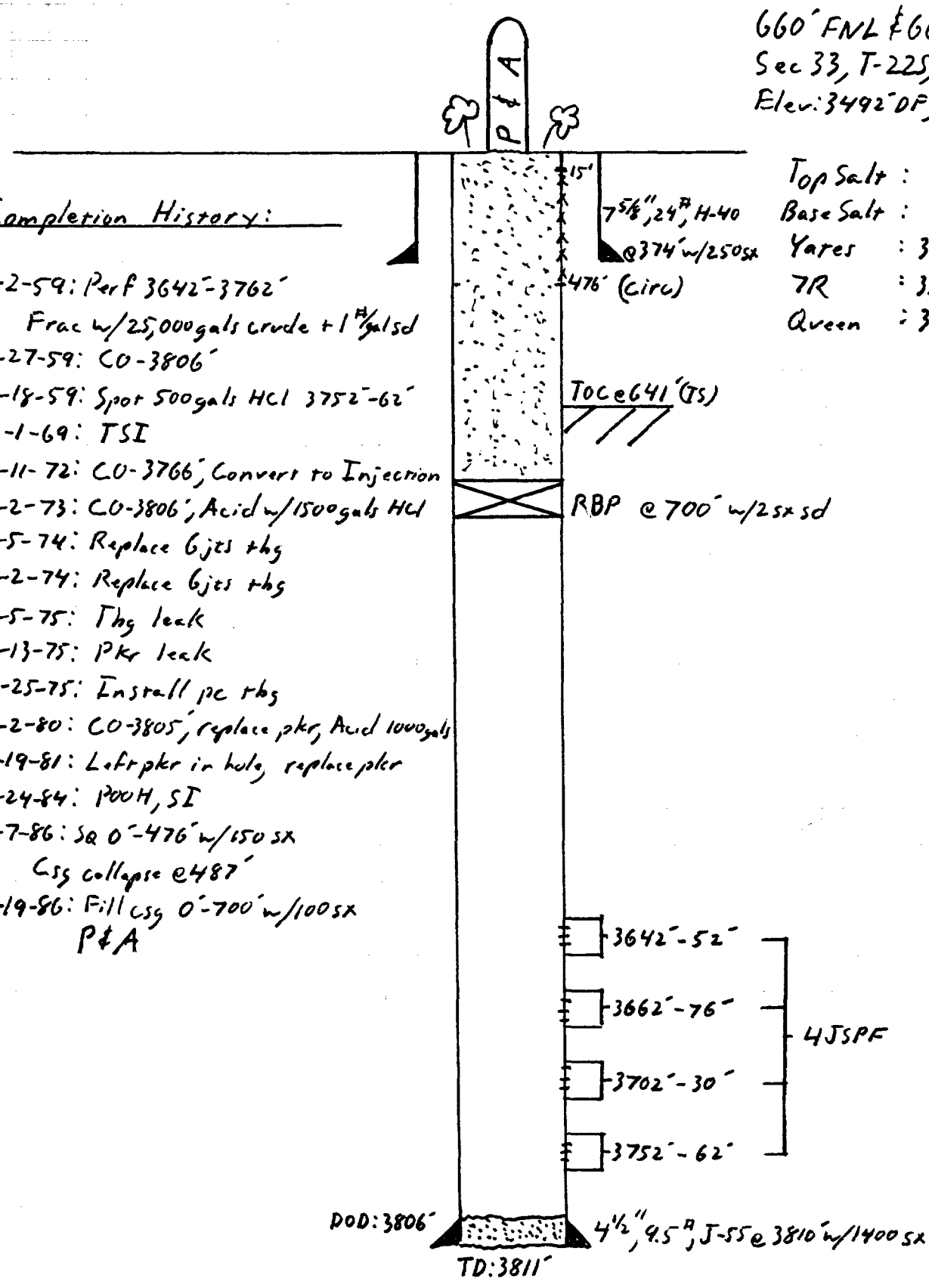
Conoco Inc.
Calculation Sheet

Job No.

Title South Eunice Unit No 16
Conoco Inc

Field NMFU
State NM

660' FNL & 660' FWL
Sec 33, T-22S, R-36E
Elev: 3492' DF; 0': 10' AGL



Top Salt :
Base Salt :
Yates : 3155'
7R : 3360'
Queen : 3775'

Completion History:

3-2-59: Perf 3642'-3762'
Frac w/ 25,000 gals crude + 1 #/gal sd
7-27-59: CO-3806'
9-18-59: Spot 500 gals HCl 3752'-62'
4-1-69: TSI
8-11-72: CO-3766', Convert to Injection
11-2-73: CO-3806', Acid w/ 1500 gals HCl
5-5-74: Replace 6 jts tbg
11-2-74: Replace 6 jts tbg
2-5-75: Tbg leak
8-13-75: Pkr leak
12-25-75: Install pc tbg
8-2-80: CO-3805', replace pkr, Acid 1000 gals
6-19-81: Left pkr in hole, replace pkr
8-24-84: POOH, SI
3-7-86: Sq 0'-476' w/ 150 sx
Csg collapse @ 487'
3-19-86: Fill csg 0'-700' w/ 100 sx
P & A

