

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: XX Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Devon Energy Corporation (Nevada)
ADDRESS: 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102-8260
CONTACT PARTY: E. L. Buttross PHONE: (405) 552-4509
- 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: XX Yes No
If yes, give the Division order number authorizing the project R-3469
- 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: E. L. Buttross, Jr. TITLE: District Engineer
SIGNATURE: E. L. Buttross, Jr. DATE: 11/24/98
- * 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. _____

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.

WFX 12/15/98

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

November 23, 1998

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 88505

Attention: Ben Stone

**RE: West Red Lake Unit # 1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78
Section 1, 4, 5, 6, 7, 8, 9-T18S-R27E
Eddy County, New Mexico**

Dear Mr. Stone:

Enclosed please find our Application for Authorization to Inject for each of the above captioned wells.

Devon Energy Corporation also requests that the maximum injection pressures for these wells be higher than .2 psi per foot of depth to the uppermost injection perforation. This request is based on the data in Table I which shows the frac gradients obtained from stimulation treatments to be higher. Figure I is a map showing the location of the proposed injectors.

In our previous application dated 8/12/97 for other injection wells in the West Red Lake Unit, we requested higher maximum injection pressures using the same type of data. Your administrative Order No. WFX-726 subsequently granted higher maximum injection pressures.

If you have any questions, please give me a call at 405-552-4509.

Sincerely,

E. Buttross

Ernie Buttross
District Engineer

enclosures

xc: State of New Mexico
Oil Conservation Division
Artesia, NM

AOR 142
12 27
PA
REAR 1
(85)

[Illegible handwritten notes]

TABLE I
INJECTION WELLHEAD PRESSURE GRADIENTS
WEST RED LAKE UNIT

PROPOSED INJECTOR	TREATMENT ISIP	TOP PERF	FRAC GRADIENT PSI/FT	WELLHEAD PRESSURE GRADIENT PSI/FT	
West Red Lake Unit #1	1300	1664	1.21	0.74	.7
West Red Lake Unit #3	1306	1596	1.25	0.78	.75
West Red Lake Unit #9	1200	1615	1.18	0.71	.65
West Red Lake Unit #12	1369	1775	1.20	0.73	.7
West Red Lake Unit #29	1211	2037	1.03	0.56	.5
West Red Lake Unit #37	1369	1535	1.33	0.86	.8
West Red Lake Unit #43	1300	1805	1.15	0.68	.65
West Red Lake Unit #45	1300	1723	1.19	0.72	.65
West Red Lake Unit #49	1370	1724	1.23	0.76	.7
West Red Lake Unit #61	1241	1812	1.12	0.65	.6
West Red Lake Unit #78	1283	1540	1.27	0.80	.75

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

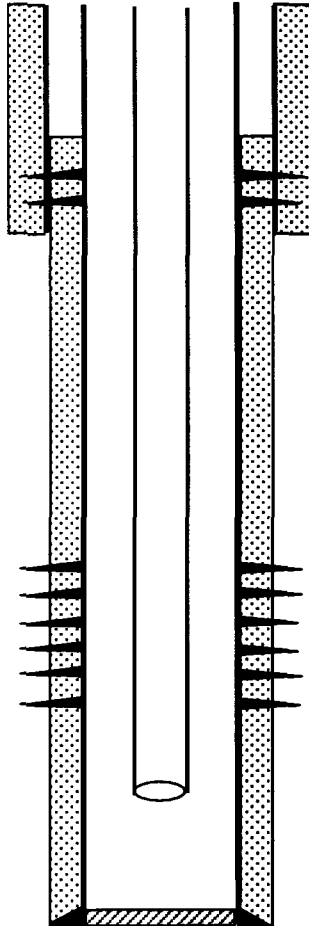
III Proposed Water Injection Well Data (tabular):

- A. (1) West Red Lake #1
810' FSL & 960' FWL "M"
Section 6-18S-27E
Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III - (schematic)
Surface: 8-5/8" 24# @ 1181' w/400 sxs cmt. TOC surface.
Production: 5-1/2" 14# set @ 1775' w/150 sxs cmt, TOC 975'.
(Also see schematic for any existing tubing and/or liner used)
- (3) Tubing will be 2-3/8" internally coated.
- (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1450'.
- B. (1) The injection formations will be the San Andres in the Red Lake (Q-GB-SA) Field.
- (2) The proposed injection interval will be approximately 1520'-1770'. The injection interval will be through new and existing perforations.
- (3) This well was originally drilled and completed as an oil well. It produced from the (Grayburg/ San Andres) formations.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic) for depths of other perforated intervals and detail on the sacks of cement.
- (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #1			FIELD: Red Lake			
LOCATION: 810' FSL & 960' FWL "M" of Sec. 6-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3385'			SPUD DATE: 5/5/57		COMP DATE: 5/20/57	
API#: 30-015-00802		PREPARED BY: T. Rutelonis			DATE: 5/19/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1181'	8-5/8"	24#	J-55		11"
CASING:	0' - 1775'	5 1/2"	14#	J-55		7-7/8"
CASING:						
TUBING:	0' - 1745'	2-7/8"	4.7#	J-55	8RD EUE	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

GRAYBURG PERFS: 1119'- 1128' (10 HOLES)

8-5/8" Casing, Set @ 1181' w/400 sxs cmt. TOC @ surface

SAN ANDRES PERFORATIONS:

1664'-1710' (144 HOLES)

1724'-1762' (21 HOLES)

2-7/8" Tbg @ 1745'.

PBTD @ 1762'.

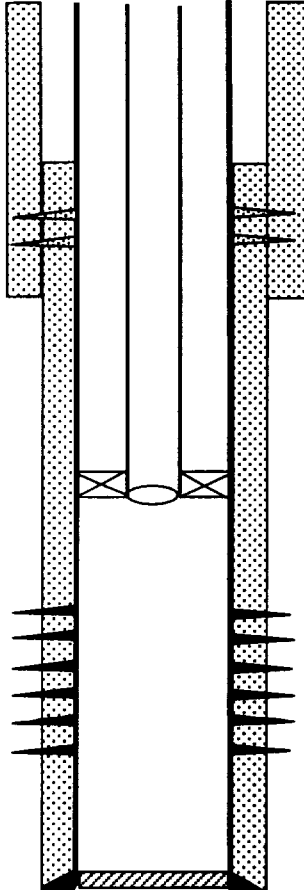
5 1/2" CASING SET @ 1775' W/150 SXS CMT . TOC 975'.

TD @ 1775'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #1			FIELD: Red Lake			
LOCATION: 810' FSL & 960' FWL "M" of Sec. 6-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3385'			SPUD DATE: 5/5/57		COMP DATE: 5/20/57	
API#: 30-015-00802		PREPARED BY: T. Rutelonis			DATE: 8/25/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1181'	8-5/8"	24#	J-55		11"
CASING:	0' - 1775'	5 1/2"	14#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1450'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1181' w/400 sxs cmt. TOC @ surface

GRAYBURG PERFS

1119' - 1128' (squeezed)

2-3/8" IPC tbg set w/ pkr @ +/- 1450'.

SAN ANDRES INJECTION INTERVAL

1520'-1770'

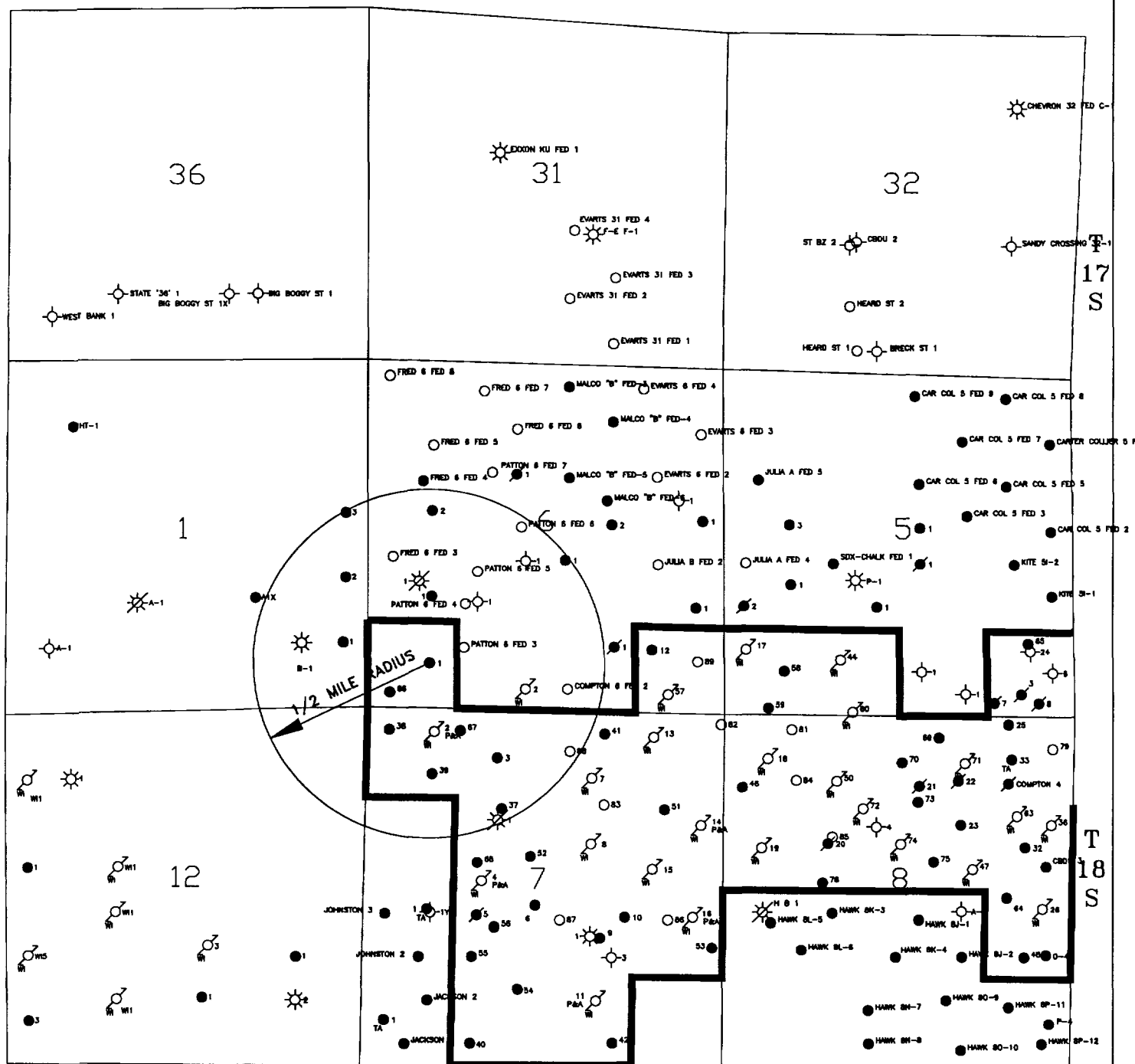
PBTD @ 1762'

5 1/2" CASING SET @ 1775' W/150 SXS CMT . TOC 975'.

TD @ 1775'

R 27 E

R 26 E



devon

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICOWEST RED LAKE UNIT #1
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5Scale in Feet
1000 0 1000 2000 3000 4000

EB

11/98

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

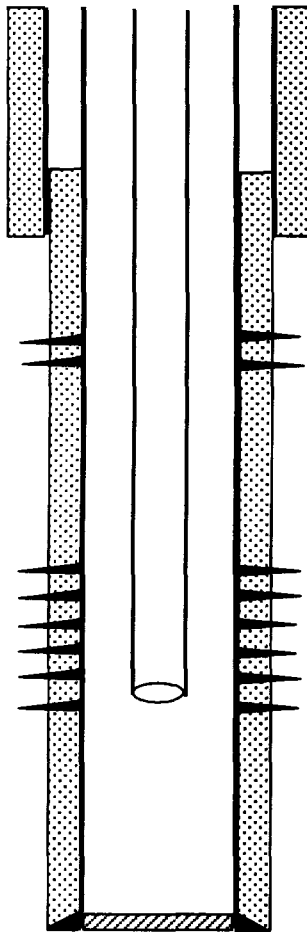
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #3
 660' FNL & 1980' FWL "C"
 Section 7-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 919' w/350 sxs cmt. TOC surface.
 Production: 5-1/2" 14# set @ 1801' w/225 sxs cmt, TOC 860'.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1500'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1588'-1784'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #3			FIELD: Red Lake			
LOCATION: 660' FNL & 1980' FWL "M" of Sec. 7-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3315'			SPUD DATE: 6/1/57		COMP DATE: 6/14/57	
API#: 30-015-00809		PREPARED BY: T. Rutelonis			DATE: 5/19/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 919'	8-5/8"	24#	J-55		11"
CASING:	0' - 1801'	5 1/2"	14#	J-55		7-7/8"
CASING:						
TUBING:	0' - 1775'	2-7/8"	4.7#	J-55	8RD EUE	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 919' w/350 sxs cmt. TOC @ surface

GRAYBURG PERFS: 1044'- 1054' (12 HOLES)

SAN ANDRES PERFORATIONS:

1596'-1602', 1617'-1631', 1648'-1664', 1705'-1709', 1772'-1784'

2-3/8" Tbg @ 1775'

PBTD @ 1791'

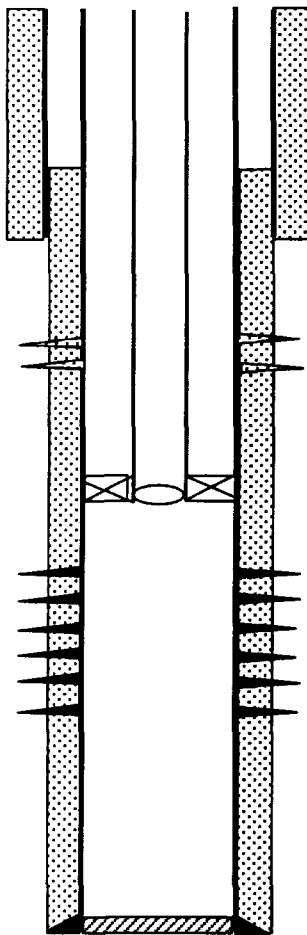
5 1/2" CASING SET @ 1801' W/225 SXS CMT . TOC 860'.

TD @ 1803'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #3			FIELD: Red Lake			
LOCATION: 660' FNL & 1980' FWL "M" of Sec. 7-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3315'			SPUD DATE: 6/1/57		COMP DATE: 6/14/57	
API#: 30-015-00809		PREPARED BY: T. Rutelonis			DATE: 8/31/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 919'	8-5/8"	24#	J-55		11"
CASING:	0' - 1801'	5 1/2"	14#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1500'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 919' w/350 sxs cmt. TOC @ surface

GRAYBURG PERFS:

1044'-1054' (squeezed)

2-3/8" IPC tbg set w/ pkr @ +/- 1500'

SAN ANDRES INJECTION INTERVAL:

1588'- 1784'

PBTD @ 1791'.

5 1/2" CASING SET @ 1801' W/225 SXS CMT . TOC 860'.

TD @ 1803'

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DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

III Proposed Water Injection Well Data (tabular):

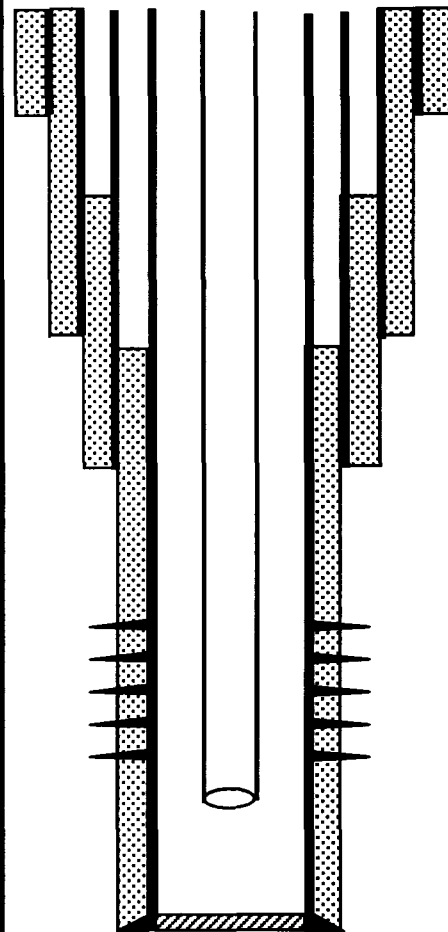
- A.**
- (1) West Red Lake #9
 2310' FSL & 2026' FEL "J"
 Section 7-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 10" surface casing, set @ 107' w/ 50 sx cmt, TOC @ surf.,
 8-5/8" set @ 836' w/ 160 sx cmt, TOC @ surf., 7" set @ 1151' w/ 80 sx
 cmt, TOC @ 398'.
 Production: 4-1/2" set @ 1737' w/ +/- 100 sx cmt, calc'd TOC @ 837'.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 4-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1475'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed injection interval will be approximately 1550'-1730'. The
 injection interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #9		FIELD: Red Lake	
LOCATION: 2310' FSL & 2026' FEL "J" Section 7-18S-27E		COUNTY: Eddy	STATE: NM
ELEVATION:		SPUD DATE: 12/22/47	COMP DATE: 3/8/48
API#: 30-015-00815	PREPARED BY: T. Rutelonis		DATE: 9/29/98

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 107'	10"	40#			
CASING:	0' - 836'	8-5/8"	28#			
CASING:	0' - 1151'	7"				
TUBING:	0' - 1713'	2-3/8"				
TUBING:						



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PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

10" casing set @ 107' w/ 50 sx cmt, TOC @ surf.

8-5/8" casing set @ 836' w/ 160 sx cmt, TOC @ surf.

7" casing set @ 1151' w/ 80 sx cmt, TOC @ 398'.

SAN ANDRES PERFORATIONS:

1615'-1676'

2-3/8" tubing set @ 1713'

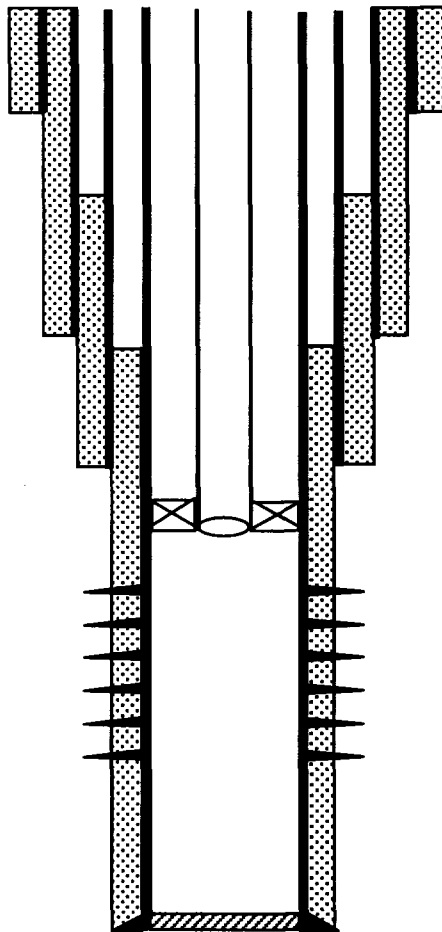
4-1/2" casing set @ 1737' w/ +/- 100 sx cmt, calc'd TOC @ 837'

TD @ 1760'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #9			FIELD: Red Lake			
LOCATION: 2310' FSL & 2026' FEL "J" Section 7-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION:			SPUD DATE: 12/22/47		COMP DATE: 3/8/48	
API#: 30-015-00815		PREPARED BY: T. Rutelonis			DATE: 9/29/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 107'	10"	40#			
CASING:	0' - 836'	8-5/8"	28#			
CASING:	0' - 1151'	7"				
TUBING:	0' - +/- 1475'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

10" casing set @ 107' w/ 50 sx cmt, TOC @ surf.

8-5/8" casing set @ 836' w/ 160 sx cmt, TOC @ surf.

7" casing set @ 1151' w/ 80 sx cmt, TOC @ 398'.

2-3/8" IPC tbg set w/ pkr @ +/- 1475'

SAN ANDRES INJECTION INTERVAL:

1550'-1730'

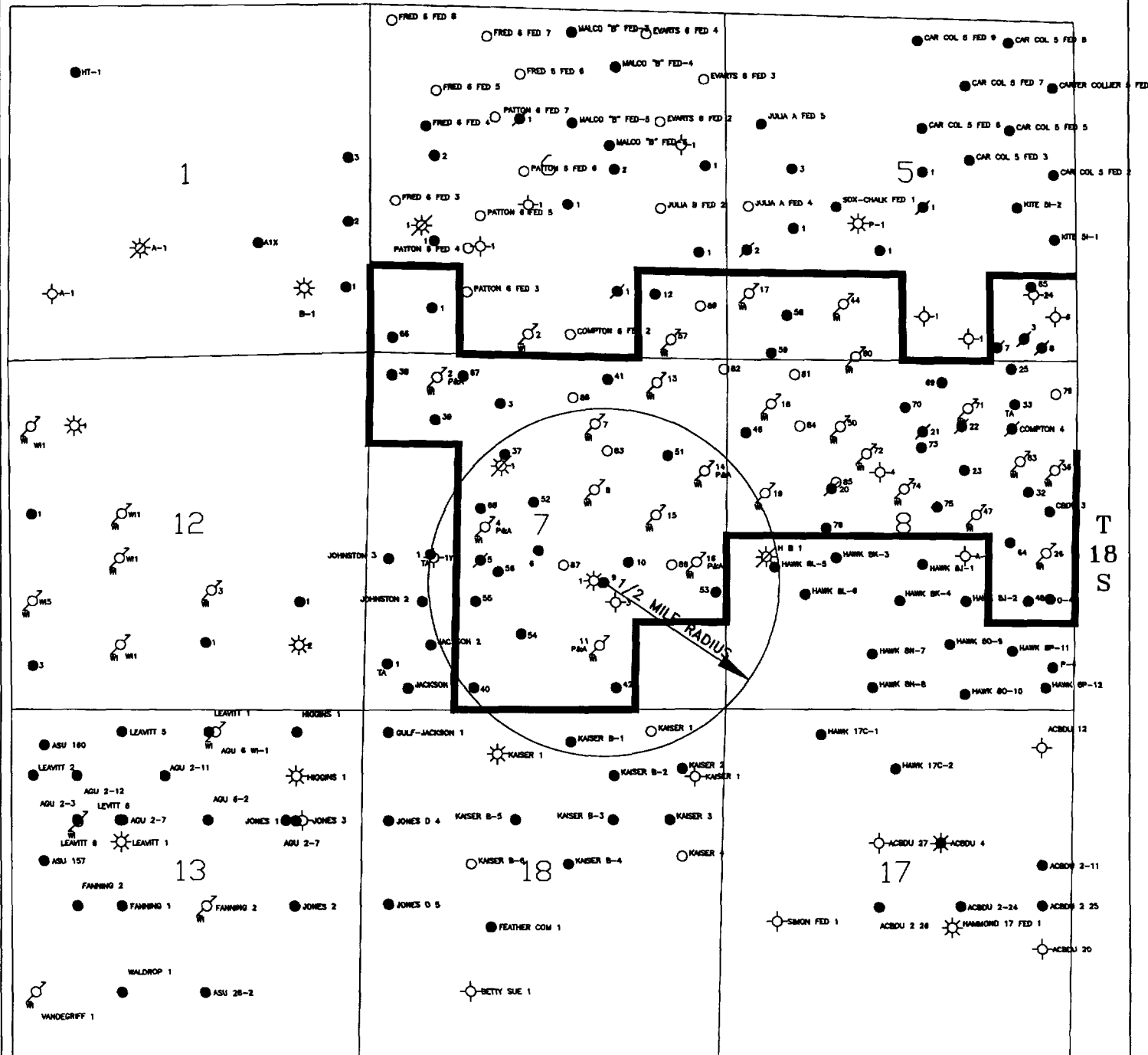
4-1/2' casing set @ 1737' w/ +/- 100 sx cmt, calc'd TOC @ 837'

TD @ 1760'

R 26 E

R 27 E

EWARTS 31 FED 1



devon

WEST RED LAKE AREA

EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #9 WELLS WITHIN 1/2 MILE RADIUS ATTACHMENT 5

Scale in Feet
1000 0 1000 2000 3000 4000

EB

11/98

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

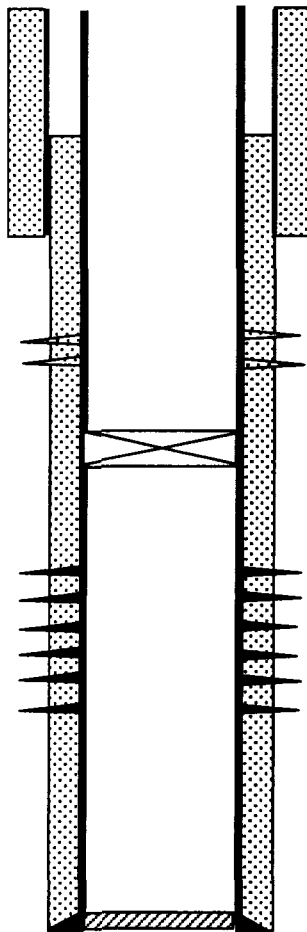
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #12
 990' FSL & 990' FEL "P"
 Section 6-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 7" @ 1152' w/ 270 sxs cmt. TOC surface.
 Production: 4-1/2" set @ 1851' w/ 112 sxs cmt, TOC 830'.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 4-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1675'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1740'-1850'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #12			FIELD: Red Lake			
LOCATION: 990' FSL & 990' FEL "P" of Sec. 6-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3447'			SPUD DATE:2/25/57		COMP DATE:3/12/57	
API#: 30-015-00794		PREPARED BY: T. Rutelonis			DATE: 5/19/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1152'	7"	20#	J-55		9 7/8"
CASING:	0' - 1851'	4 1/2"	11.6#	J-55		6 1/4"
CASING:						
TUBING:	0' - 1638'	2-3/8"	4.7#	J-55	8RD EUE	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

7" Casing, Set @ 1152' w/270 sxs cmt. TOC @ surface

PREMIER PERFS: 1192'- 1238' squeezed

CIBP @ 1705'

SAN ANDRES PERFORATIONS:

1784'-1815' (63 holes)

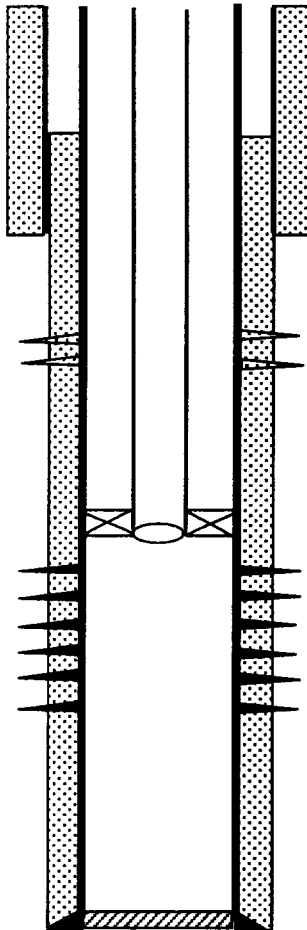
4 1/2" casing set @ 1851' W/ 112 sx cmt . TOC 830'.

TD @ 1851'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #12			FIELD: Red Lake			
LOCATION: 990' FSL & 990' FEL "P" of Sec. 6-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB			SPUD DATE:2/25/57		COMP DATE:3/12/57	
API#: 30-015-00794		PREPARED BY: T. Rutelonis			DATE: 8/31/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1152'	7"	20#	J-55		9 7/8"
CASING:	0' - 1851'	4 1/2"	11.6#	J-55		6 1/4"
CASING:						
TUBING:	0' - +/- 1675'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

7" Casing, Set @ 1152' w/ 270 sxs cmt. TOC @ surface

PREMIER PERFS: 1192'- 1238' squeezed

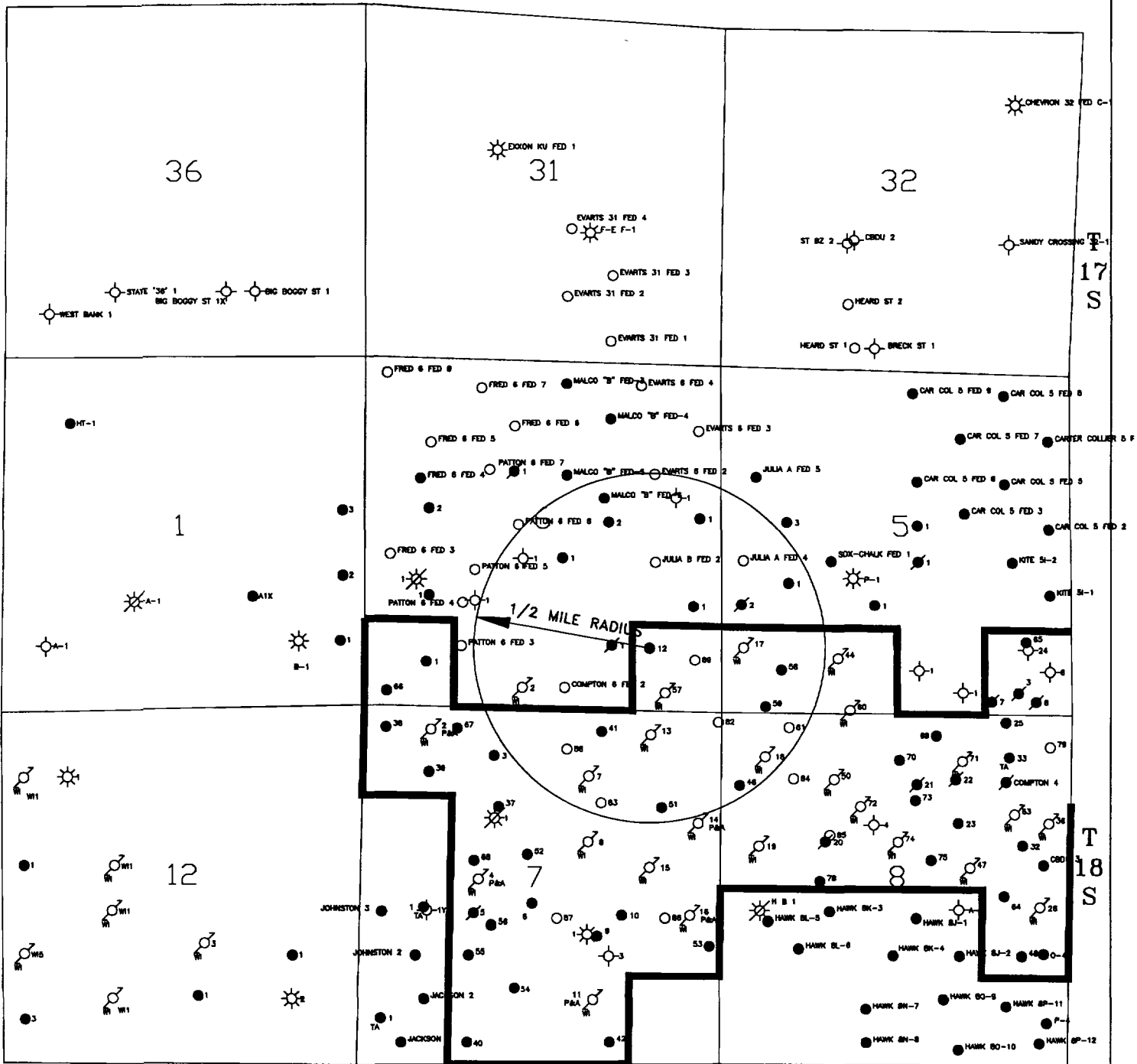
2-3/8" IPC tbg set w/ pkr @ +/- 1675'

SAN ANDRES INJECTION INTERVAL:
1740'-1850'

4 1/2" casing set @ 1851' w/ 112 sx cmt . TOC 830'.
TD @ 1851'

R 27 E

R 26 E



N

WRLINJ-12

devon

WEST RED LAKE AREA

EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #12
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

Scale in Feet
1000 0 1000 2000 3000 4000

EB

11/98

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

III Proposed Water Injection Well Data (tabular):

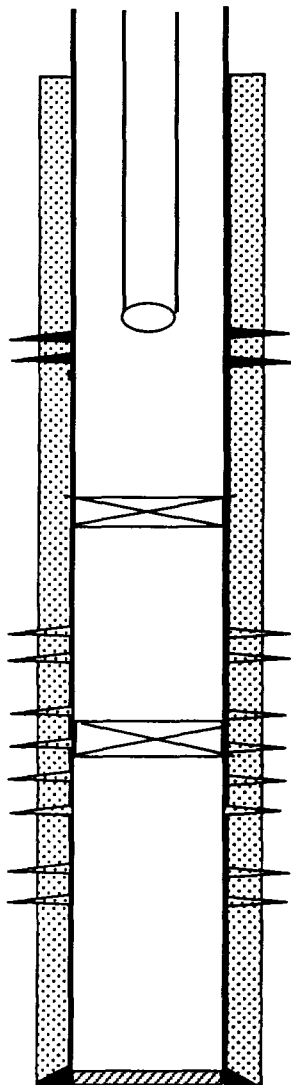
- A.**
- (1) West Red Lake #29
1592' FSL & 2302' FWL "K"
Section 4-18S-27E
Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
(schematic)
Production: 4-1/2" set @ 5618' w/ 850 sxs cmt, TOC 100'.
(Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
perforation.
 - (4) We will use a 4-1/2" x 2-3/8" plastic coated pkr to be set @ +/- 1900'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
SA) Field.
 - (2) The proposed interval will be approximately 1960'-2200'. The injection
interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #29		FIELD: Red Lake	
LOCATION: 1592' FSL & 2302' FWL "K" of Sec. 4-18S-27E		COUNTY: Eddy	STATE: NM
ELEVATION: KB 3598'		SPUD DATE: 4/3/61	COMP DATE: 4/26/61
API#: 30-015-00770	PREPARED BY: T. Rutelonis	DATE: 8/31/98	

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 5618'	4 1/2"	24#	J-55		
CASING:						
CASING:						
TUBING:	0' - 2023'	2-3/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

2-3/8" tbg 2023'

SAN ANDRES PERFORATIONS: 2037'- 2159'.

CIBP @ 2310'.

Glorietta Perfs: 2950'- 2951' squeezed.

Cement Retainer @ 5333'.

ABO Perfs: 5290'-5506' squeezed.

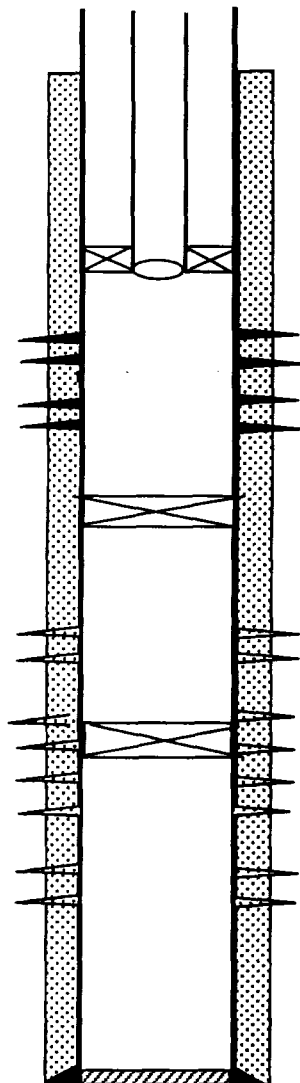
4-1/2" Casing, Set @ 5618' w/ 850 sxs cmt. TOC @ 100'.

TD @ 5620'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #29			FIELD: Red Lake			
LOCATION: 1592' FSL & 2302' FWL "K" of Sec. 4-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3598'			SPUD DATE:4/3/61		COMP DATE: 4/26/61	
API#: 30-015-00770		PREPARED BY: T. Rutelonis			DATE: 8/31/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 5618'	4 1/2"	24#	J-55		
CASING:						
CASING:						
TUBING:	0' - +/- 1900'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

2-3/8" IPC tbg set w/ pkr @ +/- 1900'

SAN ANDRES INJECTION INTERVAL:
1960'-2200'

CIBP @ 2310'.

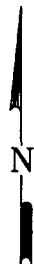
Glorietta Perfs: 2871'- 2900' squeezed.

Cement Retainer @ 5333'.