Made By JDV
Checked By
Date 9-3-87
Page ____ of ____

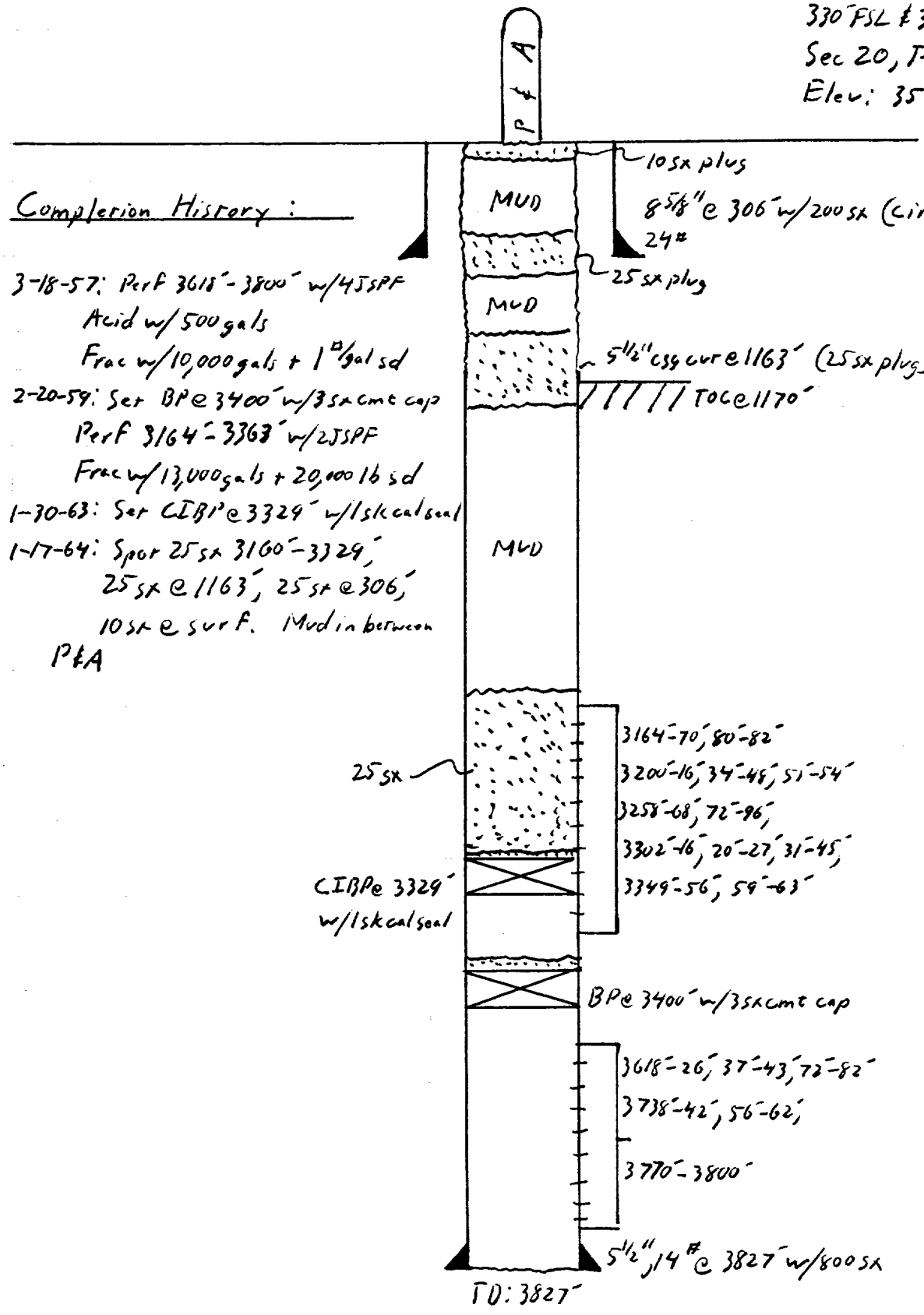
Conoco Inc.
Calculation Sheet

Title South Eunice Unit No 51
Conoco Inc

Job No.
Field NMFU
State NM

13-231-PB 7-79

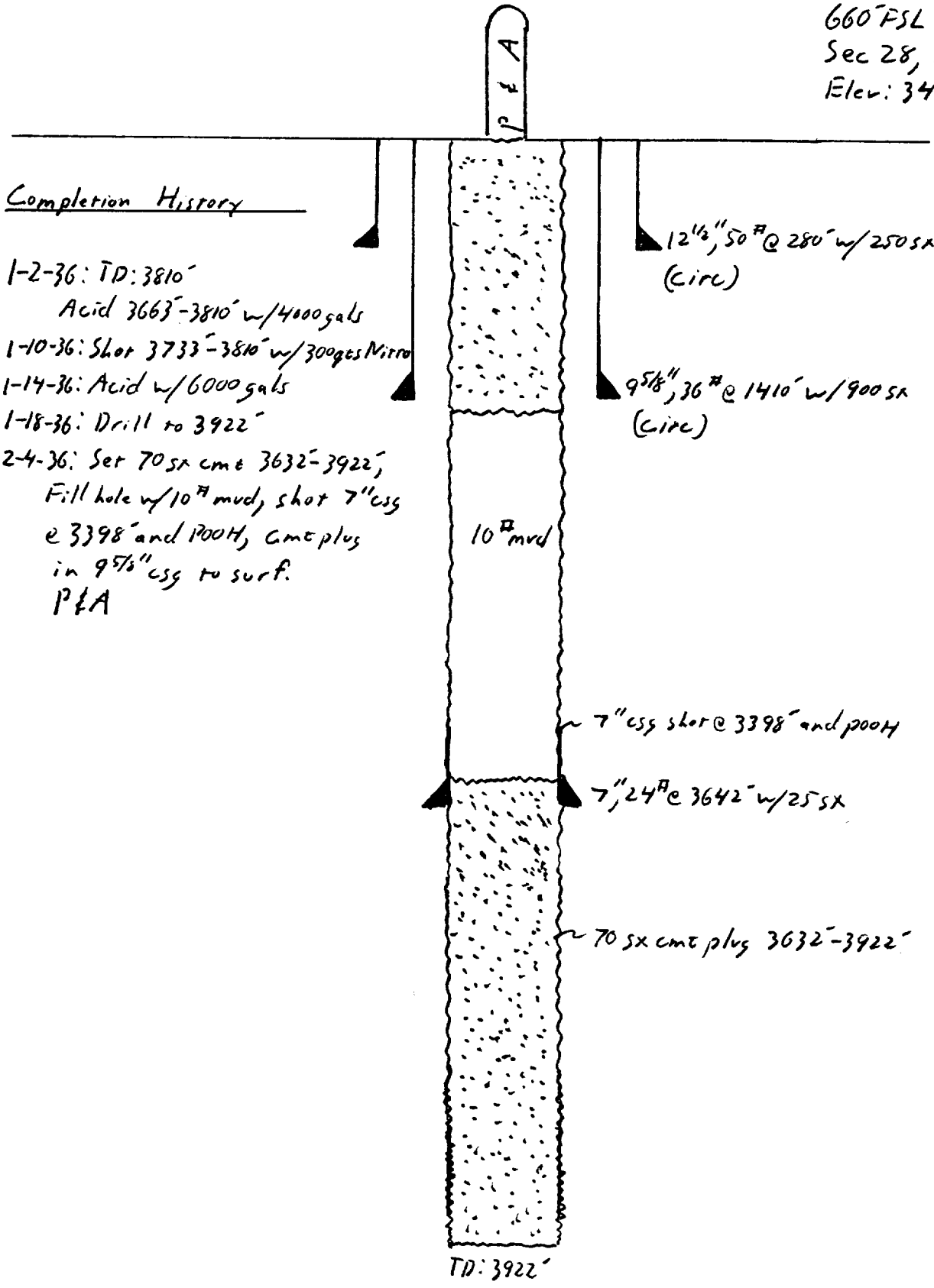
330' FSL & 330' FEL
Sec 20, T-22S, R-36E
Elev: 3547' DF