ABO Perfs: 5290'-5506'

4-1/2" Casing, Set @ 5618' w/850 sxs cmt. TOC @ 100'.
TD @ 5620'

WRLINJ-29

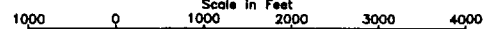


devon
FINE FURNITURE

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #29
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

Scale in Feet



23

1/98

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

III Proposed Water Injection Well Data (tabular):

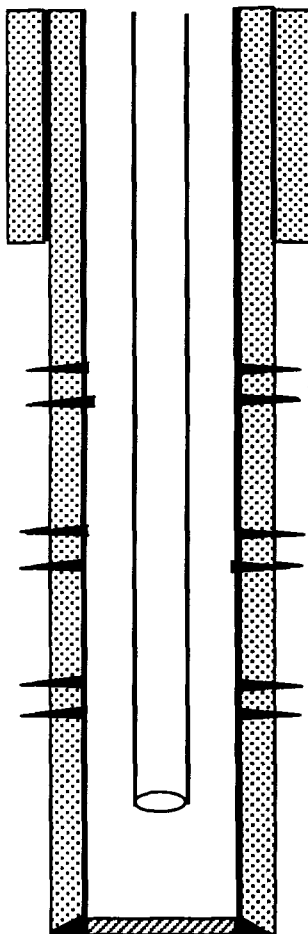
- A.**
- (1) West Red Lake #37
1490' FNL & 2050' FWL "F"
Section 7-18S-27E
Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
(schematic)
Surface: 8-5/8" 24# @ 899' w/625 sxs cmt. TOC surface.
Production: 5-1/2" 15.5# set @ 2449' w/435 sxs cmt, TOC surf.
(Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1450'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
SA) Field.
 - (2) The proposed interval will be approximately 1535'-1822'. The injection
interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #37		FIELD: Red Lake	
LOCATION: 1490' FNL & 2050' FWL "F" of Sec. 7-18S-27E		COUNTY: Eddy	STATE: NM
ELEVATION: KB 3298'		SPUD DATE: 8/26/93	COMP DATE: 1/21/94
API#: 30-015-27439	PREPARED BY: L. Williams		DATE: 5/19/98

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 899'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2449'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 1944'	2-7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 899' w/625 sxs cmt. TOC @ surface

SAN ANDRES PERFORATIONS:

1535'-1602' (A), 1621'-1686' (B), & 1720'-1750' (C)

2-7/8" Tbg @ 1944'.

PBTD @ 2394'.

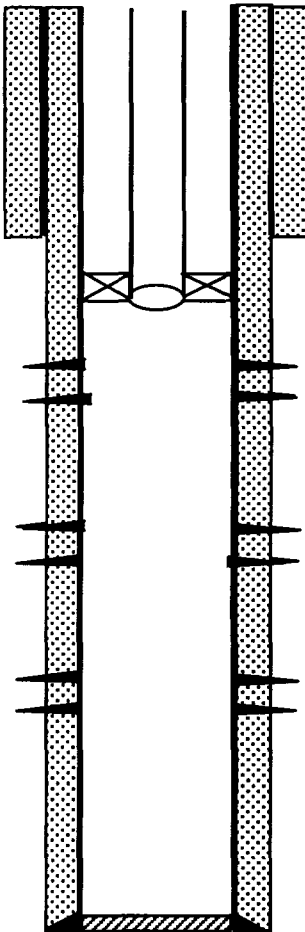
5 1/2" Casing set @ 2449' w/435 sxs cmt . TOC surface.

TD @ 2450'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #37			FIELD: Red Lake			
LOCATION: 1490' FNL & 2050' FWL "F" of Sec. 7-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: KB 3298'			SPUD DATE: 8/26/93		COMP DATE: 1/21/94	
API#: 30-015-27439		PREPARED BY: T. Rutelonis			DATE: 9/9/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 903'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2450'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1450'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 899' w/625 sxs cmt. TOC @ surface

2-3/8" IPC tbg set w/ pkr @ +/- 1450'

SAN ANDRES INJECTION INTERVAL:
1535'-1822'

PBTD @ 2394'.
5 1/2" Casing set @ 2449' w/435 sxs cmt . TOC surface.
TD @ 2450'

R 27 B EMBRYOS 31 FEB 1



WEST RED LAKE UNIT #37
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

Scale in Feet

1000 0 1000 2000 3000 4000

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

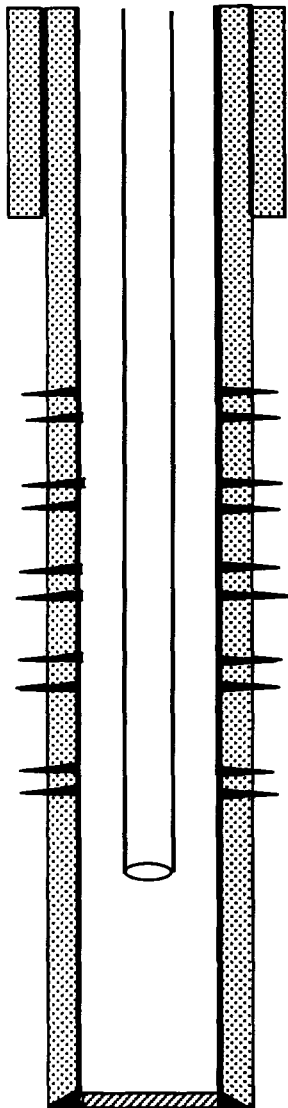
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #43
 680' FSL & 1650' FWL "N"
 Section 4-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 1199' w/600 sxs cmt. TOC surface.
 Production: 5-1/2" 15.5# @ 2299 w/400 sxs cmt, TOC @ 165'.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1725'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1805'-2194'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #43			FIELD: Red Lake			
LOCATION: 680' FSL & 1650' FWL "N" of Sec. 4-18S-27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL 3587'			SPUD DATE: 9/12/95		COMP DATE: 10/1/95	
API#: 30-015-28564		PREPARED BY: T.Rutelonis		DATE: 8/18/98		
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1199'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2299'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 2198'	2-7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1199' w/600 sxs cmt. TOC @ surface

SAN ANDRES PERFORATIONS:

1805'-2190'

2-7/8" Tbg @ 2198'

PBTD @ 2256'

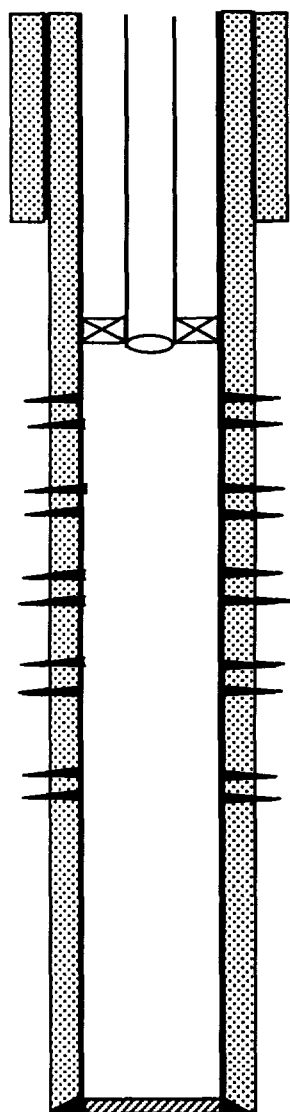
5 1/2" Casing set @ 2299' w/400 sxs cmt . TOC @ surface

TD @ 2300'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #43			FIELD: Red Lake			
LOCATION: 680' FSL & 1650' FWL "N" of Sec. 4-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3587'			SPUD DATE: 9/12/95		COMP DATE: 10/1/95	
API#: 30-015-28564		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1199'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2299'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1725'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1199' w/600 sxs cmt. TOC @ surface

2-3/8" IPC tbg set w/ pkr @ +/- 1725'

SAN ANDRES INJECTION INTERVAL:

1805'-2194'

PBT D @ 2256'

5 1/2" Casing set @ 2299' w/400 sxs cmt . TOC @ surface

TD @ 2300'

ATTACHMENT VI
WELLS OPERATED BY OTHERS

Well Name	Operator	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
ABO Chik Bifw Unit 1-4 30-015-00838	Vastar	C 990' FNL & 2310' FWL Section 9-18S-27E	1/1/68	8/31/68	Oil	5670'	8 5/8" @ 1499' w/700 sxs cnt. TOC calc. @ surface. 4 1/2" @ 5670' w/350 sxs cnt. TOC calc. @ 2236'. Treated 5365'-5498' w/9000 gals acid. IP: 24 BOPD w/FTP 175 PSI.
ABO Chik Bifw Unit 1-8 30-015-00840	Vastar	E 2310' FNL & 900' FEL Section 9-18S-27E	4/14/60	5/7/60	Oil	5666'	8 5/8" @ 1519' w/750 sxs cnt. TOC calc. @ surface. 4 1/2" @ 5665' w/800 sxs cnt. TOC calc. @ surface. Treated 5548'-5572' w/6000 gals acid. IP: 175 BOPD w/FTP 620 PSI.
Brainard #1 30-015-00777	Compton RD	O 330' FSL & 1650' FEL Section 5-18S-27E	9/27/38	6/21/39	D&A	2002'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
Brainard-Federal A 6 30-015-00784	Compton RD	P 660' FSL & 330' FEL Section 5-18S-27E	1/23/34	7/10/34	D&A	1931'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
Brainard-Hill #1 30-015-00792	Brainard & Guy	K 1650' FSL & 1650' FWL Section 6-18S-27E	8/16/40	1/14/41	D&A	1902'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
Choque AMX Federal #1 30-015-27521	Yates Petr. Corp.	O 660' FSL & 2310' FEL Section 5-18S-27E	7/30/93	8/15/95	P&A	3950'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
Empire ABO Unit #7 30-015-20141	ARCO	G 2300' FNL & 1642' FEL Section 9-18S-27E	5/9/68	5/29/68	Active Oil	3526'	8 5/8" @ 1520' w/700 sxs cnt. TOC @ surface. 4 1/2" @ 5709' w/300 sxs cnt. TOC calc. @ 2765'. Perf'd 5630'-5640' w/2000 gals acid.
Empire ABO Unit K #7 30-015-00776 (formerly RF Windohr- Federal #4)	ARCO	J 1582' FSL & 1645' FEL Section 4-18S-27E	10/19/59	11/11/59	Inactive oil	5675'	8 5/8" @ 1476' w/700 sxs cnt. TOC @ surface. 4 1/2" @ 5675' w/650 sxs cnt. TOC @ surface. Treated 5510'-5578' w/5000 gals acid. IP: 180 BOPD w/FTP 750 psi.

ATTACHMENT VI
WELLS OPERATED BY OTHERS

Well Name	Operator	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
Empire ABO Unit L #7	ARCO	O 330' FSL & 1638' FEL	9/17/59	10/8/59	Inactive Oil	5666'	8 5/8" @ 1482' w/650 sxs cmt. TOC @ surface. 4 1/2" @ 5666' w/750 sxs cmt. TOC @ surface. Treated 5540'-5620' w/5000 gals acid. IP: 174 BOPD w/FTP 390 psi.
(formerly RF Windohr- Federal #3)							
Empire ABO Unit L #8	ARCO	P 660' FSL & 660' FEL	2/25/59	3/26/59	P&A	5800'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
30-015-00773 (formerly RF Windohr- Federal #1)		Section 4-18S-27E					
Empire ABO Unit N #6	ARCO	F 1980' FNL & 1980' FWL	7/2/60	7/28/60	P&A'd	5703'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
30-015-00836		Section 9-18S-27E					
Empire L-5 (Simon Federal #1)	ARCO	M 330' FSL & 987' FWL	2/9/64	3/10/64	Inactive Oil	3553'	8 5/8" @ 1480' w/625 sxs cmt. TOC @ surface. 4 1/2" @ 5524' w/800 sxs cmt. TOC calc. @ surface. Perf'd 5428'-5443' acid w/5000 gals.
30-015-10058		Section 4-18S-27E					
Federal B-1	Mewbourne	P 990 FSL & 990 FEL	8/30/74	11/26/74	Gas	9248'	8 5/8" @ 1970' w/650 sxs cmt. TOC calc. @ 67'. 5 1/2" @ 9248' w/650 sxs cmt. TOC calc. @ 5515'. Treated 839'-9076' w/2600 gals acid, IP: 8131 MCFPD
30-015-21292		Section 1-18S-26E					
Kaiser #3 (Formerly Gilbert #3)	Weiler Drilling	J 1650' FSL & 1650' FEL	11/16/48	12/22/48	D&A	1626'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
30-015-00816		Section 7-18S-27E					
Hondo B Federal Gas Com #1	Amoco Prod. Co.	L 2310' FSL & 660' FWL	11/8/74	12/5/85	P&A'd	9418'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO
30-15-21114		Section 8-18S-27E					
J Empire-Federal #1 35-015-00167	Mack Energy	P 990 FSL & 365 FEL	10/12/57	11/11/57	Oil	1782'	8 5/8" @ 870' w/300 sxs cmt. TOC calc. @ surface. 5 1/2" @ 1775' w/150 sxs cmt. TOC calc. @ 975'. Treated 1661'-1734' w/25,000 gals Frac. IP: 72 BOPD w/FTP 50 PSI.
		Section 1-18S-26E					

ATTACHMENT VI
WELLS OPERATED BY OTHERS

Well Name	Operator	Location	Spud Date	Completion Date	Type of Well	Depth/BTD	Completion Record
J Empire-Federal #2 30-015-00168	Mack Energy	1 1980 FSL & 330 FEL Section 1-18S-26E	1/11/59	2/7/59	Oil	1835	8 5/8" @ 893' w/330 sxs cmt. TOC calc. @ 154'. 5 1/2" @ 1831' w/205 sxs cmt. TOC calc. @ 269'. Treated 1688'-1762' w/500 gals Acid & 17,000 gals Frac. IP: 48 BOPD w/FTP 200 PSI
J Empire-Federal #3 30-015-00169	Mack Energy	H 2301 FNL & 330 FEL Section 1-18S-26E	1/20/59	3/11/59	Oil	1864	Treated 1810'-1814' w/100 gals Acid
Julia "A" Federal #2 (Brainard #3) 30-015-00780	Breck Oper. Co. (Compton RD)	P 332' FSL & 810' FEL Section 5-18S-27E	7/4/30	10/2/30	Oil	1260'	13-3/8" @ 100' w/ 50 sxs cmt. TOC calc. @ 33'. 9 5/8" @ 958' w/430 sxs cmt. TOC calc. @ surface. 5 1/2" @ 1850' w/ 200 sxs cmt. TOC calc. @ 783'. Treated 1678'-1772' w/60,000 gals Frac. IP: 38 BOPD w/FTP 230 PSI.
Malco-Federal B #1 30-015-00795	Mack Energy	J 2310 FSL & 2310 FEL Section 6-18S-27E	8/28/58	9/17/58	Oil	1824	7 5/8" @ 1265' w/1315 sxs cmt. TOC calc. @ surface. 4 1/2" @ 1824' w/75 sxs cmt. TOC calc. @ 1089'. Treated 1775'-1806' w/10,000 gals Frac. IP: 50 BOPD w/FTP 150 PSI
Malco-Federal B #2 30-015-00796	ARCO	G 2310' FNL & 1650' FEL Section 6-18S-27E	11/18/60	1/10/61	Oil	2052'	5 1/2" @ 2052' w/375 sxs cmt. TOC @ surface. IP: 25 BOPD. Treated 1856'-2002' w/30,000 gals frac.
Malco-Federal #3 30-015-00842	ARCO	A 660' FNL & 660' FEL Section 9-18S-27E	3/29/59	4/28/59	Oil	5797'	8 5/8" @ 1491' w/750 sxs cmt. TOC calc. @ surface. 5 1/2" @ 5797' w/650 sxs cmt. TOC calc. @ 2330'. Treatment 5662'-5688' w/2000 gals acid. IP: 95 BOPD w/FTP 810 PSI.
Malco-Federal #10 30-015-00846	Vastar	G 1980' FNL & 1980' FEL Section 9-18S-27E	8/14/59	9/10/59	Oil	5700'	8 5/8" @ 1483' w/700 sxs cmt. TOC calc. @ surface. 4 1/2" @ 5700' w/700 sxs cmt. TOC calc. @ surface. Treatment 5500'-5594' w/5000 gals acid. IP: 86 BOPD w/FTP 120 PSI.
Malco-Federal #11 30-015-00847	ARCO	B 986' FNL & 1645' FEL Section 9-18S-27E	9/10/59	10/3/59	Oil	5670'	8 5/8" @ 1490' w/700 sxs cmt. TOC calc. @ surface. 4 1/2" @ 5670' w/650 sxs cmt. TOC calc. @ surface. Treatment 5504'-5602' w/3000 gals acid. IP: 82 BOPD w/FTP 695 PSI.
Mann #6 30-015-00765	Compton RD	G 1620' FNL & 2340' FEL Section 4-18S-27E	3/14/35	11/5/35	D&A	1420'	SEE DOWNHOLE SCHEMATIC FOR P&A'd WELLS FOR WELL INFO

ATTACHMENT VI
WELLS OPERATED BY OTHERS

Well Name	Operator	Location	Spud Date	Completion Date	Type of Well	Depth/BTD	Completion Record
Peterson Com #1	Mewbourne Oil	J	8/18/73	10/8/73	Gas	9385'	16" @ 200' w/250 sxs cmt. TOC @ surface. 11 3/4" @ 900' w/540 sxs cmt. TOC @ surface.
		1980 FSL & 1980' FEL Section 7-18S-27E					8 5/8" @ 1971' w/475 sxs cmt. TOC @ surface. 4 1/2" @ 9385' w/325 sxs cmt. TOC @ 7860' (temp svy). Perf'd 9142'-9251'.
Red Lake Federal Com. #1	Exxon	L	11/7/75	12/20/75	P&A	9360'	SEE DOWNHOLE SCHEMATIC FOR P&A'D WELLS FOR WELL INFO
30-015-21654		1980 FSL & 810 FWL Section 6-18S-27E					
Simon Julian E #4	J.E. Simon	A	5/21/49	6/13/49	Oil	1226'	7" @ 1078' w/75 sxs cmt. TOC calc @ 820' (calc). 1085'-1225' open hole.
30-015-00829 (or Pitcher Fed. #4)		990' FNL & 990' FEL Section 8-18S-27E		8/28/51	P&A		SEE DOWNHOLE SCHEMATIC FOR P&A'D WELL FOR WELL INFO
Smith Etal #1	Welch-Compton	K	6/7/34	8/1/34	D&A	1225'	SEE DOWNHOLE SCHEMATIC FOR P&A'D WELLS FOR WELL INFO
30-015-00830		2970 FNL & 2970 FEL Section 6-18S-27E					
Sterling Com #1	ARCO	F	5/20/75	7/2/75	Gas	9350'/9289'	13 3/8" @ 800' w/630 sxs cmt. TOC @ surface. 8 5/8" @ 1900' w/710 sxs cmt. TOC @ surface. 5 1/2" @ 9350' w/850 sxs cmt. TOC @ 2700' (temp svy). Perf'd 9032'-9174'. Perf'd 9150'-9160'. Set RBP @ 8900'. Perf'd 8770'-8773' & 8775'-8777'. Milled & pushed RBP to 9170'. Coring/ing Penn & Atoka Gas. Plugged & abandoned 10/22/87 (see diagram).
		1650' FNL & 1980' FWL Section 7-18S-27E					
				3/15/77			
				1/3/78			
				3/11/79			
				3/30/80	P&A		
Vandergriff #4	JE Simon	F	4/7/49	5/11/49	D&A	1215'	SEE DOWNHOLE SCHEMATIC FOR P&A'D WELLS FOR WELL INFO
30-015-00831		1650' FNL & 2310' FWL Section 8-18S-27E					

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/BTD	Completion Record
West Red Lake	M	5/5/57	5/20/57	Oil	1775/1762'	8 5/8" 24# J-55 @ 1181' w/400 sxs cntl. TOC @ surface. 5 1/2" 14# @ 1775' w/150 sxs cntl. TOC @ 975'. Perfd 1664'-1710'.
Unit #1 30-015-00802 (formerly Sterling #1)	Section 6-18S-27E		3/12/70	Oil		Perfd 1119'-1128' & 1724'-1762'.
West Red Lake	D	5/21/57	6/2/57	Oil	1801'/1748'	8 5/8" 24# J-55 @ 928' w/350 sxs cntl. TOC @ surface. 5 1/2" 14# @ 1800' w/200 sxs cntl. TOC @ 894'.
Unit #2 30-015-00808 (formerly Honda #2)	330' FNL & 990' FNL Section 7-18S-27E		3/6/70	WIW		Perfd 1616'-1622', 1688'-1692', & 1695'-1705'. Perfd 1644'-1648', 1656'-1660', 1664'-1666', 1668'-1671' & 1036'-1044'. Converted to dual WIW 3/6/70.
			3/23/80	P&A		Plugged & abandoned 3/23/80 (see wellbore diagram).
West Red Lake	C	6/1/57	6/14/57	Oil	1803'/1767'	8 5/8" 24# @ 919' w/350 sxs cntl. TOC @ surface. 5 1/2" 14# @ 1801' w/225 sxs cntl. TOC @ surface. Perfd 1596'-1602', 1616'-1631', 1648'-1664', & 1705'-1709'. Perfd 1044'-1047' & 1051'-1054'. Perfd 1772'-1784'.
Unit #3 30-015-00809 (formerly Sterling #3)	660' FNL & 1980' FNL Section 7-18S-27E		3/2/70	Oil		
			3/16/92	Oil	1803'/1796'	
West Red Lake	F	6/25/57	7/8/57	Oil	1776'/1766'	8 5/8" 24# @ 874' w/360 sxs cntl. TOC @ surface. 5 1/2" 14# @ 1774' w/250 sxs cntl. TOC @ 370' (temp sy). Perfd 1724'-1734'.
Unit #4 30-015-00810	2540' FNL & 1650' FNL Section 7-18S-27E		7/16/57	Oil		Squeezed perfs 1724'-1734'. Perfd 998'-1012'. Perfd 1578'-93', 1607'-23', 1629'-35', 1638'-46', 1655'-59', 1664'-67', & 1670'-76'. Perfd 1030'-34'. Converted to WIW 9/23/68.
			9/23/68	WIW	1775'/1703'	Plugged & abandoned 3/18/80 (see wellbore diagram).
			3/18/80	P&A		
West Red Lake	K					
Unit #5 30-015-00813	2280' FSL & 1710' FNL Section 7-18S-27E	7/29/57	8/17/57	Oil	1765'	7" @ 879' cntld w/ 175 sx \
			12/17/70	P&A		4-1/2" @ 1765' cntld w/ 105 sx. TOC calcd @ 1200'. Perfd 1000'-06'.
West Red Lake	K	5/1/48	5/27/48	Oil	1676'	Plugged & abandoned 12/17/70 (see wellbore diagram). 9 5/8" CSG @ 163' w/150 sxs TOC @ 163'. 7" @ 1105' w/100 sxs cntl. TOC @ 537' (calc). Open hole completion. Shot 1570'-1620'. Perfd @ 1350'-1351' and squeezed.
Unit #6 30-015-00818 (formerly Gilbert 1X & 1Y)	2460' FSL & 2580' FNL Section 7-18S-27E		2/7/57	Oil	1776'	4 1/2" x 7" annulus w/150 sxs. cntld 30 sx to surface. Perfd 1582'-1592', 1640'-1658', & 1686'-1691'. Perfd 998'-1007' & 1582'-1754'. CIRP @ 1500'. Cntl squeezed perfs @ 998'-1007'. Perfd & squeezed 750'-751'.
			3/10/70		1776'/1736'	
			11/7/96	TA	1776'/1771'	

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PATD	Completion Record
West Red Lake Unit #7 30-015-00805 (formerly Vandagriff #2)	B 990' FSL & 1980' FEL Section 7-18S-27E	7/30/58	10/1/58	Oil	1825/1821'	8 5/8" @ 680' w/150 sxs cntl. TOC @ surface. 7" @ 928' w/292 sxs cntl. TOC @ 282' (lamp svy). 4 1/2" @ 1824' w/75 sxs cntl. TOC @ 870' (Cemnton). Perfd 1714'-1784'. Perfd 1103'-1115' (squeezed w/ 100 sx).
West Red Lake Unit #8 30-015-00806 (formerly Gant Fed #1)	G 1980' FNL & 1980' FEL Section 7-18S-27E	6/12/57	6/24/57	Oil	1793/1782'	8 5/8" 24# @ 979' w/460 sxs cntl. TOC @ surface. 5 1/2" 14# @ 1797' w/225 sxs cntl. TOC @ 798' (lamp svy). Perfd 1084'-1098' (squeezed). Perfd 1610'-1764'. Perfd 1084'-1098'.
West Red Lake Unit #9 30-015-00815 (formerly Kaiser #2)	J 2310' FSL & 2026' FEL Section 7-18S-27E	12/22/47	3/16/48	Oil	1662'	Add perfs 1609'-1780' & converted to MW 10/23/96. 10" 40# @ 107' w/50 sxs cntl. TOC @ surface. 8 5/8" 28# @ 836' w/160 sxs cntl. TOC @ surface. 7" 20# @ 1151' w/80 sxs cntl. TOC @ 398' (calc). Open hole 1151'-1662'. 4" @ 1737' w/astd 120 sxs cntl. TOC @ 657' (calc). Perfd 1615'-1676'.
West Red Lake Unit #10 30-015-00812 (formerly Kaiser #1)	J 2310' FSL & 1650' FEL Section 7-18S-27E	11/7/32	11/24/32	Oil	1770'	7" 20# @ 876' w/astd 225 sxs cntl. TOC @ surface (calc). Open hole completion 876'-1670'. 4 1/2" 9.5# @ 1750' w/210 sxs cntl. TOC @ surface. Perfd 1602'-1824'. Perfd 1642'-1674'. Perfd 1034'-1047'. Squeezed perfs after testing.
West Red Lake Unit #11 30-015-00817	O 990' FSL & 1890' FEL Section 7-18S-27E	12/3/57	12/18/57	Oil	1775'	7" 20# @ 863' w/225 sxs cntl. TOC @ surface. 4 1/2" @ 1772' w/115 sxs cntl. TOC @ 695' (lamp svy). Perfd 1642'-1737'. Perfd 1038'-1047'. Converted to dual MW. Plugged and abandoned 3/18/80. (see wellbore diagram).
West Red Lake Unit #12 30-015-00794 (formerly Malco Fed. A#1)	P 990' FSL & 990' FEL Section 8-18S-27E	2/25/57	3/12/57	Oil	1850'	7" @ 1150' w/380 sxs cntl. TOC calc @ surface. 4 1/2" @ 1850' w/400 sxs cntl. TOC calc @ surface. Perfd & fraced 1784'-1815'. Perfd & squeezed 1192'-1238'.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #13 30-015-00804 (formerly Vandagriff #3)	A 330' FNL & 990' FEL Section 7-18S-27E	3/11/57	4/10/57	Oil	1826' 1807'	7" 10 & 2 3/4" @ 1205' w/200 sxs cmt. TOC @ surface. 4 1/2" 9.5 # & 1 1/4" @ 1826' w/120 sxs cmt. TOC @ 710' (temp svy). Perfd 1716'-1760'. Perfd 1129'-1174'. Converted to WIW. Replaced 526' of 4 1/2" in 7/94
West Red Lake Unit #14 30-015-00803	H 1650' FNL & 330' FEL Section 7-18S-27E	11/7/52	11/1/52	Oil	1750' 1747'	7" 20 # @ 1011' w/75 sxs cmt. TOC @ surface. 4 1/2" 9.5 # @ 1751' w/80 sxs cmt. TOC @ 972' (CBL). Open hole 1664'-1720'. Perfd 959'-980'. Perfd 1057'-1096'. Converted to WIW. Plugged & abandoned 314/80. (see wellbore diagram).
West Red Lake Unit #15 30-015-10174 (formerly Vandagriff-Fed #1)	H 2310' FNL & 990' FEL Section 7-18S-27E	10/17/62	12/15/62	Oil	1770' 1737'	8 5/8" @ 28'. 4 1/2" 9.5 # J-55 @ 1770' w/530 sxs cmt. TOC @ surface. Perfd 1628'-1720'. Perfd 1044'-1064' (squeezed w/ 150 sx). Add perfs 1584'-1720' & converted to WIW 4/98. 8 5/8" 2 1/4" @ 925' w/300 sxs cmt. TOC @ surface. 5 1/2" 1 1/4" @ 1820' w/225 sxs cmt. TOC @ 830'. Perfd 1683'-1774'. Perfd 1090'-1124'. Squeezed perfs 1683'-1774' w/retainer @ 1511'. Reset retainer @ 891' & squeezed perfs 1090'-1124'. Perfd squeeze holes @ 493' & squeezed in 5 1/2" X 8 5/8" annulus. Spotted cmt plug 493' to surface. Plugged & abandoned 312/80. (see wellbore diagram).
West Red Lake Unit #16 30-015-00807 (formerly Gant Federal #2)	I 2240' FSL & 400' FEL Section 7-18S-27E	6/17/57	7/30/57	WIW	1825'	8 5/8" 2 1/4" @ 925' w/300 sxs cmt. TOC @ surface. 5 1/2" 1 1/4" @ 1820' w/225 sxs cmt. TOC @ 830'. Perfd 1683'-1774'. Perfd 1090'-1124'. Squeezed perfs 1683'-1774' w/retainer @ 1511'. Reset retainer @ 891' & squeezed perfs 1090'-1124'. Perfd squeeze holes @ 493' & squeezed in 5 1/2" X 8 5/8" annulus. Spotted cmt plug 493' to surface. Plugged & abandoned 312/80. (see wellbore diagram).
West Red Lake Unit #17 30-015-00788	M 990' FSL & 330' FNL Section 5-18S-27E	11/16/55	2/4/56	WIW	1856'	13 3/8" @ 30' 5 1/2" 1 1/4" J-55 @ 1856' w/200 sxs cmt. TOC calc @ 600'. Perfd 1182'-1192' GB & 1618'-1644' SA. Tbg & pkr @ 1112.89'. 4 10.46# J-55 liner @ 1570' cmt'd w/ 100 sx cmt. TOC @ surface.
West Red Lake Unit #18 30-015-00828 (formerly Saiten Federal #1)	D 660' FNL & 660' FNL Section 8-18S-27E	6/14/44	11/9/44	TA	1976' 1735'	8 5/8" @ 978' w/100 sxs cmt. TOC @ 658' (calc). 7" @ 1146' w/100 sxs cmt. TOC @ surface (calc). Open hole completion 1146'-1735' (1324'-1325' squeezed). Set pump & started pumping. Pulled 376' of 7" csq. Rth & screwed on 12 lbs (382) 7" 23# csq. Cleaned out & ran 4-1/2" 10.5# csq set @ 1983'. cemented to surface. Perfd 1690'-1908' and converted to WIW 10/17/97.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #19 30-015-00826 (formerly Gant A #1)	E 1980' FNL & 660' FWL Section 8-18S-27E	7/7/57	7/16/57	Oil	1768/1767'	8 5/8" 24# J-55 @ 918' w/325 sxs cmt. TOC @ surface. 5 1/2" 14# J-55 @ 1767' w/225 sxs cmt. TOC @ 618' (temp svl). Perfd 1615-1748'. Perfd 1079-1089'. (1081'-1086' squeezed) Add perfs 1618-1748' and convert to WIV 3/6/98. 8 5/8" @ 925' w/300 sxs cmt. TOC @ surface (calc). 5 1/2" @ 1794' w/225 sxs cmt. TOC @ 80' (calc). Perfd 1683-1779'. Cmt retainer @ 1629'. Cmt plug 536'-967' & surface - 500'. Plugged & abandoned 10/15/85. (see wellbore diagram).
West Red Lake Unit #20 30-015-00827 (formerly Gant A #2)	F 1930' FNL & 1650' FWL Section 8-18S-27E	9/1/57	9/21/57	Oil	1794'	Plugged & abandoned 10/12/85 (see wellbore diagram).
West Red Lake Unit #21 30-015-01204 (formerly Pletcher #5)	B 990' FNL & 2310' FEL Section 8-18S-27E	2/1/54	3/17/54 12/4/62	TA Oil	1170' 3005'	7" 20# @ 1041' w/50 sxs cmt. TOC @ 564' (calc). 4 1/2" 9.5# @ 2875' w/150 sxs cmt. TOC @ 493' (temp svl). Perfd 1761'-1898' & 2668'-2685'. Perfd 2849-2855'. (May have been squeezed) PBTD reported @ 1898' before plugging. Cmt retainer @ 1699' squeezed perfs 1761'-1898' & 60' cmt on top of cmt ret. Spotted cmt fr 1090'-535'. Perfd squeeze holes @ 520'. cmt'd 4 1/2" x 7' annulus & 4 1/2" csq from 320' - surface. Plugged & abandoned 10/12/85 (see wellbore diagram).
West Red Lake Unit #22 30-015-00832 (formerly Pletcher Fed #3)	B 986' FNL & 1648' FEL Section 8-18S-27E	10/6/48	12/1/48	Oil	1200'	7" @ 1136' w/75 sxs cmt. TOC @ 590' (calc). 7" csq collapsed. Ran 5" liner inside 7" set on pkr. 5" liner set on pkr in 7" csq. base @ 1068'. Open hole completion 1136'-1200'. Plugged & abandoned 10/12/85 (see wellbore diagram).
West Red Lake Unit #23 30-015-00822 (formerly Compton #5)	G 1650' FNL & 1650' FEL Section 8-18S-27E	2/13/50	4/7/50	Oil	1227'	7" @ 1025' w/225 sxs cmt. TOC @ surface (calc). 5" @ 1075'. Open hole completion 1075'-1228'. 4 1/2" 9.5# @ 2340' w/150 sxs cmt. TOC @ 980'. Perfd 1788'-1992'.
West Red Lake Unit #24 (formerly Compton #4 and Blainard #4)	P 990' FSL & 660' FEL Section 5-18S-27E	2/15/33	6/29/33	P&A	2505'	10" csq @ 802' (no record of cmt job) 8" csq @ 1081' (no record of cmt job) 5-5/8" csq @ 1287' (no record of cmt job) Plugged & abandoned 12/13/33 (see wellbore diagram).