Completion History:

3-18-57: Perf 3618'-3800' w/4 JSPF
Acid w/500 gals
Frac w/10,000 gals + 1 #/gal sd
2-20-59: Set BP @ 3400' w/35 sx cmt cap
Perf 3164'-3368' w/2 JSPF
Frac w/13,000 gals + 20,000 lb sd
1-30-63: Set CIBP @ 3329' w/1 sk cal seal
1-17-64: Spot 25 sx 3160'-3329',
25 sx @ 1163', 25 sx @ 306',
10 sx @ surf. Mud in between
P&A

660' FSL & 1980' FWL
Sec 28, T-22S R-36E
Elev: 3498' DF



Completion History

1-2-36: TD: 3810'
Acid 3663'-3810' w/ 4000 gals
1-10-36: Shot 3733'-3810' w/ 300 qts Nitro
1-14-36: Acid w/ 6000 gals
1-18-36: Drill to 3922'
2-4-36: Set 70 sx cmt 3632'-3922', Fill hole w/ 10 # mud, shot 7" csg @ 3398' and pooH, cmt plug in 9 5/8" csg to surf.
P & A

Made By JDV
Checked By
Date 10-1-87
Page of

Conoco Inc.
Calculation Sheet

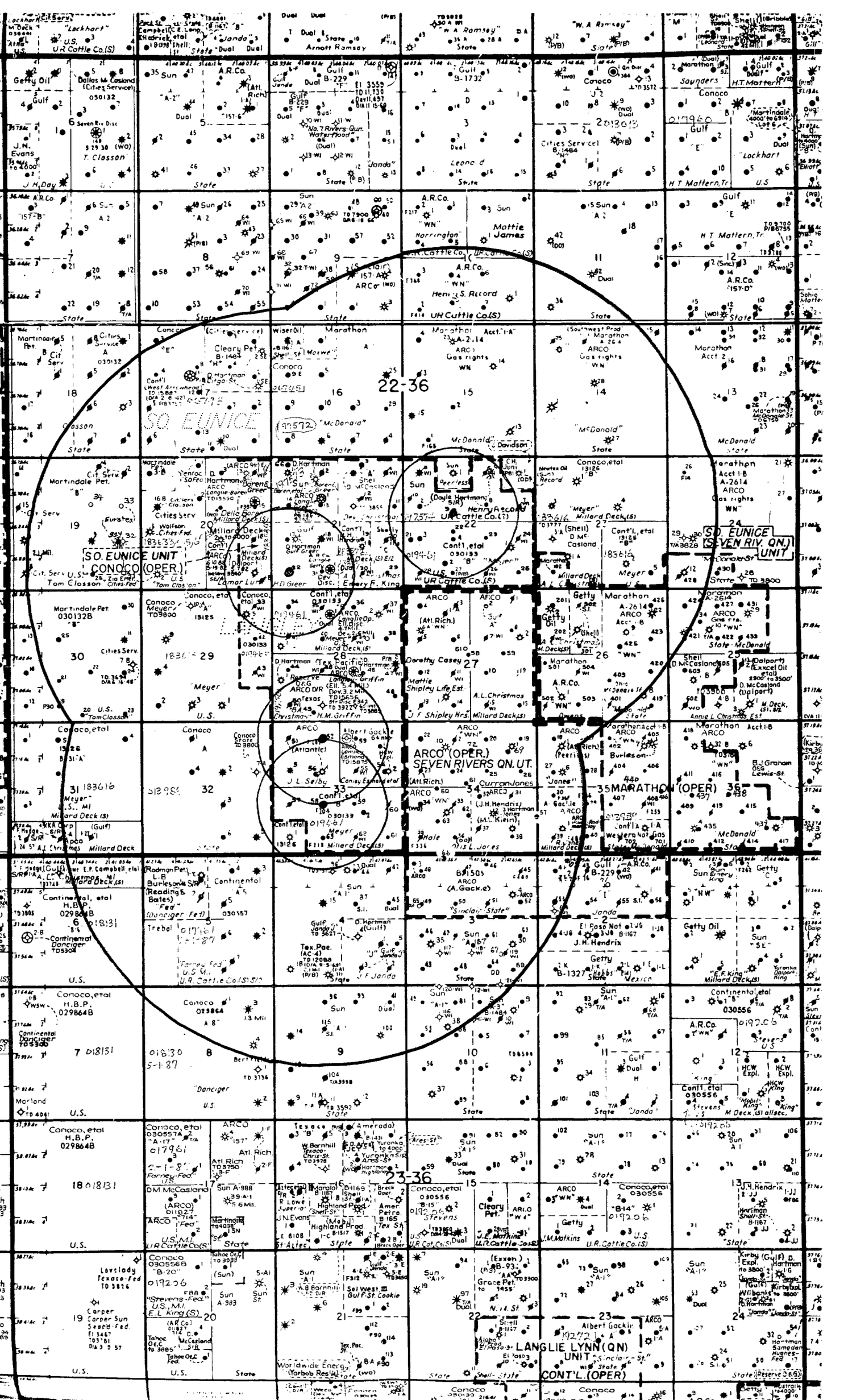
Title J. M. Dean No 1
The Texas Co

Job No.

Field

State NM

13-231-PB, 7/79


SO. EUNICE
SO. EUNICE UNIT
CONOCO (OPER.)
SO. EUNICE (SEVEN RIV. QN.) UNIT
ARCO (OPER.)
SEVEN RIVERS QN. UT.
MARATHON (OPER)
LANGLIE LYNN (QN)
UNIT
CONT'L. (OPER)
22-36
23-36

SOUTH EUNICE UNIT NO. 9 AREA OF REVIEW

WELL	TYPE	PROD/INJ INTERVAL	CASING SIZE	CASING DEPTH	CEMENT SACKS	CEMENT TOC	DATE DRILLED	LOCATION
SOUTH EUNICE UNIT NO. 11	OIL	3723'-3832'	8 5/8"	301'	300	CIRC	11-03-54	1980' FNL & 330' FEL, SEC 21, T22S,
			5 1/2"	3876'	750	NA		
SOUTH EUNICE UNIT NO. 6	INJ	3730'-3829'	8 5/8"	352'	250	CIRC	05-15-57	660' FNL & 1980' FEL, SEC 22, T22S,
			5 1/2"	3872'	1000	1340'		
H. S. RECORD NO. 9	GAS	3328'-3503'	9 5/8"	423'	350	CIRC	12-05-85	660' FNL & 1820' FEL, SEC22, T22S,