**ATTACHMENT VI
WELLS OPERATED BY DEVON**

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #25 30-015-00819 (formerly Pitcher Fed #1)	A 121' FNL & 1003' FEL Section 8-18S-27E	11/28/31	3/9/32	Oil	1239'	10' 42" @ 600' w/2 yds mud. 8 1/4' 36" @ 1090' w/8 yds mud. Open hole completion 1090'-1239'. 7' @ 1147'. Est'd 225 sbs cmt. TOC @ surface (calc). Plugged & abandoned 10/15/85. Re-entered and deepened to 2300'. 4-1/2" 10 5/8" @ 2299' w/ 300 sx cmt. TOC @ surface. Perf'd 1796'-2048'. acidized & frac'd. 15 1/2" @ 100'. 13 3/8" @ 320'. 8 5/8" @ 1334'. 10 3/4' 400'. 4 1/2" 9 5/8" @ 2293' w/625 sbs cmt. TOC @ 50'. Open hole completion 1334'-2310'. Perf's 1846'-2286'.
West Red Lake Unit #27 30-015-01206 (formerly Mann #4)	M 250' FSL & 775' FWL Section 4-18S-27E	9/8/27	2/5/28	Oil	2296'	8 5/8" 28" @ 1123' w/75 sbs cmt. TOC est'd @ surface. 7' 23" @ 1568' w/100 sbs cmt. TOC calc @ 440'. 5 1/2" 15" @ 1909' w/100 sbs cmt. TOC est'd @ 1375'. Open hole completion 1943'-1958'.
West Red Lake Unit #28 30-015-00834	D 990' FNL & 330' FWL Section 9-18S-27E	7/5/49	10/27/49	Oil	2001'/1973'	4 1/2" @ 5618'. TOC est'd @ surface. Perf'd 2037'-2159'. Acidized 2037'-2159' w/250 gals.
West Red Lake Unit #29 30-015-00770 (formerly Honda EG Fed #1)	K 1592' FSL & 2302' FWL Section 4-18S-27E	3/3/65	3/9/65	Oil	5620'/2310'	4 1/2" @ 5618'. TOC est'd @ surface. Perf'd 2037'-2159'. Acidized 2037'-2159' w/250 gals.
West Red Lake Unit #30 35-015-00767 (formerly Humble Fed. #1)	N 330' FNL & 2310' FWL Section 4-18S-27E	9/18/58	11/17/58	Inactive Oil	2150'	8 5/8" @ 1451' w/150 sbs cmt. TOC calc @ 400'. 5 1/2" @ 2150' w/380 sbs cmt. TOC calc @ 100'. Perf'd. add & frac'd 2017'-2114'.
West Red Lake Unit #31 30-015-00833	C 660' FNL & 1980' FWL Section 9-18S-27E	12/13/61	3/1/62	Oil	2350'/2341'	10 3/4' 52" @ 27' w/20 sbs cmt. Ran 1" to cmt w/54 sbs. TOC @ surface. 4 1/2" 9 5/8" @ 2350' w/475 sbs cmt. TOC @ 200' (temp svy). Perf'd 2066'-2254' w/136 total shots.
West Red Lake Unit #33 30-015-24987	A 660' FNL & 860' FEL Section 8-18S-27E	10/2/84	10/30/84	Oil	2150'/1980'	14" conductor @ 40' in 18" hole w/3 yds red-mix. 8 5/8" 24" @ 1045' in 11" hole w/500 sbs cmt. TOC @ surface. 5 1/2" 14" @ 2150' in 7 7/8" hole w/350 sbs cmt. TOC @ surface. Perf'd 1232'-1241'. 1886'-1974' & 2018'-2027'. Cmt retainer @ 1998' w/18" cmt on top. squeezed perf's 2018'-2027'.
West Red Lake Unit #34 30-015-26422	C 990' FNL & 1770' FWL Section 9-18S-27E	7/26/90	9/7/90	Oil	2400'/2382'	8 5/8" 24" @ 1105' w/550 sbs cmt. TOC est' @ surface. 4 1/2" 10 5/8" @ 2400' w/580 sbs cmt. TOC @ surface. Perf'd 2052'-2157' & 2169'-2298'.
West Red Lake Unit #35 30-015-27473	D 330' FNL & 240' FWL Section 9-18S-27E	8/10/93	1/6/94	Oil	2800'-2724'	8 5/8" 24" csq @ 1150' w/370 & 200 sbs cmt. TOC @ surface. 5 1/2" 15 5/8" @ 2799' w/110 sbs lfe & 400 sbs cl "C". TOC @ surface. Perf'd 1846'-2088' w/31 holes.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #37 30-015-27439	F 1490' FNL & 2050' FWL Section 7-18S-27E	8/26/93	2/1/94	Oil	2450'/2394'	8 5/8" 24# @ 899' in 12 1/4" hole w/625 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2449' in 7 7/8" hole w/435 sxs cntl. TOC @ surface. Perfd 1535-1790.
West Red Lake Unit #38 30-015-28190	D 330' FBL & 330' FWL Section 7-18S-27E	1/9/95	4/25/95	Oil	1950'/1720'	8 5/8" 24# @ 906' in 12 1/4" hole w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1950' in 7 7/8" hole w/30 sxs cntl. TOC @ surface. Perfs 1022-1036, 1374-1473, & 1564-1794
West Red Lake Unit #39 30-015-28189	D 990' FNL & 990' FWL Section 7-18S-27E	1/14/95	3/25/95	Oil	1955'/1889'	8 5/8" 24# @ 922' in 12 1/4" hole w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1954' in 7 7/8" hole w/350 sxs cntl. TOC @ surface. Perfd 1548-1808. Perfd 1358-1440.
West Red Lake Unit #40 30-015-28199	N 330' FSL & 1650' FWL Section 7-18S-27E	12/12/96	1/11/97	Oil	2000'/1955'	13 3/8" 48# @ 227' w/275 sxs cntl. TOC @ surface. 8 5/8" 24# @ 916' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1999' w/350 sxs cntl. TOC @ surface. Perfd, acid & fracd 1420-1840.
West Red Lake Unit #41 30-015-28443	B 330' FNL & 1800' FEL Section 7-18S-27E	10/20/95	11/9/95	Oil	2100'/2054'	8 5/8" 24# @ 971' in 12 1/4" hole w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2100' in 7 7/8" hole w/425 sxs cntl. TOC @ surface. Perfd 1526-1956.
West Red Lake Unit #43 30-015-28564	N 680' FSL & 1650' FWL Section 4-18S-27E	9/12/95	10/11/95	Oil	2300'	8 5/8" @ 1199' w/600 sxs cntl. TOC calc @ surface. 5 1/2" @ 2299' w/400 sxs cntl. TOC calc @ 165'. Perfd, acid & fracd 1805-2190. 2 7/8" bfg @ 2198.
West Red Lake Unit #45 30-015-28445	M 990' FSL & 330' FWL Section 4-18S-27E	9/18/95	9/22/95	Oil	2225'/2146'	8 5/8" 24# @ 1069' w/450 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2221' w/350 sxs cntl. TOC @ surface. Perfd, acid & fracd 1723-2115' total 29 holes. 2 7/8" bfg @ 2125.
West Red Lake Unit #46 30-015-28301	D 1090' FNL & 280' FWL Section 8-18S-27E	2/4/95	3/12/95	Oil	2050'/1954'	8 5/8" 24# @ 1025' in 12 1/4" hole w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2049' in 7 7/8" hole w/350 sxs cntl. TOC @ surface. Perfd 1662-1912. Perfd 1498-1570.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #47 30-15-28471	G 2310' FNL & 1510' FEL Section 8-18S-27E	9/24/96	9/30/95	Oil	2250/2199'	8 5/8" 24# @ 1099' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2249' w/365 sxs cntl. TOC @ surface. Perfd. acid & fracd 1656-2070' w/25 holes. 2 7/8" bpg @ 2099'. Converted to WIW.
West Red Lake Unit #49 30-015-28286	K 2310' FSL & 1750' FWL Section 4-18S-27E	2/10/95	5/4/95	Oil	2329/2272'	8 5/8" 24# @ 1248' w/600 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2329' w/425 sxs cntl. TOC @ surface. Perfd. acid & fracd 1414-1424' & 1724-2180'.
West Red Lake Unit #50 30-015-26428	C 990' FNL & 1700' FWL Section 8-18S-27E	8/5/90	9/9/90	Oil	3044/3003'	8 5/8" 24# @ 1095' in 12 1/4" hole w/550 sxs cntl. TOC @ surface. 4 1/2" 10.5# @ 3040' in 7 7/8" hole w/900 sxs cntl. TOC @ surface. Perfd 2832-2901'. Perfd 2273-2476' & 2536-2764'. Squeezed parts 2273-2476' w/277 sxs cntl. CIBP @ 2200' w/2 sxs cntl on top. Perfd 1644-1690, 1710-1788' & 1810-1928'. Add parts 1190-1556 and converted to WIW 8/6/97. 8 5/8" 24# @ 1025' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2049' w/425 sxs cntl. TOC @ surface. Perfd 1498-1908'.
West Red Lake Unit #51 30-015-28459	H 1450' FNL & 890' FEL Section 8-18S-27E	10/28/95	11/17/95	WIW	2050/1982'	8 5/8" 24# @ 1025' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2049' w/425 sxs cntl. TOC @ surface. Perfd 1498-1908'.
West Red Lake Unit #52 30-015-28226	F 2200' FNL & 2500' FWL Section 7-18S-27E	1/21/95	4/15/95	Oil	1950/1873'	13 3/8" 48# @ 204' w/200 sxs cntl. TOC @ 60'. 8 5/8" 24# @ 915' w/450 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1949' w/400 sxs cntl. TOC @ surface. Perfd 1018-1818 (squeezed 1018-1030'). Perfd 1392-1818'. 8 5/8" 24# @ 948' w/650 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2096' w/375 sxs cntl. TOC @ surface. Perfd 1512-1913'.
West Red Lake Unit #53 30-015-28550	I 1780' FSL & 155' FEL Section 7-18S-27E	10/2/95	10/20/95	Oil	2100/2019'	8 5/8" 24# @ 948' w/650 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2096' w/375 sxs cntl. TOC @ surface. Perfd 1512-1913'.
West Red Lake Unit #54 30-015-28454	N 1150' FSL & 2350' FWL Section 7-18S-27E	12/6/96	12/20/96	Oil	2000/1959'	13 3/8" 48# @ 233' w/275 sxs cntl. TOC @ surface. 8 5/8" 24# @ 925' w/250 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1999' w/350 sxs cntl. TOC @ surface. Perfd. acid & fracd 1387-1824'.
West Red Lake Unit #55 30-015-28455	K 1650' FSL & 1650' FWL Section 7-18S-27E	12/19/96	1/13/97	Oil	2000/1955'	13 3/8" 48# @ 233' w/275 sxs cntl. TOC @ surface. 8 5/8" 24# @ 925' w/250 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1999' w/345 sxs cntl. TOC @ surface. Perfd. acid & fracd 1368-1806'.
West Red Lake Unit #56 30-015-28451	K 2100' FSL & 1980' FWL Section 7-18S-27E	11/1/95	11/22/95	Oil	1950/1883'	13 3/8" 48# @ 201' w/551 sxs cntl. TOC @ surface. 8 5/8" 24# @ 899' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 1949' w/340 sxs cntl. TOC @ surface. Perfd 1374-1807'.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/P8TD	Completion Record
West Red Lake Unit #57 30-015-28539	P 280' FSL & 850' FEL Section 6-18S-27E	10/13/95	11/15/95	Oil	2150'	8 5/8" @ 999' w/500 sxs cntl. TOC calc @ surface. 5 1/2" @ 2149' w/425 sxs cntl. TOC calc @ surface. Perfd. acid & tracd 1529'-1962'. 2 7/8" tbq @ 2009'.
West Red Lake Unit #58 30-015-28780	M 660' FSL & 990' FWL Section 5-18S-27E	3/4/96	4/3/96	WIW	2200'	Perfd 1708'-1954' and converted to WIW 1/23/96. 8 5/8" @ 1010' w/650 sxs cntl. TOC calc @ surface. 5 1/2" @ 2250' w/485 sxs cntl. TOC calc @ surface. Perfd. acid & tracd 1540'-1996'. 2 7/8" tbq @ 2040'.
West Red Lake Unit #59 30-015-28750	M 100' FSL & 660' FWL Section 5-18S-27E	3/10/96	4/20/96	Oil	2250'	8 5/8" @ 1150' w/675 sxs cntl. TOC calc @ surface. 5 1/2" @ 2250' w/485 sxs cntl. TOC calc @ surface. Perfd. acid & tracd 1506'-1952'.
West Red Lake Unit #60 30-015-28781	N 50' FSL & 1930' FWL Section 5-18S-27E	3/16/96	4/11/96	Oil	2200'/2153'	8 5/8" 24# @ 1013' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2200' w/370 sxs cntl. TOC @ surface. Perfd 1536'-1991' (1191'-1365' squeezed).
West Red Lake Unit #61 30-015-28709	C 330' FNL & 2310' FWL Section 9-18S-27E	3/2/96	4/16/96	Oil	2400'	Perfd 1716'-1998' and converted to WIW 12/22/97. 8 5/8" @ 1013' w/500 sxs cntl. TOC calc @ surface. 5 1/2" @ 2400' w/450 sxs cntl. TOC calc @ surface. Perfd. acid & tracd 1812'-2249'. 2 7/8" tbq @ 2256'.
West Red Lake Unit #62 30-015-28734	D 990' FNL & 990' FWL Section 9-18S-27E	3/28/96	4/19/96	Oil	2400'/2357'	8 5/8" 24# @ 1015' w/500 sxs cntl. TOC @ surface. 5 1/2" @ 2400' w/450 sxs cntl. TOC @ surface. Perfd. acid & tracd 1894'-2132' w/27 holes. 2 7/8" tbq @ 2138'.
West Red Lake Unit #65 30-015-28926	P 1108' FSL & 691' FEL Section 5-18S-27E	6/28/96	7/20/96	Oil	2300'/2226'	8 5/8" 24# @ 1096' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2199' w/400 sxs cntl. TOC @ surface. Perfd. acid & tracd 1594'-2078' w/28 holes. 2 7/8" tbq @ 1999'.
West Red Lake Unit #66 30-015-28874	M 230' FSL & 330' FWL Section 6-18S-27E	5/3/96	5/24/96	Oil	1972'	8 5/8" @ 925' w/450 sxs cntl. TOC @ surface. 5 1/2" @ 1971' w/375 sxs cntl. TOC @ surface. Treated 1386'-1833' w/25,000 gals Acid. IP: 100 BOPD. 150 MCFPD

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #67 30-015-28875	C 330' FNL & 1400' FNL Section 7-18S-27E	4/25/96	5/24/96	Oil	2000'/1961'	13 3/8" 48# @ 141' w/285 sxs cntl. TOC @ surface. 8 5/8" 24# @ 903' w/600 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2000' w/375 sxs cntl. TOC @ surface. Perfd 1395'-1840'.
West Red Lake Unit #68 30-015-28898	F 2310' FNL & 1700' FNL Section 7-18S-27E	4/17/96	5/4/96	Oil	2000'/1961'	13 3/8" 48# @ 180' w/275 sxs cntl. TOC @ surface. 8 5/8" 24# @ 900' w/600 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2000' w/325 sxs cntl. TOC @ surface. Perfd 1396'-1812'.
West Red Lake Unit #70 30-015-28939	B 700' FNL & 2600' FEL Section 8-18S-27E	5/23/96	6/23/96	Oil	2200'/2152'	8 5/8" 24# @ 1006' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2199' w/400 sxs cntl. TOC @ surface. Perfd 1170'-1989'.
West Red Lake Unit #71 30-015-28940	B 710' FNL & 1650' FEL Section 8-18S-27E	5/3/96	7/18/96	Oil	2200'/2154'	8 5/8" 24# @ 975' w/600 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2199' w/475 sxs cntl. TOC @ surface. Perfd 1194'-1996'.
West Red Lake Unit #72 30-015-28941	F 1400' FNL & 2100' FNL Section 8-18S-27E	6/5/96	7/20/96	Oil	2150'/2107'	8 5/8" 24# @ 1000' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2150' w/400 sxs cntl. TOC @ surface. Perfd acid & traced 1208'-1960' w/40 holes. 2 7/8" bq @ 1997'.
West Red Lake Unit #73 30-015-28942	B 1300' FNL & 2350' FEL Section 8-18S-27E	6/11/96	7/26/96	WIW	2200'/2154'	Perfd 1689'-1959' and converted to WIW 8/8/97. 8 5/8" 24# @ 1000' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2199' w/400 sxs cntl. TOC @ surface. Perfd 1182'-1996'.
West Red Lake Unit #74 30-015-28943	G 1930' FNL & 2600' FEL Section 8-18S-27E	6/16/96	7/6/96	Oil	2250'/2205'	8 5/8" 24# @ 1000' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2250' w/425 sxs cntl. TOC @ surface. Perfd 1196'-1996'.
West Red Lake Unit #75 30-015-28944	G 2200' FNL & 2100' FEL Section 8-18S-27E	6/22/96	8/16/96	Oil	2250'/2205'	Squeezed perfs 1196'-1225'. Added new perfs 1752'-2010'. Converted to WIW. 8 5/8" 24# @ 1092' w/400 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2251' w/385 sxs cntl. TOC @ surface. Perfd 1232'-2046'.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
West Red Lake Unit #76	N	5/10/96	5/31/96	Oil	2400'	8 5/8" @ 999' w/500 sxs cmt. TOC calc @ surface. 5 1/2" @ 2399' w/525 sxs cmt. TOC calc @ surface. Perf'd acid & fraced 1952'-2216'. 2 7/8" bty @ 2254'.
West Red Lake Unit #77	C	7/4/96	7/26/96	Oil	2400'/2363'	8 5/8" 24# @ 999' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2250' w/525 sxs cmt. TOC @ surface. Perf'd acid & fraced 1812'-2226' w/25 holes. 2 7/8" bty @ 2255'.
West Red Lake Unit #78	F	7/10/96	8/2/96	Oil	2200'/2155'	8 5/8" 24# @ 1045' w/600 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2199' w/450 sxs cmt. TOC @ surface. Perf'd 1540'-1949'.
Carter Collier 5 Federal #2	H	1/29/98	2/21/98	Oil	2450'/2408'	8 5/8" 24# @ 1057' w/600 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2449' w/500 sxs cmt. TOC @ surface. Perf'd acid & fraced 1876'-2144'.
Compton-Federal #1	O	1/7/57	2/1/57	PLA	2637'	8 5/8" 32# @ 1264' w/ 416 sx cmt. TOC @ surface. 5 1/2" 14# @ 2427' w/ 233 sx cmt. TOC @ + 830' (temp survey). Perf'd 1770'-1815', 2213'-2263', 2364'-2401'. BP set @ 1856'. Plugged & abandoned 1786' (see wellbore diagram). 8 5/8" @ 985' cmt'd w/ 375 sx. TOC @ surface. 5 1/2" @ 2072' cmt'd w/ 250 sx. calc. TOC 715'. Treated 1733'-1779' w/250 gals Acid & 12,000 gals Frac. IP: 75 BOPD
Fried-Federal #1	L	2/9/57	3/31/57	Oil	2102'	8 5/8" @ 978' w/350 sxs cmt. 5 1/2" @ 1855' w/38 sxs cmt. Treated 1742'-1760' w/10,000 gals Frac. IP: 25 BOPD
Fried-Federal #2	E	11/30/58	1/12/59	Oil	1855'	8 5/8" 24# @ 1059' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2249' w/400 sxs cmt. TOC @ surface. Perf'd acid & fraced 1238'-2086' w/25 holes. 2 7/8" bty @ 2111'.
Hawk BJ Federal #1	J	7/16/96	8/8/96	Oil	2250'/2205'	8 5/8" 24# @ 1087' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2299' w/400 sxs cmt. TOC @ surface. Perf'd acid & fraced 1293'-2074' w/25 holes. 2 7/8" bty @ 2108'.
Hawk BJ Federal #2	J	9/7/96	9/29/96	Oil	2300'/2254'	8 5/8" 24# @ 1087' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2299' w/400 sxs cmt. TOC @ surface. Perf'd acid & fraced 1293'-2074' w/25 holes. 2 7/8" bty @ 2108'.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PRTD	Completion Record
Hawk 8K Federal #3 30-015-29014	K 2310' FSL & 1650' FWL Section 8-18S-27E	8/2/96	9/1/96	Oil	2199'/2156'	8 5/8" 24# @ 1044' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2199' w/400 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1567'-1966' w/27 holes. 2 7/8" bpg @ 2117'.
Hawk 8K Federal #4 30-015-29054	K 1650' FSL & 2610' FWL Section 8-18S-27E	7/27/96	8/17/96	Oil	2249'/2206'	8 5/8" 24# @ 1055' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2249' w/400 sxs cmt. TOC @ surface. Perf'd 1243'-2078'.
Hawk 8L Federal #5 30-015-29015	L 2160' FSL & 725' FWL Section 8-18S-27E	7/21/96	8/15/96	Oil	2199'/2159'	8 5/8" 24# @ 1022' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2199' w/400 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1524'-2014' w/25 holes. 2 7/8" bpg @ 2038'.
Hawk 8L Federal #6 30-015-29068	L 1750' FSL & 1190' FWL Section 8-18S-27E	10/7/96	10/25/96	Oil	2200'/2154'	8 5/8" 24# @ 1081' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2199' w/400 sxs cmt. TOC @ surface. Perf'd 1352'-1906'.
Hawk 8N Federal #7 30-015-29016	N 840' FSL & 2200' FWL Section 8-18S-27E	10/12/96	11/1/96	Oil	2250'/2200'	8 5/8" 24# @ 1064' w/600 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2249' w/450 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1258'-2058'.
Hawk 8N Federal #8 30-015-29055	N 330' FSL & 2210' FWL Section 8-18S-27E	10/30/96	11/15/96	Oil	2350'/2294'	8 5/8" 24# @ 1066' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2349' w/475 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1252'-2092'.
Hawk 8O Federal #9 30-015-29069	O 990' FSL & 1885' FEL Section 8-18S-27E	9/26/96	10/19/96	Oil	2250'/2000'	8 5/8" 24# @ 1087' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2249' w/400 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1656'-2092' w/30 holes. 2 7/8" bpg @ 2011'.
Hawk 9A Federal #1 30-015-29143	A 330' FNL & 990' FEL Section 9-18S-27E	11/16/96	12/7/96	Oil	2600'/2546'	8 5/8" 24# @ 1296' w/650 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2599' w/475 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1564'-2342'.
Hawk 9A Federal #2 30-015-29479	A 990' FNL & 990' FEL Section 9-18S-27E	5/10/97	6/1/97	Oil	2649'/2603'	8 5/8" 24# @ 1171' w/550 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2649' w/550 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1585'-2361'.
Hawk 9B Federal #3 30-015-29154	B 330' FNL & 2010' FEL Section 9-18S-27E	11/9/96	11/27/96	Oil	2400'/2357'	8 5/8" 24# @ 1064' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2399' w/550 sxs cmt. TOC @ surface. Perf'd. acid & frac'd 1810'-2246'.
						2/78" bpg OE @ 1961'.