			7"	3830'	800	CIRC		
SOUTH EUNICE UNIT NO. 5	INJ	3642'-3834'	13"	156'	100	CIRC	10-08-35	660' FNL & 660' FWL, SEC 22, T22S,
			9 5/8"	1553'	1000	150'		
			7"	3642'	450	NA		
SOUTH EUNICE UNIT NO. 10	OIL	3716'-3808'	8 5/8"	350'	250	CIRC	05-24-57	1650' FNL & 380' FWL, SEC 22, T22S,
			5 1/2"	3875'	1000	1610'		
SOUTH EUNICE UNIT NO. 8	OIL	3665'-3796'	8 5/8"	355'	250	CIRC	02-09-57	1980' FNL & 1980' FEL, SEC 22, T22S,
			5 1/2"	3868'	1000	1945'		
H. S. RECORD NO. 8	SI	3320'-3448'	8 5/8"	456'	300	CIRC	06-20-82	1980' FNL & 1400' FEL, SEC 22, T22S,
			5 1/2"	3680'	1050	CIRC		
SOUTH EUNICE UNIT NO. 7	INJ	3717'-3831'	8 5/8"	350'	250	CIRC	07-19-57	1980' FNL & 990' FEL, SEC 22, T22S,
			5 1/2"	3870'	1000	1700'		
SOUTH EUNICE UNIT NO. 23	OIL	3718'-3768'	8 5/8"	366'	350	CIRC	08-19-56	1980' FSL & 1980' FEL, SEC 22, T22S,
			5 1/2"	3809'	1100	1600'		
SOUTH EUNICE UNIT NO. 22	OIL	3678'-3811'	8 5/8"	358'	350	CIRC	07-20-56	2310' FSL & 1980' FWL, SEC 22, T22S,
			5 1/2"	3824'	1100	1540'		

SOUTH EUNICE UNIT NO. 9 AREA OF REVIEW

WELL	TYPE	PROD/INJ INTERVAL	CASING SIZE	CASING DEPTH	CEMENT SACKS	CEMENT TOC	DATE DRILLED	LOCATION
SOUTH EUNICE UNIT NO. 21	OIL	3702'-3826'	8 5/8"	362'	350	CIRC	06-29-56	1980' FSL & 330' FWL, SEC 22, T22S,
			5 1/2"	3831'	900	1430'		
SOUTH EUNICE UNIT NO. 27	OIL	3641'-3817'	8 5/8"	361'	350	CIRC	08-03-56	660' FSL & 1980' FWL, SEC 22, T22S,
			5 1/2"	3824'	1100	2010'		
MEYER B-22 NO.2	SI	3175'-3450'	10 3/4"	412'	300	CIRC	05-29-49	990' FSL & 1650' FWL, SEC 22, T22S,
			5 1/2"	3175'	1200	660'		

SOUTH EUNICE UNIT NO. 32 AREA OF REVIEW

WELL	TYPE	PROD/INJ INTERVAL	CASING SIZE	CASING DEPTH	CEMENT SACKS	CEMENT TOC	DATE DRILLED	LOCATION	TD/PBTD	DATE OF COMPLETION
SOUTH EUNICE UNIT NO. 16	P&A	3227'-3326' 3706'-3802'	8 5/8" 4 1/2"	292' 3839'	75 250	CIRC NA	10-24-64	1980' FSL & 660' FEL, SEC 20, T22S, R36E	3840'/ 0'	11-20-64
LAMAR LUNT 'B' NO. 1	P&A	3164'-3345' 3618'-3800'	8 5/8" 5 1/2"	306' 3827'	208 800	CIRC 1170'	03-05-57	330' FSL & 330' FEL, SEC 20, T22S, R36E	3827'/ 0'	03-18-57
SOUTH EUNICE UNIT NO. 14	INJ	3709'-3830'	13" 9 5/8" 7"	209' 1499' 3709'	250 450 300	NA NA NA	08-24-37	1980' FNL & 660' FWL, SEC 21, T22S, R36E	3830'	09-25-37
SOUTH EUNICE UNIT NO. 18	INJ	3140'-3560' 3695'-3811'	13 3/8" 8 5/8" 6"	19' 1362' 3695'	60 600 150	CIRC CIRC 2600'	03-22-54	1980' FSL & 1980' FWL, SEC 21, T22S, R36E	3842'/3811'	04-14-54
SOUTH EUNICE UNIT NO. 17	OIL	3655'-3818'	8 5/8" 5 1/2"	420' 3825'	325 950	CIRC 575'	02-07-57	1980' FSL & 660' FWL, SEC 21, T22S, R36E	3825'/3821'	05-23-57
GULF GREER NO. 1	GAS	3479'-3585'	8 5/8" 4 1/2"	476' 3651'	125 950	CIRC CIRC	04-01-78	1980' FSL & 990' FWL, SEC 21, T22S, R36E	3651'/3623'	05-20-78
LANGLEY GETTY COM NO. 1	OIL	12,532'-617' 15,157'-358'	13 3/8" 9 5/8" 7"	1410' 6200' 15,500'	1200 2925 2100	CIRC 1450' 5400'	06-16-78	790' FSL & 2310' FWL, SEC 21, T22S, R36E	15,500'/ 15,415'	05-19-79
SOUTH EUNICE UNIT NO. 31	OIL	3722'-3799'	8 5/8" 5 1/2"	268' 3810'	225 1530	CIRC 50'	12-12-56	660' FSL & 1980' FWL, SEC 21, T22S, R36E	3810'/3806'	01-09-57
LANGLEY DEEP NO. 1	OIL	12,386'-507' 15,329'-531'	20" 13 3/8" 9 5/8" 7"	22' 1425' 6200' 15,670'	300 1140 800 2700	CIRC CIRC 2500' NA	11-10-77	990' FNL & 2310' FWL, SEC 28, T22S, R36E	15,671'/ 15,590'	05-28-78

SOUTH EUNICE UNIT NO. 32 AREA OF REVIEW

WELL	TYPE	PROD/INJ INTERVAL	CASING SIZE	CASING DEPTH	CEMENT SACKS	CEMENT TOC	DATE DRILLED	LOCATION	TD/PBTD	DATE OF COMPLETION
SOUTH EUNICE UNIT NO. 35	INJ	3684'-3800'	8 5/8"	359'	350	CIRC	10-31-56	660' FNL & 1980' FWL, SEC 28, T22S, R36E	3800'	11-26-56
			5 1/2"	3799'	900	1475'				
			3 1/2"	3659'	275	800'				
SOUTH EUNICE UNIT NO. 34	OIL	3610'-3784'	9 5/8"	260'	250	CIRC	01-17-57	660' FNL & 660' FWL, SEC 28, T22S, R36E	3815'/3810'	02-11-57
			5 1/2"	3814'	1100	1775'				
SOUTH EUNICE UNIT NO. 41	INJ	3668'-3782'	8 5/8"	351'	350	CIRC	02-05-57	1980' FNL & 660' FWL, SEC 28, T22S, R36E	3820'/3804'	02-28-57
			5 1/2"	3819'	1450	875'				
			4"	3658'	150	CIRC				
SOUTH EUNICE UNIT NO. 33	INJ	3644'-3810'	8 5/8"	361'	350	CIRC	05-02-57	660' FNL & 660' FEL, SEC 29, T22S, R36E	3815'/3813'	06-19-57
			5 1/2"	3814'	1106	1325'				