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
Hawk 9B Federal #4 30-015-29440	B 990' FNL & 1360' FEL Section 9-18S-27E	5/17/97	6/7/97	Oil	2599/2557'	8 5/8" 24# @ 1170' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2599' w/450 sxs cntl. TOC @ surface. Perfd. acid & fracd 1663'-2294'. 2 7/8" bpg @ 2120'.
Hawk 9E Federal #5 30-015-29025	E 1650' FNL & 330' FWL Section 9-18S-27E	8/14/96	9/17/96	Oil	2411/2364'	8 5/8" 24# @ 1095' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2410' w/425 sxs cntl. TOC @ surface. Perfd. acid & fracd 1674'-2128' w/32 holes. 2 7/8" bpg @ 2159'.
Hawk 9E Federal #6 30-015-29097	E 2310' FSL & 750' FWL Section 9-18S-27E	9/21/96	10/12/96	Oil	2400/2352'	8 5/8" 24# @ 1112' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2399' w/450 sxs cntl. TOC @ surface. Perfd. acid & fracd 1758'-2190' w/35 holes. 2 7/8" bpg @ 2227'.
Hawk 9F Federal #7 30-015-29026	F 1500' FNL & 1650' FWL Section 9-18S-27E	8/20/96	9/16/96	Oil	2400/2352'	8 5/8" 24# @ 1011' w/600 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2399' w/500 sxs cntl. TOC @ surface. Perfd. acid & fracd 1560'-2225' w/30 holes. 2 7/8" bpg @ 2250'.
Hawk 9F Federal #8 30-015-29093	F 2310' FSL & 2460' FWL Section 9-18S-27E	10/19/96	11/7/96	Oil	2500/2454'	8 5/8" 24# @ 1065' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2499' w/575 sxs cntl. TOC @ surface. Perfd. acid & fracd 1534'-2288' w/25 holes. 2 7/8" bpg @ 2310'.
Hawk 9G Federal #9 30-015-29155	G 1650' FNL & 2310' FEL Section 9-18S-27E	11/4/96	11/16/96	Oil	2500/2444'	8 5/8" 24# @ 1062' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2499' w/500 sxs cntl. TOC @ surface. Perfd. acid & fracd 1877'-2318' w/29 holes. 2 7/8" bpg @ 2447'.
Hawk 9G Federal #10 30-015-29634	G 2310' FNL & 1750' FEL Section 9-18S-27E	7/31/97	8/15/97	Oil	2649/2609'	8 5/8" 24# @ 1153' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2649' w/550 sxs cntl. TOC @ surface. Perfd. acid & fracd 1664'-2362'. 2 7/8" bpg @ 2060'.
Hawk 9H Federal #11 30-015-29156	H 1550' FNL & 750' FEL Section 9-18S-27E	11/25/96	12/12/96	Oil	2550/2507'	8 5/8" 24# @ 1165' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5# @ 2549' w/450 sxs cntl. TOC @ surface. Perfd. acid & fracd 1597'-2330'. 2 7/8" bpg @ 2043'.
Hondo-Federal #1 30-015-00772	G 2190' FNL & 1650' FEL Section 4-18S-27E	9/11/92	10/15/92	Oil	2740/2200'	9 5/8" 1483' w/ TOC @ surface. 4 1/2" 1717'-2200' w/350 sxs cntl. TOC @ surface of 4-1/2". Perfd 2030'-2200'. Perfd 1744'-2190' & 1270'-1461'. 2 3/8" bpg @ 2212'.

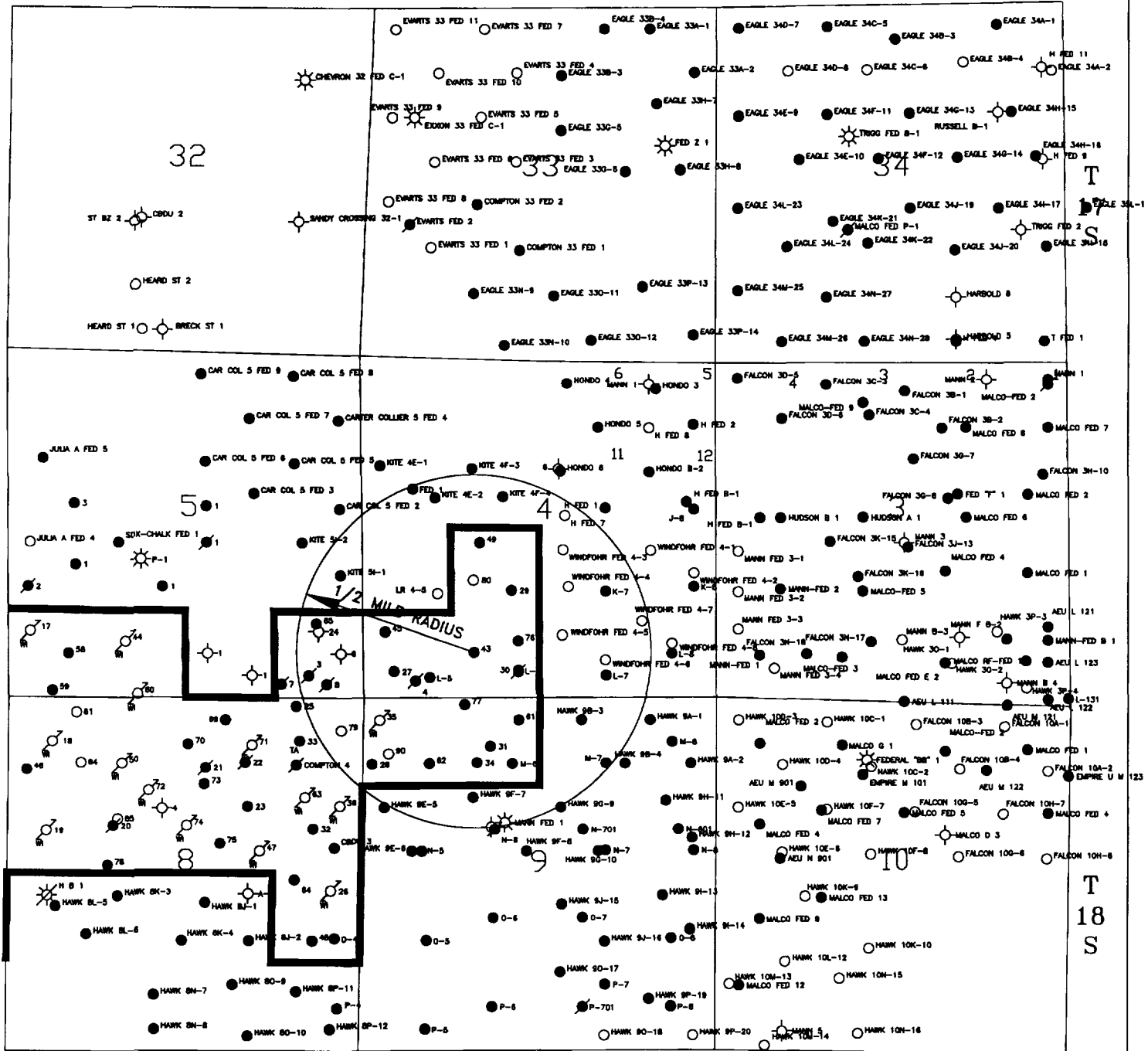
ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
Hondo-Federal #6 30-015-29053	G 1650' FSL & 2310' FEL Section 4-18S-27E	9/15/96	10/4/96	Oil	2450'/2402'	8 5/8" 24" @ 1104' w/500 sxs cntl. TOC @ surface. 5 1/2" 15.5" @ 2449' w/475 sxs cntl. TOC @ surface. Perfd. acid & fracd 1780'-2229'. 2 7/8" lbg @ 2246'.
Johnston 1Y 30-015-05956	L 2340' FSL & 990' FML Section 7-18S-27E	4/7/98	8/19/98	Oil	1810'/1772'	18" @ 50' w/50 sxs cntl. TOC @ surface. 8 5/8" @ 872' w/590 sxs cntl. TOC @ surface. 5 1/2" @ 1810' w/225 sxs cntl. TOC @ 800'. Perfd. 990'-998', 1540'-1566', 1642'-1648', & 1655'-1670'. Temporarily abandoned 1/16/98.
Johnston #2 30-015-29411	L 1650' FSL & 850' FML Section 7-18S-27E	11/24/97	12/16/97	Oil	2150'/2086'	13 3/8" 48" @ 209' w/300 sxs cntl. TOC @ surface. 8 5/8" 24" @ 913' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5" @ 2149' w/400 sxs cntl. TOC @ surface. Perfd. acid & fracd 1350'-1655'. 2 7/8" lbg @ 1611'.
Johnston #3 30-015-29412	L 2310' FSL & 330' FML Section 7-18S-27E	10/2/97	10/25/97	Oil	2100'/2050'	13 3/8" 48" @ 204' w/275 sxs cntl. TOC @ surface. 8 5/8" 24" @ 929' w/550 sxs cntl. TOC @ surface. 5 1/2" 15.5" @ 2099' w/400 sxs cntl. TOC @ surface. Perfd. acid & fracd 1420'-1806'. 2 7/8" lbg @ 1516'.
Julia A Federal #1 30-015-00782	L 1980' FSL & 1020' FML Section 5-18S-27E	9/9/92	4/20/93	Active Oil	1893'/1865'	10" @ 982' 8 1/4" @ 1076' 6 5/8" @ 1435' (mudded) 5-1/2" 17" @ 1844' cntld w/ 100 sxs. TOC @ surface. 1844'-1865' open hole production. Perfd 1816'-1822'. 8 5/8" @ 1000'.
Julia A Federal #2 30-015-00778	L 1687' FSL & 370' FML Section 5-18S-27E	6/15/97	12/6/97	Oil	1824'	5-1/2" @ 1482' w/ est'd 25 sxs. TOC @ 1110'. Open hole completion 1482'-1824'. 4-1/2" liner from 1272'-1832' w/ 135 sxs. calc. TOC @ top of liner. Perfd 1762'-1822'. Plugged & abandoned 7/15/91 (see diagram).
Julia B Federal #1 30-015-00791	L 1650' FSL & 330' FEL Section 6-18S-27E	4/3/93	6/25/93	Oil	3457'	10" @ 564' no cntl detail available 8 1/4" @ 1060' w/75 sxs cntl. calc @ 400'. 1060'-1817' open hole production.
Kaiser B-1 30-015-30127	B 480' FNL & 2310' FEL Section 18-18S-27E	4/1/98	4/19/98	Oil	2255'/2202'	13 3/8" 48" @ 157' w/300 sxs cntl. TOC @ surface. 8 5/8" 24" @ 941' w/600 sxs cntl. TOC @ surface. 5 1/2" 15.5" @ 2247' w/400 sxs cntl. TOC @ surface. Perfd. acid & fracd 1460'-1928' (35 holes) 2 7/8" lbg @ 1850'

ATTACHMENT VI
WELLS OPERATED BY DEVON

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
Kite 4E Federal #1	E	10/7/96	10/24/96	Oil	2500'/2454'	8 5/8" 24# @ 1097' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2499' w/525 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1416'-2210'. 2 7/8" bpg @ 2253'.
30-015-29087	1650' FNL & 280' FML Section 4-18S-27E					
Kite 4E Federal #2	E	9/3/96	9/27/96	Oil	2400'/2356'	8 5/8" 24# @ 1087' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2399' w/500 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1723'-2220'. 2 7/8" bpg @ 2260'.
30-015-29024	2100' FNL & 1090' FML Section 4-18S-27E					
Kite 4F Federal #3	F	10/12/96	10/31/96	Oil	2400'/2353'	8 5/8" 24# @ 1094' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2399' w/450 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1410'-2228'. 2 7/8" bpg @ 2234'.
30-015-29066	1650' FNL & 1650' FML Section 4-18S-27E					
Kite 4F Federal #4	F	9/9/96	9/29/96	Oil	2400'/2357'	8 5/8" 24# @ 1087' w/400 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2399' w/475 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1730'-2222'. 2 7/8" bpg @ 2246'.
30-015-29030	2050' FNL & 2100' FML Section 4-18S-27E					
Kite 5I Federal #1	I	8/26/96	9/22/96	Oil	2350'/2301'	8 5/8" 24# @ 1021' w/600 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2349' w/525 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1625'-2110' w/31 holes. 2 7/8" bpg @ 2130'.
30-015-29023	1825' FSL & 325' FEL Section 5-18S-27E					
Kite 5I Federal #2	I	9/20/96	10/11/96	Oil	2350'/2303'	8 5/8" 24# @ 1081' w/500 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2349' w/450 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1648'-2123' w/32 holes. 2 7/8" bpg @ 2162'.
30-015-29067	2310' FSL & 890' FEL Section 5-18S-27E					
Maico B Federal #6	G	12/14/97	1/28/98	Oil	2450'/2402'	8 5/8" 24# @ 1077' w/600 sxs cmt. TOC @ surface. 5 1/2" 15.5# @ 2449' w/550 sxs cmt. TOC @ surface. Perf'd. acid & fracd 1666'-2141'. 2 7/8" bpg @ 1811'.
30-015-29924	2030' FNL & 1750' FEL Section 6-18S-27E					
Main Federal #1	F	8/23/85	10/14/85	Gas	9811'/9480'	13 3/8" @ 509' w/550 sxs cmt. TOC @ surface. 8 5/8" @ 2100' w/750 sxs cmt. TOC @ surface. 5 1/2" @ 9811' w/675 sxs cmt. TOC @ 1000' TS 2 3/8" @ 9172'. Perf'd 9524'-9623' & squeezed w/125 sxs cmt thru pkr @ 9480'. Perf'd & fracd 9251'-9256'.
30-015-25357	1890' FNL & 2130' FML Section 9-18S-27E					
Paton Federal #2	N	8/11/57	9/1/57	Oil	1765'	8 5/8" @ 920' w/300 sxs cmt. TOC @ surface. 5 1/2" @ 1765' w/100 sxs cmt. TOC @ surface. Treated 1690'-1726' w/12,000 gals of frac. IP: 55 BOPD w/FTP 110 PSI.
30-015-00800	330' FSL & 2990' FEL Section 6-18S-27E					

R 27 E



N

WRLINJ-43

devon

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #43
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

Scale in Feet
1000 0 1000 2000 3000 4000
EB

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

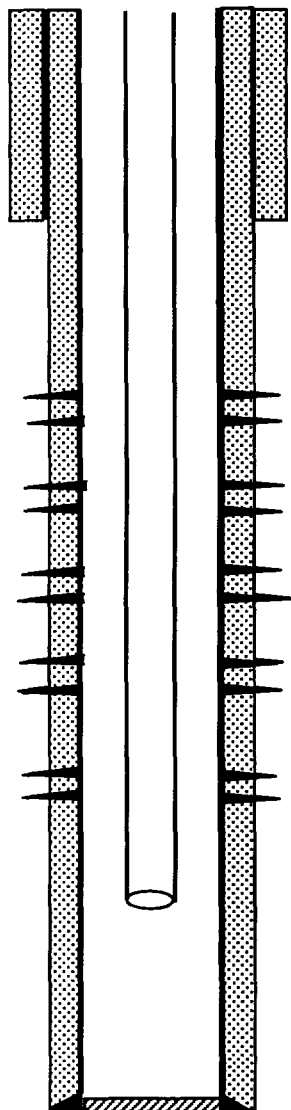
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #45
 990' FSL & 330' FWL "M"
 Section 4-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 1069' w/650 sxs cmt. TOC surface.
 Production: 5-1/2" 15.5# @ 2221' w/350 sxs cmt, TOC surface.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1650'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1723'-2130'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #45			FIELD: Red Lake			
LOCATION: 990' FSL & 330' FWL "M" of Sec. 4-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3526'			SPUD DATE: 9/18/95		COMP DATE: 10/11/95	
API#: 30-015-28445		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1069'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2221'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 2125'	2-7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1069' w/650 sxs cmt. TOC @ surface

SAN ANDRES PERFORATIONS:

1723'-2115'

2-7/8" Tbg @ 2125'

PBTD @ 2146'

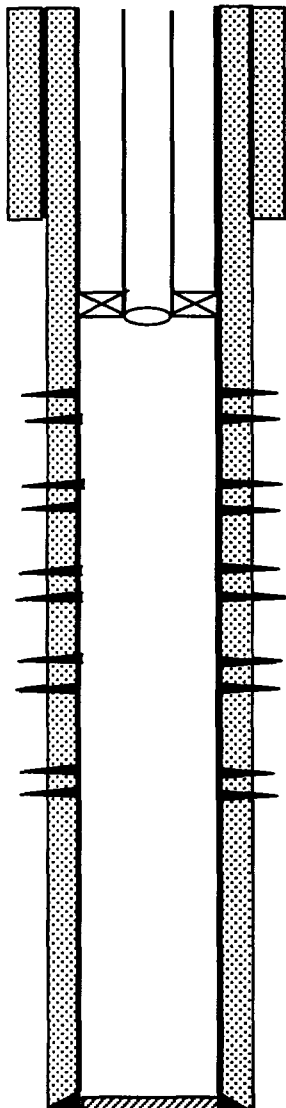
5 1/2" Casing set @ 2221' w/350 sxs cmt . TOC @ surface

TD @ 2225'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #45			FIELD: Red Lake			
LOCATION: 990' FSL & 330' FWL "M" of Sec. 4-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3526'			SPUD DATE: 9/18/95		COMP DATE: 10/11/95	
API#: 30-015-28445		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1069'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2221'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1650'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1069' w/650 sxs cmt. TOC @ surface

2-3/8" IPC tbg set w/ pkr @ +/- 1650'

SAN ANDRES INJECTION INTERVAL:

1723'-2130'

PBSD @ 2146'

5 1/2" Casing set @ 2221' w/350 sxs cmt. TOC @ surface

TD @ 2225'

WRINJ-45



WEST RED LAKE UNIT #45
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

WEST RED LAKE UNIT #45
WELLS WITHIN 1/2 MILE RADIUS

ATTACHMENT 5



DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

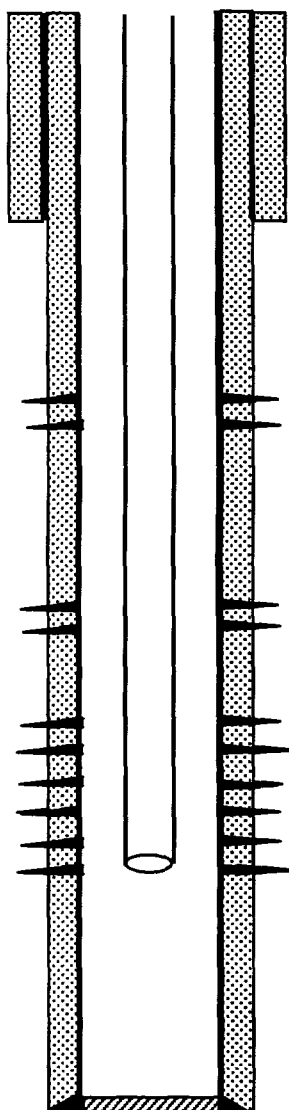
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #49
 2310' FSL & 1750' FWL "K"
 Section 4-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 1248' w/600 sxs cmt. TOC surface.
 Production: 5-1/2" 15.5# @ 2329' w/425 sxs cmt, TOC surface.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1650'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1724'-2180'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #49			FIELD: Red Lake			
LOCATION: 2310' FSL & 1750' FWL "K" of Sec. 4-18S-27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL 3580'			SPUD DATE: 2/10/95		COMP DATE: 5/4/95	
API#: 30-015-28286		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1248'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2329'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 2175'	2-7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1248' w600 sxs cmt. TOC @ surface

PREMIER PERFORATIONS:

1414'-1424'

SAN ANDRES PERFORATIONS:

1724'-1834' (Alpha)

1955'-1994' ("A")

2012'-2076' ("B")

2112'-2140' ("C")

2170'-2180' ("D")

2-7/8" Tbg @ 2175'

PBTD @ 2272'

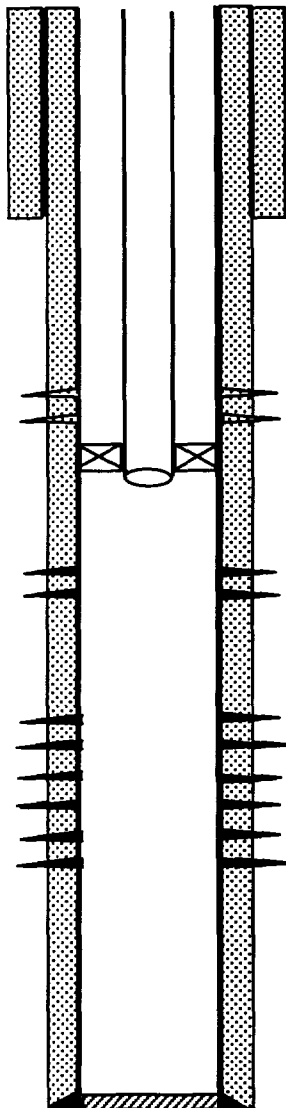
5 1/2" Casing set @ 2329' w/425 sxs cmt. TOC @ surface

TD @ 2329'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #49			FIELD: Red Lake			
LOCATION: 2310' FSL & 1750' FWL "K" of Sec. 4-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3580'			SPUD DATE: 2/10/95		COMP DATE: 5/4/95	
API#: 30-015-28286		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1248'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2329'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1650'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1248' w600 sxs cmt. TOC @ surface

PREMIER PERFORATIONS:

1414'-1424' (squeezed)

2-3/8" IPC tbg set w/ pkr @ +/- 1650'

SAN ANDRES INJECTION INTERVAL:

1724'-1834' (Alpha)

1955'-1994' ("A")

2012'-2076' ("B")

2112'-2140' ("C")

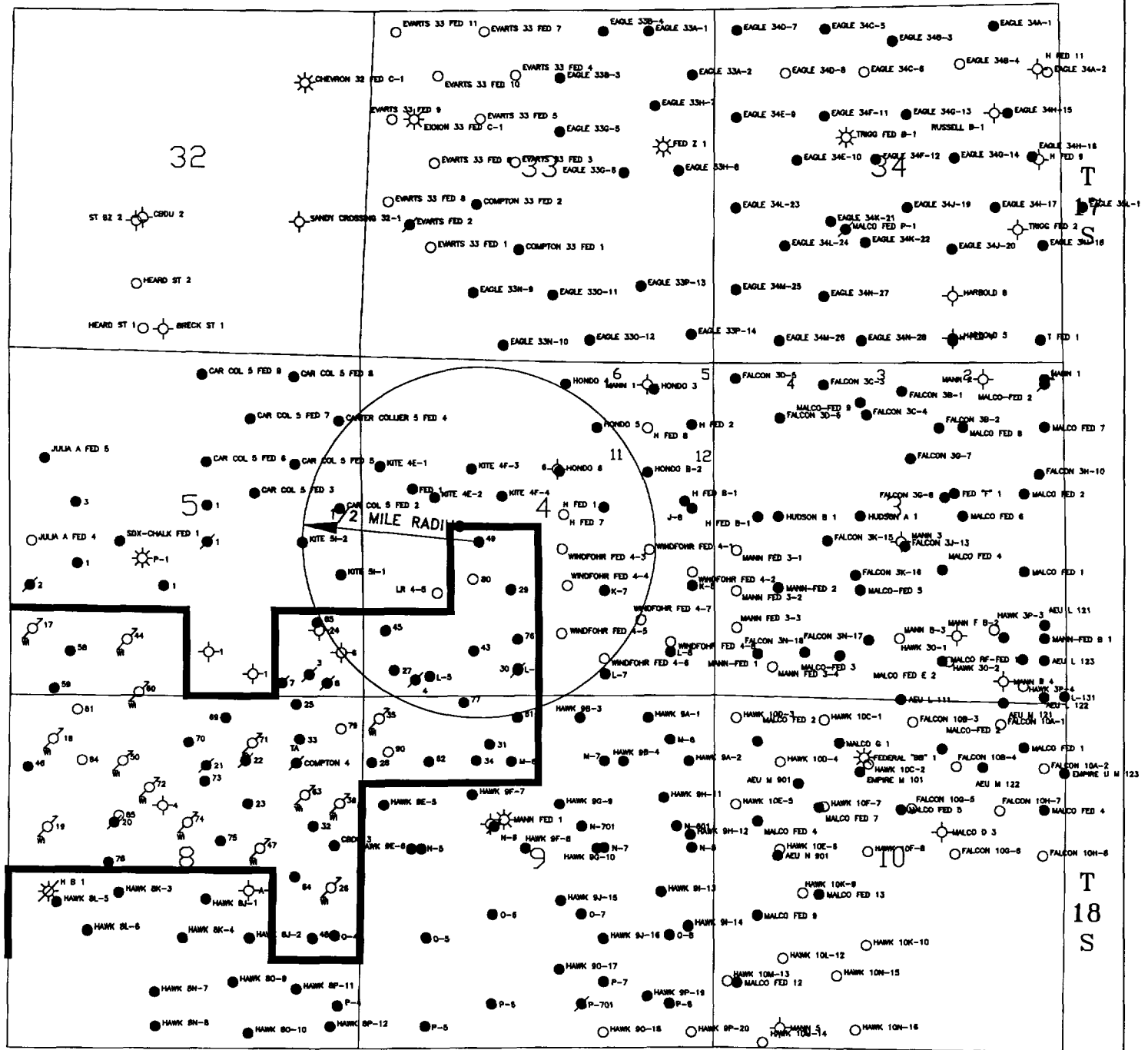
2170'-2180' ("D")

PBTD @ 2272'

5 1/2" Casing set @ 2329' w/425 sxs cmt. TOC @ surface

TD @ 2329'

R 27 E



WRLNJ-49	

WEST RED LAKE AREA
EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #49
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

Scale in Feet
1000 0 1000 2000 3000 4000

EB

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

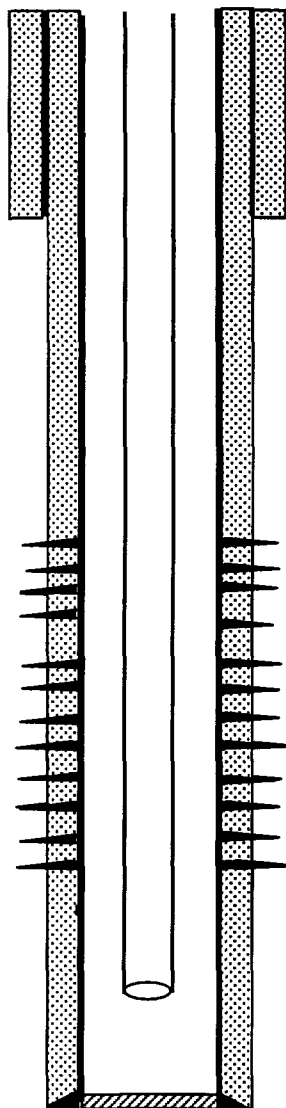
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #61
 330' FNL & 2310' FWL "C"
 Section 9-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 1013' w/500 sxs cmt. TOC surface.
 Production: 5-1/2" 15.5# @ 2400' w/450 sxs cmt, TOC surface.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1725'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1812'-2249'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #61			FIELD: Red Lake			
LOCATION: 330' FNL & 2310' FWL "C" of Sec. 9-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3549'			SPUD DATE: 3/22/96		COMP DATE: 4/13/96	
API#: 30-015-28709		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1013'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2400'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 2256'	2-7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1013' w/ 500 sxs cmt. TOC @ surface

SAN ANDRES PERFORATIONS:

1812'-2249'

2-7/8" Tbg @ 2256'

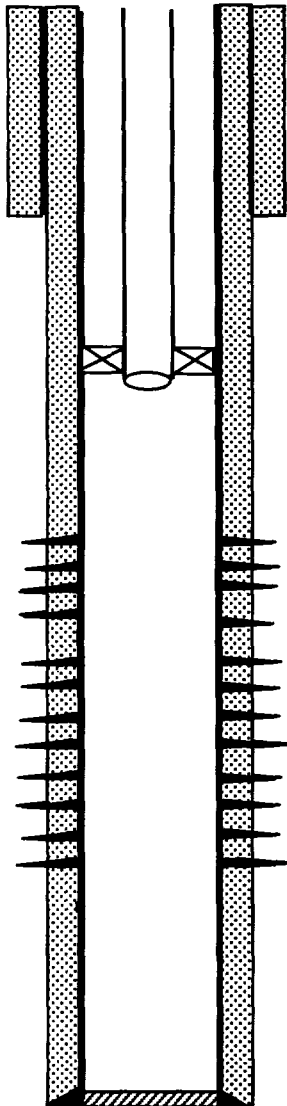
PBTD @ 2361'

5 1/2" Casing set @ 2400' w/450 sxs cmt . TOC @ surface
TD @ 2400'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #61			FIELD: Red Lake			
LOCATION: 330' FNL & 2310' FWL "C" of Sec. 9-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3549'			SPUD DATE: 3/22/96		COMP DATE: 4/13/96	
API#: 30-015-28709		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1013'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2400'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 1725'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1013' w/ 500 sxs cmt. TOC @ surface

2-3/8" IPC tbg set w/ pkr @ +/- 1725'

SAN ANDRES INJECTION INTERVAL:

1812'-2249'

PBTD @ 2361'

5 1/2" Casing set @ 2400' w/450 sxs cmt . TOC @ surface

TD @ 2400'

DEVON ENERGY CORPORATION
APPLICATION FOR AUTHORIZATION TO INJECT

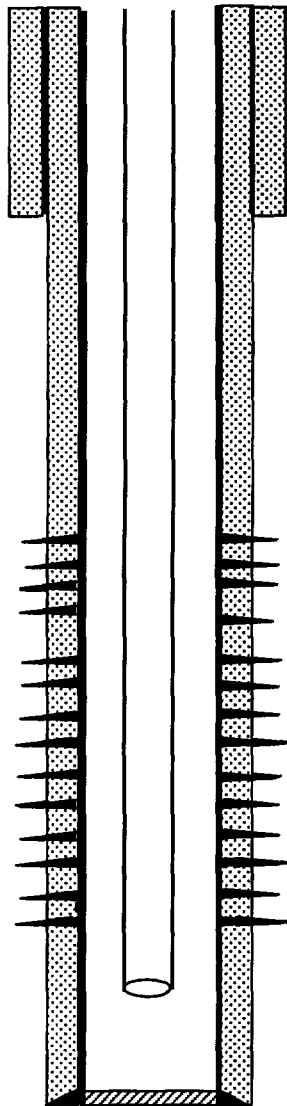
III Proposed Water Injection Well Data (tabular):

- A.**
- (1) West Red Lake #78
 2530' FNL & 1500' FWL "F"
 Section 8-18S-27E
 Eddy County, NM
 - (2) Please refer to the wellbore schematic labeled Attachment III -
 (schematic)
 Surface: 8-5/8" 24# @ 1045' w/600 sxs cmt. TOC surface.
 Production: 5-1/2" 15.5# @ 2199' w/450 sxs cmt, TOC surface.
 (Also see schematic for any existing tubing and/or liner used)
 - (3) Tubing will be 2-3/8" internally coated, set within 100' of the top
 perforation.
 - (4) We will use a 5-1/2" x 2-3/8" plastic coated packer to be set @ +/- 1475'.
- B.**
- (1) The injection formations will be the San Andres in the Red Lake (Q-GB-
 SA) Field.
 - (2) The proposed interval will be approximately 1540'-1949'. The injection
 interval will be through new and existing perforations.
 - (3) This well was originally drilled and completed as an oil well. It produced
 from the (Grayburg/ San Andres) Formations.
 - (4) Please refer to the wellbore schematic labeled Attachment III (schematic)
 for depths of other perforated intervals and detail on the sacks of cement.
 - (5) There are no known lower oil formations.

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #78			FIELD: Red Lake			
LOCATION: 2530' FNL & 1500' FWL "F" of Sec. 8-18S-27E			COUNTY: Eddy			STATE: NM
ELEVATION: GL 3402'			SPUD DATE: 7/10/96		COMP DATE: 8/2/96	
API#: 30-015-29011		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1045'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2199'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - 1999'	2-7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1045' w/ 600 sxs cmt. TOC @ surface

SAN ANDRES PERFORATIONS:

1540'-1949'

2-7/8" Tbg @ 1999'

PBTD @ 2155'

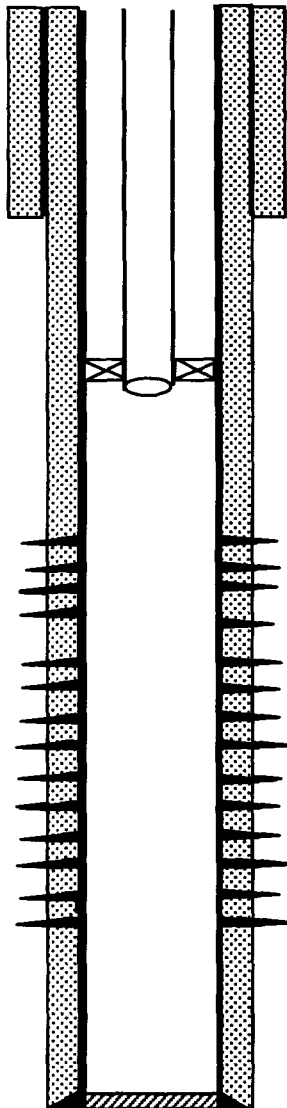
5 1/2" Casing set @ 2199' w/450 sxs cmt. TOC @ surface

TD @ 2200'

DEVON ENERGY CORPORATION - WELLBORE SCHEMATIC

ATTACHMENT III

WELL NAME: West Red Lake #78			FIELD: Red Lake			
LOCATION: 2530' FNL & 1500' FWL "F" of Sec. 8-18S-27E			COUNTY: Eddy		STATE: NM	
ELEVATION: GL 3402'			SPUD DATE: 7/10/96		COMP DATE: 8/2/96	
API#: 30-015-29011		PREPARED BY: T.Rutelonis			DATE: 8/18/98	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1045'	8-5/8"	24#	J-55		12 1/4"
CASING:	0' - 2199'	5 1/2"	15.5#	J-55		7-7/8"
CASING:						
TUBING:	0' - +/- 1475'	2-3/8" IPC				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY CORPORATION

8-5/8" Casing, Set @ 1045' w/ 600 sxs cmt. TOC @ surface

2-3/8" IPC tbg set w/ pkr @ +/- 1475'

SAN ANDRES INJECTION INTERVAL:

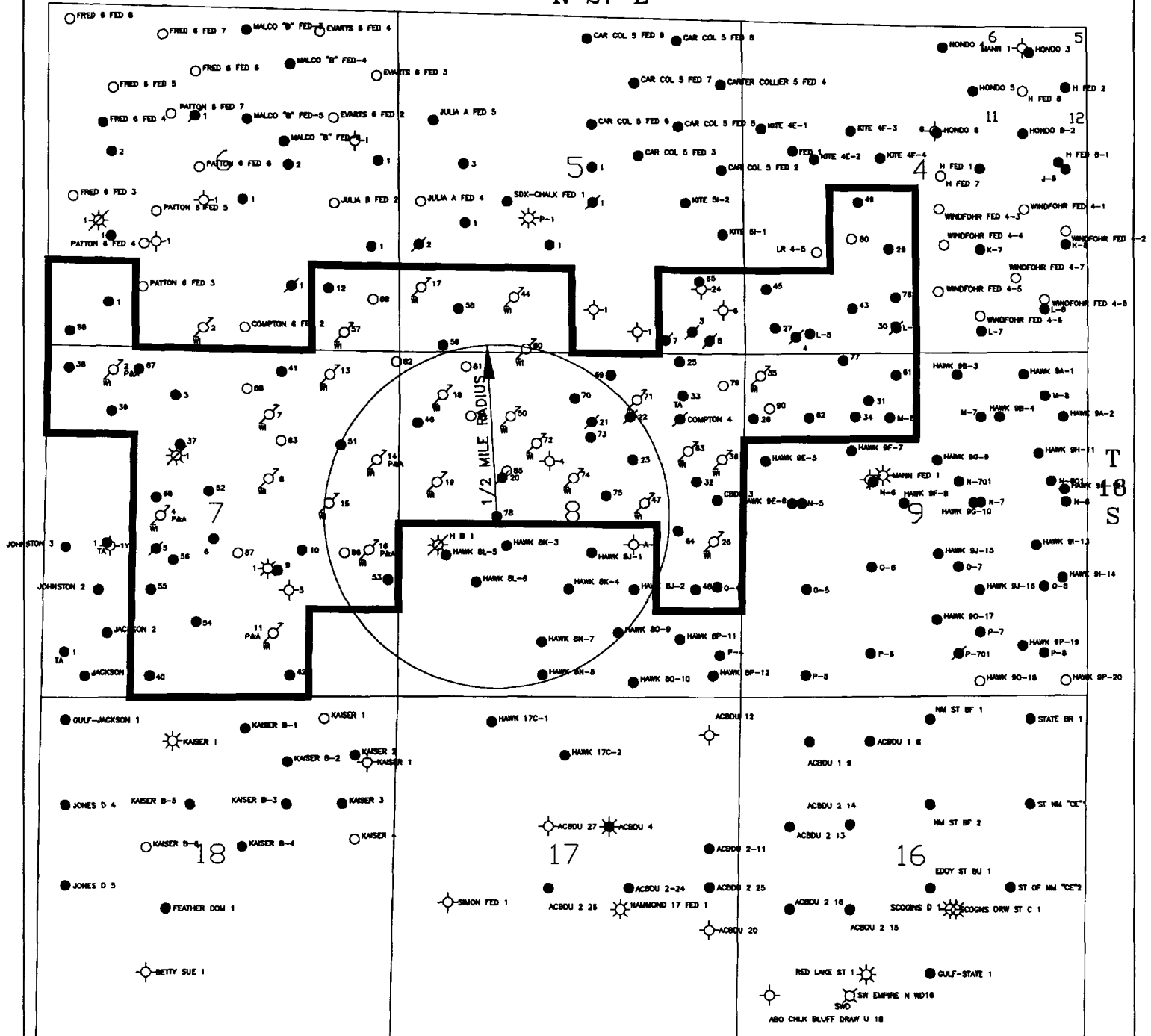
1540'-1949'

PBTD @ 2155'

5 1/2" Casing set @ 2199' w/450 sxs cmt . TOC @ surface

TD @ 2200'

R 27 E



devon

WEST RED LAKE AREA EDDY COUNTY, NEW MEXICO

WEST RED LAKE UNIT #78
WELLS WITHIN 1/2 MILE RADIUS
ATTACHMENT 5

WRLNJ-78

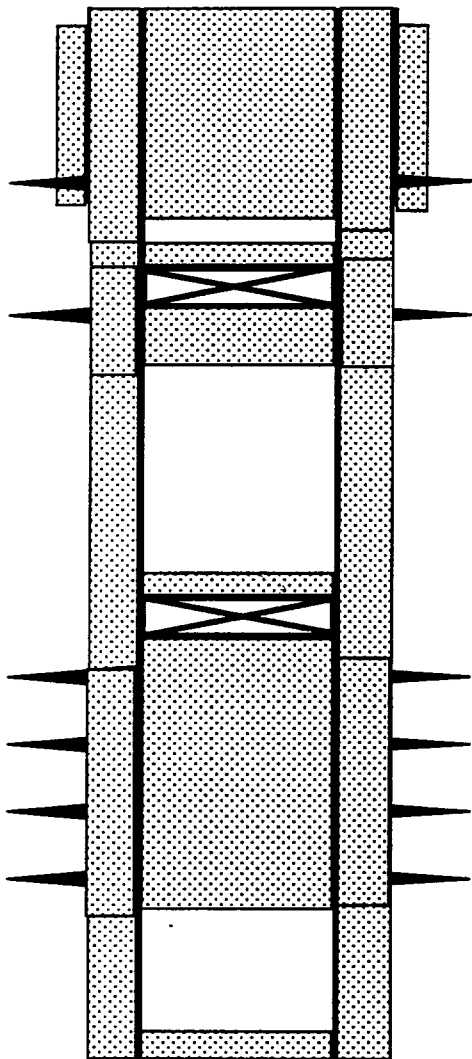
Scale in Feet: 0 1000 2000 3000 4000

EB

11/98

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #2			FIELD: Red Lake			
LOCATION: 330' FNL & 990' FWL, Sec. 7-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3297'			SPUD DATE: 5/21/57		COMP DATE: 6/2/57	
API #: 30-015-00808		PREPARED BY: Karen Byers			DATE: 7/16/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-928'	8 5/8"	24#	J-55		11"
CASING:	0-1800'	5 1/2"	14#			7 7/8"
CASING:						
TUBING:						
TUBING:						



Squeeze perfs @ 895'-96', sqzd w/290 sxs cmt, circ'd.

8 5/8" @ 928' w/350 sxs cmt. TOC @ surface.

Cement retainer @ 1002' w/50' cmt on top.
50 sxs cement 1036'-1044'

Cement retainer @ 1584' w/50' cmt on top.
75 sxs cmt 1616'-1705'

Perforations: All perfs squeezed

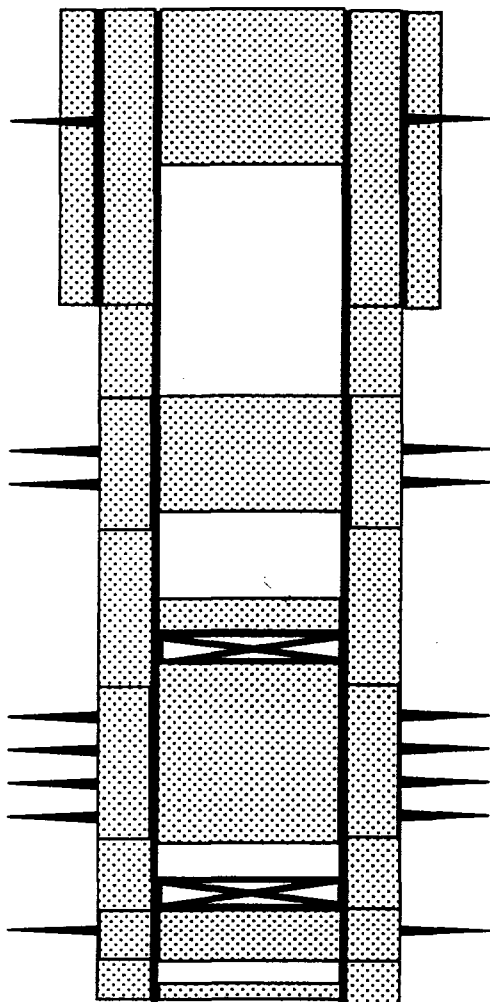
1036'-44' (squeezed w/50 sxs cmt).
1616'-22', 1644'-46', 1656'-60', 1664'-66', 1668'-71',
1688'-92', & 1695'-1704' (squeezed w/75 sxs cmt).

5 1/2" @ 1800' w/200 sxs cmt. TOC @ 894'

TD @ 1801'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #4			FIELD: Red Lake			
LOCATION: 2540' FNL & 1650' FWL, Sec. 7-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3295' DF			SPUD DATE: 6/24/57		COMP DATE: 7/8/57	
API #: 30-015-00810		PREPARED BY: Karen Byers			DATE: 7/16/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-874'	8 5/8"	24#	J-55		11"
CASING:	0-1774'	5 1/2"	14#	J-55		7 7/8"
CASING:						
TUBING:						
TUBING:						



Cement plug from 341' to surface.
Squeeze perms 340' & 341'.

8 5/8" @ 874' w/360 sxs cmt. TOC @ surface.

Cement retainer @ 1497' w/50' cmt on top.

Perforations:

998'-1012', 1030'-34' (squeezed)
1578'-93', 1607'-23', 1629'-35', 1638'-46', 1655'-59'
1664'-67', 1670'-76' (squeezed)
1724'-34' (squeezed)

Cement retainer @ 1703'

5 1/2" @ 1774' w/250 sxs cmt. TOC @ 370' (temp svy).

TD @ 1775'



Devon

ENGINEERING CHART

No well file found.

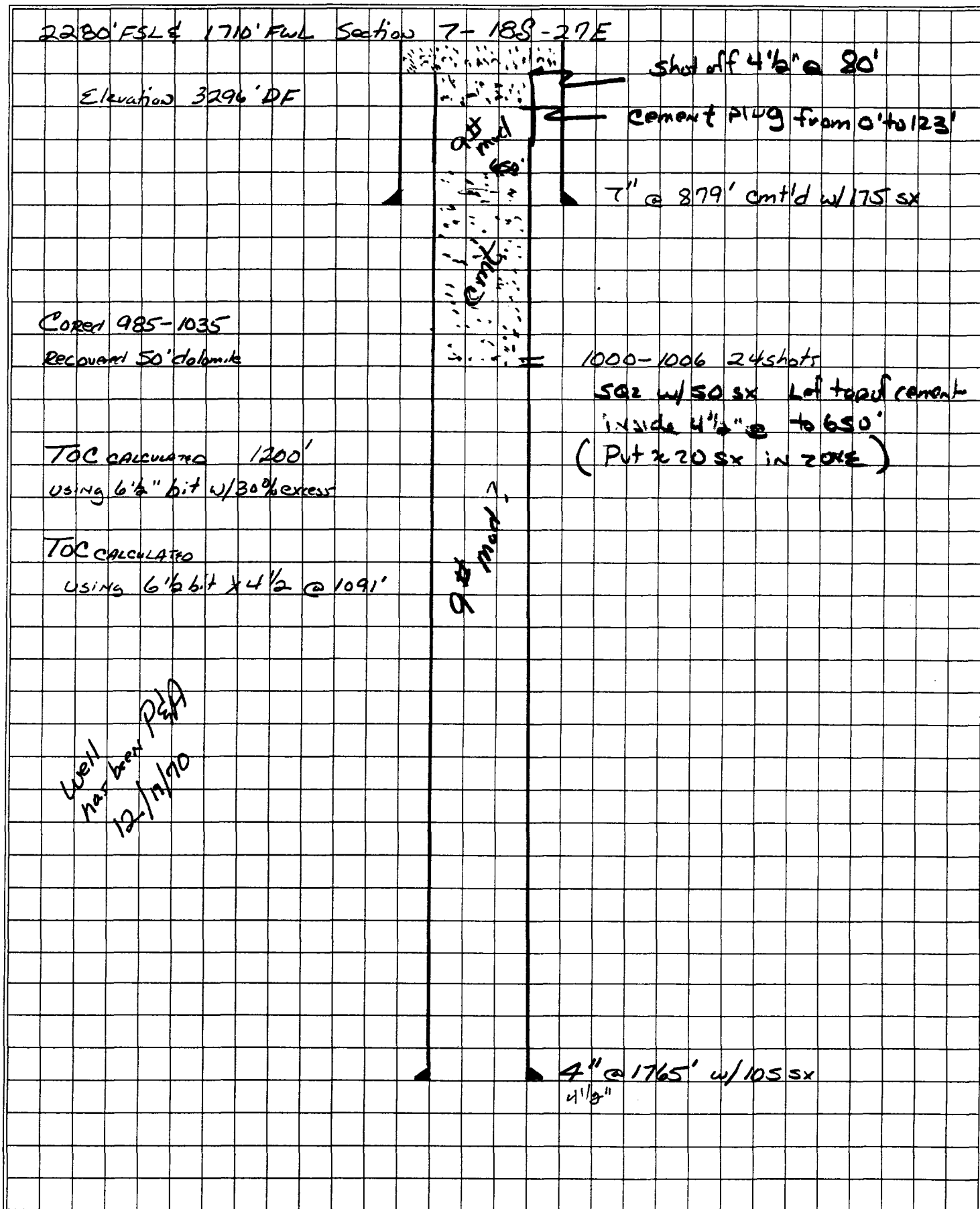
FILE

P&A 12/11/70

DATE 10/12/92

BY L.S. Powell

SUBJECT: WRLU #5 (Wier Drilling Co. - Gilbert #2)



NO. OF COPIES RECEIVED	3
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U.S.G.S.	
LAND OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO STOPPER OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER- Shut in	7. Unit Agreement Name West Red Lake Unit
2. Name of Operator Atlantic Richfield Company	8. Form or Lease Name West Red Lake Unit
3. Address of Operator P. O. Box 1978, Roswell, New Mexico 88201	9. Well No. 5
4. Location of Well UNIT LETTER <u>K</u> <u>2280</u> FEET FROM THE <u>South</u> LINE AND <u>1710</u> FEET FROM THE <u>West</u> LINE, SECTION <u>7</u> TOWNSHIP <u>18-S</u> RANGE <u>27-E</u> NMPM.	10. Field and Pool, or Wildcat Red Lake-San Andres
15. Elevation (Show whether DF, RT, CR, etc.) 3289' GR	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work; SEE RULE 1703.

We purchased this well from Weier Drilling Company in 1965 and the well has been shut in prior to that time. The 4½" casing is in a junk condition opposite the Metex perforations from 1000-1006'. We propose to plug & abandon by setting a 20 sack cement plug from about 1000' to 800'; making a manual back off of the 4½" casing; place 20 sx cement in top of the well and erecting a dry hole marker. The 7" surface casing will remain intact. Location will be cleared and levelled.

Note: Top of cement behind 4½" casing @ 630' by temperature survey.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED D.D. Lutzke TITLE Dist. Drig. Supervisor DATE 12-1-70

APPROVED BY W.A. Gussert TITLE OIL AND GAS INSPECTION DATE DEC 3 1970

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

3a. Indicate Type of Lease
State ☐ Fee ☒
3. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☐ OTHER- P & A	7. Unit Agreement Name West Red Lake Unit
2. Name of Operator Atlantic Richfield Company	8. Form or Lease Name West Red Lake Unit
3. Address of Operator P. O. Box 1978, Roswell, New Mexico 88201	9. Well No. 5
4. Location of Well UNIT LETTER K 2280 FEET FROM THE South LINE AND 1710 FEET FROM THE West LINE, SECTION 7 TOWNSHIP 18-S RANGE 27-E NMPM.	10. Field and Pool, or Wildcat Red Lake-San Andre
15. Elevation (Show whether DF, RT, GR, etc.) 3289' GR	12. County Eddy

18. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPWS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

This well has been plugged & abandoned in the following manner:
Squeezed 4½" casing w/50 sx Class "A" cement. Shot off 4½" casing @ 80'. Set 18 sk Class "A" cement plug from surface to 123'. Erected dry hole marker. 7" casing remains intact. 9#/gal gel mud was used to spot all plugs. Well plugged & abandoned 12/17/70. Displaced cement in 4½" casing to 650'.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u><i>A.D. Switzer</i></u>	TITLE District Drilling Supervisor	DATE 12/23/70
APPROVED BY <u><i>D. J. Lawrence</i></u>	TITLE OIL AND GAS INSPECTOR	DATE JUN 1 1971
CONDITIONS OF APPROVAL, IF ANY:		

WRLU #5

Co. EDDY POOL UNDESIGNATED STATE N.M. KROENLEIN 1606-57

COMPANY Wier Drig. Co. - #2 - Gilbert ELEV. 3296 DF

Loc. 2280'PSL & 1710'FWL
Sec. 7, T.18-S, R. 27-E
-1775'

ACID OR SHOT	CASING RECORD		TOPS	
500 gals. acid (total)	7	- 879- 175	S.A.	1030-?
6000 SP/1000-06	4	-1765- 105	Motec	1000
SPD. 7-29-57	COMP. 8-17-57			
I. P. P. 52 BOPD, 1/4" ch.				
GR. 42. GOR - TP - CP -			TP	1000
			TD	1765 dolo.
REMARKS				
Core 985-1035 rec. 50' dolo. w/SSOAG.				
Perf. 24/1000-06; A-250 gals.				

~~Not spotted~~

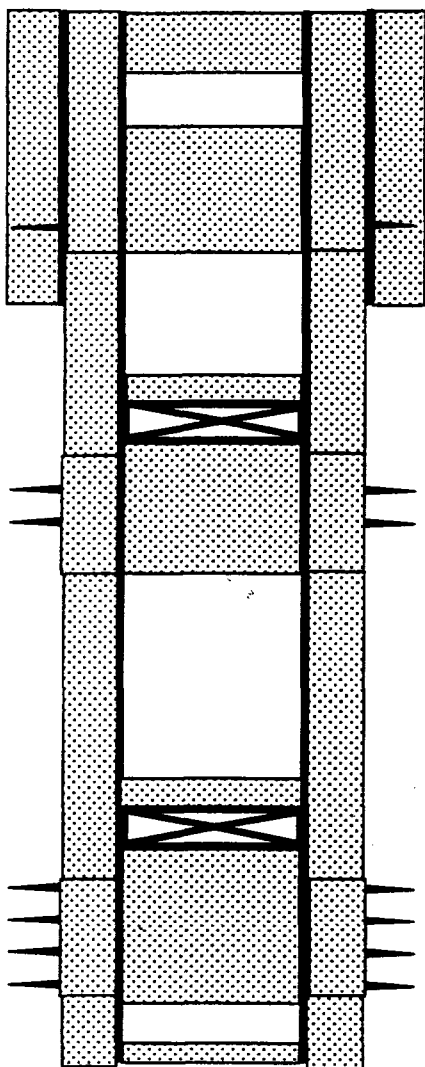
2
6.5 she
1000 gals

AC
1000

VI Plugged Abandoned Wells

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #11			FIELD: Red Lake			
LOCATION: 1980' FEL & 990' FSL, Sec. 7