SOUTH EUNICE UNIT NOS. 52 & 58 AREA OF REVIEW

WELL	TYPE	PROD/INJ INTERVAL	CASING SIZE	CASING DEPTH	CEMENT SACKS	CEMENT TOC	DATE DRILLED	LOCATION	TD/PBTD	DATE OF COMPLETION
SOUTH EUNICE UNIT NO. 45	INJ	3652'-3790'	8 5/8"	284'	250	CIRC	08-29-58	1980' FSL & 1980' FWL, SEC 28, T22S, R36E	3817'/3803'	10-28-58
			5 1/2"	3816'	450	CIRC				
J. M. DEAN NO. 1	D&A	3642'-3922'	12 1/2"	280'	250	CIRC	11-06-35	660' FSL & 1980' FWL, SEC 28, T22S, R36E	3922'/ 0'	02-04-36
Check			9 5/8"	1410'	900	CIRC				
			7"	3642'	25	3500'				
SOUTH EUNICE UNIT NO. 50	INJ	3508'-3799'	8 5/8"	310'	300	CIRC	11-06-58	660' FSL & 660' FWL, SEC 28, T22S, R36E	3858'/3812'	12-14-58
			5 1/2"	3845'	400	NA				
SOUTH EUNICE UNIT NO. 49	OIL	3673'-3829'	8 5/8"	321'	250	NA	12-28-58	330' FSL & 1650' FWL, SEC 28, T22S, R36E	3907'/3838'	02-03-59
			5 1/2"	3898'	400	NA				
SOUTH EUNICE UNIT NO. 65	INJ	3649'-3799'	7 5/8"	400'	175	CIRC	01-06-74	660' FSL & 1980' FEL, SEC 28, T22S, R36E	3885'/3853'	01-26-74
			4 1/2"	3885'	210	2800'				
SOUTH EUNICE UNIT NO. 64	INJ	3611'-3758'	7 5/8"	417'	175	CIRC	01-17-74	660' FNL & 660' FEL, SEC 33, T22S, R36E	3860'/3830'	02-02-74
			4 1/2"	3860'	200	2750'				
SOUTH EUNICE UNIT NO. 53	OIL	3630'-3798'	8 5/8"	316'	225	CIRC	09-08-59	660' FNL & 1980' FEL, SEC 33, T22S, R36E	3920'/3900'	09-17-59
			4 1/2"	3920'	1800	CIRC				
LANGLEY ESMOND NO. 1	D&A	9425'-9461'	30"	35'	15	CIRC	09-16-81	660' FNL & 2310' FEL, SEC 33, T22S, R36E	15,865'/ 0'	09-10-82
		12,602'-788'	13 3/8"	1388'	1950	CIRC				
		15,090'-120'	9 5/8"	6295'	4500	2100'				
		15,473'-788'	7"	15,835'	3555	NA				
SOUTH EUNICE UNIT NO. 51	P&A	3642'-3762'	7 5/8"	374'	250	CIRC	02-17-59	660' FNL & 660' FWL, SEC 33, T22S, R36E	3811'/ 0'	03-08-59
			4 1/2"	3810'	1400	641'				
J. L. SELBY NO. 5	SI	3115'-3195'	7 5/8"	370'	275	CIRC	04-08-59	1980' FNL & 660' FWL, SEC 33, T22S, R36E	3800'/3580'	04-25-59
		3629'-3718'	4 1/2"	3800'	1400	1675'				

SOUTH EUNICE UNIT NOS. 52 & 58 AREA OF REVIEW

WELL	TYPE	PROD/INJ INTERVAL	CASING SIZE	CASING DEPTH	CEMENT SACKS	CEMENT TOC	DATE DRILLED	LOCATION	TD/PBTD	DATE OF COMPLETION
SOUTH EUNICE UNIT NO. 56	OIL	3634'-3760'	7 5/8"	381'	300	CIRC	04-27-58	1980' FNL & 1830' FWL, SEC 33, T22S, R36E	3800'/3775'	05-20-58
			4 1/2"	3800'	1400	CIRC				
SOUTH EUNICE UNIT NO. 55	INJ	3616'-3852'	8 5/8"	344'	250	CIRC	03-20-58	1980' FNL & 1980' FEL, SEC 33, T22S, R36E	4005'/3989'	10-07-58
			5 1/2"	4005'	2300	150'				
SOUTH EUNICE UNIT NO. 54	OIL	3518'-3754'	9 5/8"	315'	250	CIRC	08-07-57	1980' FNL & 660' FEL, SEC 33, T22S, R36E	3853'/3760'	10-27-57
			7"	3853'	1200	CIRC				
SOUTH EUNICE UNIT NO. 60	TA	3636'-3748'	8 5/8"	367'	350	CIRC	04-07-57	1980' FSL & 660' FEL, SEC 33, T22S, R36E	3851'/ 650'	05-16-57
			5 1/2"	3850'	760	775'				
SOUTH EUNICE UNIT NO. 59	OIL	3663'-3779'	8 5/8"	391'	300	CIRC	07-31-57	1980' FSL & 1980' FEL, SEC 33, T22S, R36E	3800'/3791'	08-24-57
			5 1/2"	3798'	1210	CIRC				
MEYER B-33 NO. 2	SI	3103'-3450'	7 5/8"	1302'	450	CIRC	08-26-48	1650' FSL & 1650' FEL, SEC 33, T22S, R36E	4089'/3450'	10-09-48
			5 1/2"	3103'	500	1575'				
SOUTH EUNICE UNIT NO. 57	TA	3563'-3764'	8 5/8"	381'	250	CIRC	10-20-59	1980' FSL & 660' FWL, SEC 33, T22S, R36E	3825'/3550'	11-25-59
			5 1/2"	3814'	900	2700'				
SOUTH EUNICE UNIT NO. 63	TA	3650'-3736'	8 5/8"	385'	350	CIRC	02-06-58	660' FSL & 1980' FWL, SEC 33, T22S, R36E	3775'/3605'	03-07-58
			5 1/2"	3774'	1050	CIRC				
SOUTH EUNICE UNIT NO. 62	SI	3658'-3778'	8 5/8"	382'	275	CIRC	09-24-57	660' FSL & 1980' FEL, SEC 33, T22S, R36E	3810'/3809'	10-23-57
			5 1/2"	3809'	1284	1375'				

South Eunice Unit No. 9, 32, 52 & 58
Proposed Convert to Injection

Proposed average and maximum daily rate: 200 BWPD/400 BWPD

System is closed

Proposed average and maximum injection pressure: 650 psi/750 psi

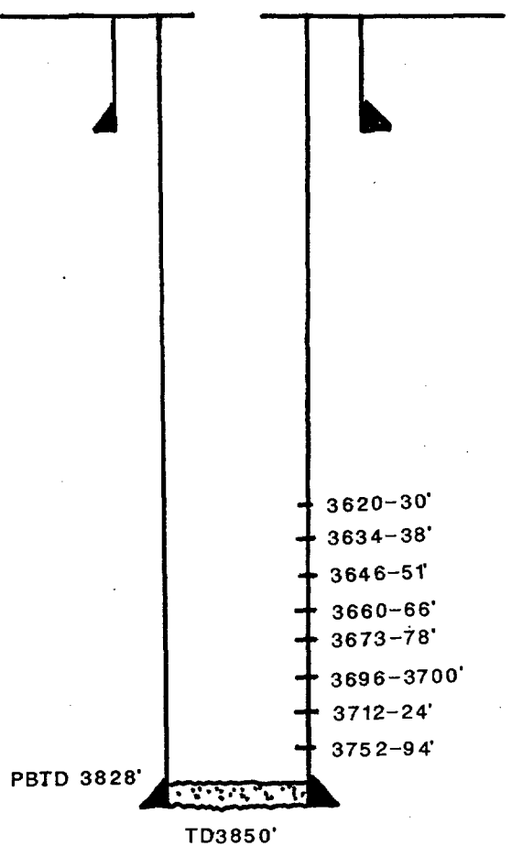
Geological data previously submitted. Subject wells are in the interior of the waterflood. Produced water will be used as injection water.

Proposed stimulation program: Will be furnished on an individual basis as procedures are approved.

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
CONOCO INC.	SOUTH EUNICE UNIT			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
9	2310' FNL & 1980' FWL	22	22S	36E

Schematic



Tabular Data

Surface Casing

Size 8 5/8" Cemented with 250 sx.

TOC CIRC feet determined by VISUAL

Hole size 12 1/4"

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 5 1/2" Cemented with 1000 sx.

TOC 1180 feet determined by TEMP SURVEY

Hole size 7 7/8"

Total depth 3850'

Injection interval

3620 feet to 3794 feet

(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with ~~INTERNALLY PLASTIC COATED~~ (material) set in a

BAKER AD-1 (brand and model) packer at 3575 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation EUNICE SEVEN RIVERS QUEEN SOUTH
2. Name of Field or Pool (if applicable) NMFU
3. Is this a new well drilled for injection? /_/ Yes /X/ No

   If no, for what purpose was the well originally drilled? ~~OIL PRODUCER~~
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)

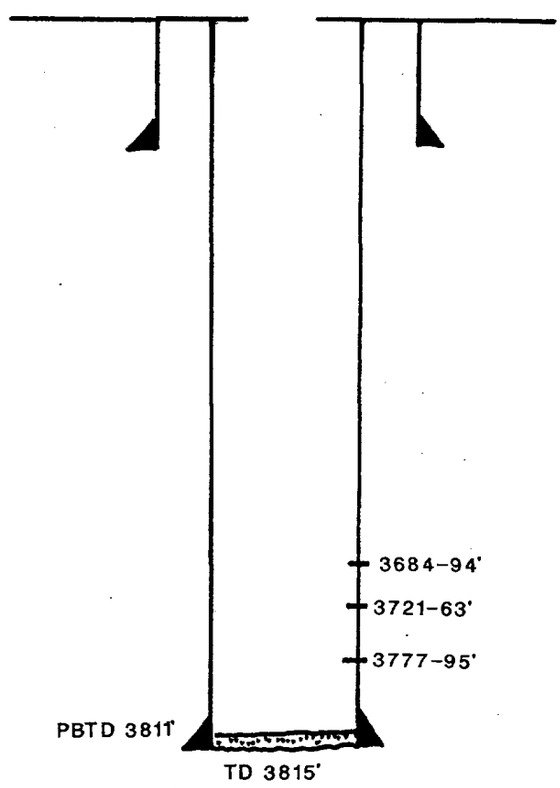
   NO
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

   JALMAT YATES (GAS) 3170'- 3411'

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
CONOCO INC.	SOUTH EUNICE UNIT			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
32	660' FSL & 660' FWL	21	22S	36E

Schematic



Tabular Data

Surface Casing

Size 8 5/8 " Cemented with 225 sx.

TOC CIRC feet determined by VISUAL

Hole size 12 1/4"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 5 1/2 " Cemented with 1020 sx.

TOC ~~562~~ feet determined by TEMP SURVEY

Hole size 7 7/8"

Total depth 3815'

Injection interval

3684 feet to 3795 feet

(perforated or open-hole, indicate which)

Tubing size 2 3/8 " lined with INTERNALLY PLASTIC COATED (material) set in a

BAKER AD-1 (brand and model) packer at 3600 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation EUNICE SEVEN RIVERS QUEEN SOUTH NMFU

2. Name of Field or Pool (if applicable) _____

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

If no, for what purpose was the well originally drilled? ~~OIL PRODUCER~~

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

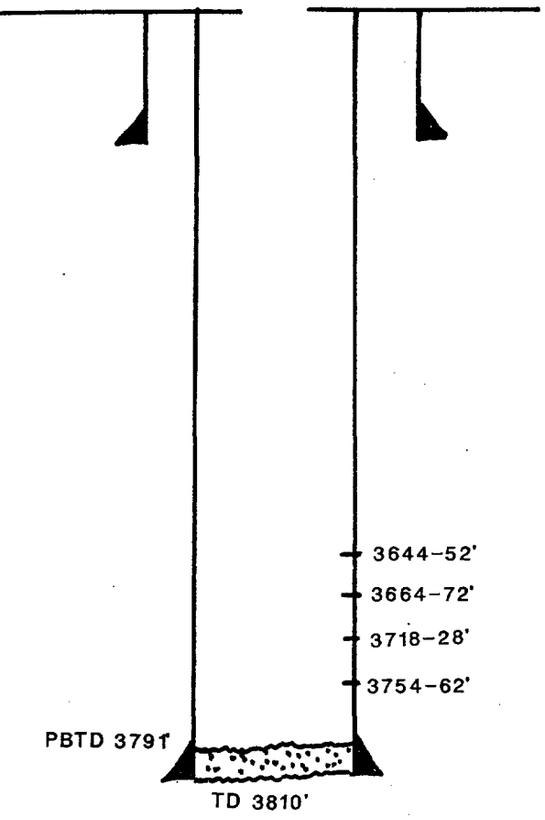
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

JALMAT YATES (GAS) 3130'-3370'

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
CONOCO INC	SOUTH EUNICE UNIT			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
52	660' FNL & 1980' FWL	33	22S	36E

Schematic



Tabular Data

Surface Casing

Size 7 5/8" Cemented with 225 sx.

TOC ~~CIRC~~ feet determined by ~~VISUAL~~

Hole size 11"

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4 1/2" Cemented with 1400 sx.

TOC CIRC feet determined by VISUAL

Hole size 6 3/4"

Total depth 3810'

Injection interval

3644 feet to 3762 feet

(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with INTERNALLY PLASTIC COATED (material) set in a

BAKER AD-1 (brand and model) packer at 3600 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation EUNICE SEVEN RIVERS QUEEN SOUTH

2. Name of Field or Pool (if applicable) NMEU

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

   If no, for what purpose was the well originally drilled? OIL PRODUCER

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

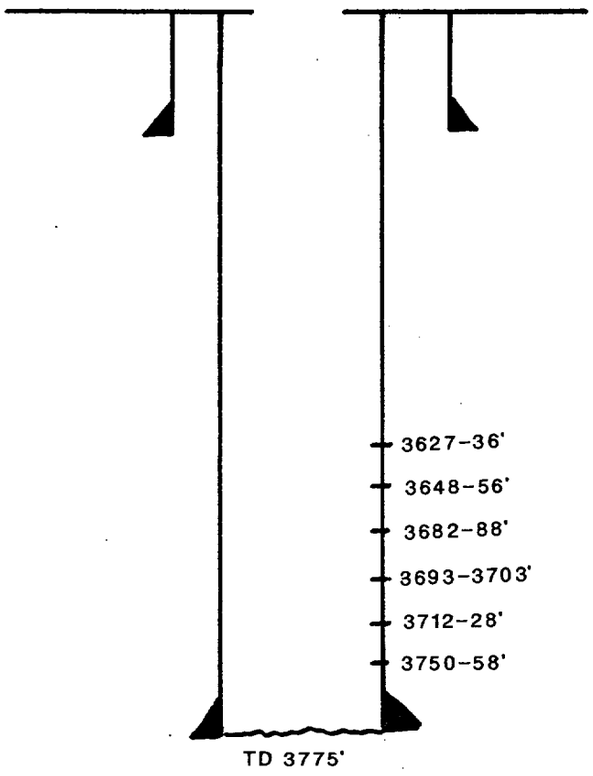
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

   JALMAT YATES (GAS) 3175'-3374'

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
CONOCO INC	SOUTH EUNICE UNIT			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
58	1980' FSL & 1980' FWL	33	22S	36E

Schematic



Tabular Data

Surface Casing

Size 8 5/8" Cemented with 300 sx.

TOC CIRC feet determined by VISUAL

Hole size 12 1/4"

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 5 1/2" Cemented with 1450 sx.

TOC CIRC feet determined by VISUAL

Hole size ~~7 7/8"~~

Total depth 3775'

Injection interval

~~3627~~ feet to ~~3758~~ feet

(~~perforated~~ or open-hole, indicate which)

Tubing size 2 3/8" lined with INTERNALLY PLASTIC COATED (material) set in a

BAKER AD-1 (brand and model) packer at 3550 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation EUNICE SEVEN RIVERS QUEEN SOUTH

2. Name of Field or Pool (if applicable) ~~NMFU~~

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

   If no, for what purpose was the well originally drilled? OIL PRODUCER

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.

   JALMAT YATES (GAS) 3109'-3340'

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I,_____

Mark C. Keeling

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

October 9, 19 87

and ending with the issue dated

October 9, 19 87

Mark C Keeling
Business Manager

Sworn and subscribed to before

me this 23 day of

October, 1987

Vera Murphy
Notary Public.

My Commission expires_____

Nov. 14, 1988
(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.

42

LEGAL NOTICE
October 9, 1987
CONVERT WELLS TO
WATER INJECTION WELLS

Conoco Inc., 726 E. Michigan, P.O. Box 460, Hobbs, New Mexico, Phone: 505/393-4141, Mr. R. E. Irelan, Division Manager of Production, intends for the purpose of secondary recovery, to convert the following wells in Lea County to water injection wells.

Well Name	Location	Depth	Formation
South Eunice Unit No. 9	2310' FNL & 1980' FWL, Sec. 22-22S-36E	3828'	Eunice Seven Rivers Queen
South Eunice Unit No. 32	660' FSL & 660' FWL, Sec. 33-22S-36E	3811'	Eunice Seven Rivers Queen South
South Eunice Unit No. 52	660' FNL & 1980' FWL, Sec. 33-22S-36E	3794'	Eunice Seven Rivers Queen
South Eunice Unit No. 58	1980' FSL & 1980' FWL, Sec. 33-22S-36E	3795'	Eunice Seven Rivers Queen

Operator plans to inject produced water at a rate of approximately 300 barrels per day with surface pressure of about 650 psi. Any objections to this intent or request for hearing must be filed with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days from the date of this publication.

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

11-10-87

GARREY CARRUTHERS
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:

Conoco Inc. South Eunice Unit 58-K 32-22-36
" 52-C 33-22-36
" 32-M 21-22-36
" 9-J 22-22-36

Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

P A WELLS DOES NOT LOOK GOOD
~~- Arco Lawsey Esmond #1~~
Conoco S. Eunice #6. 51

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed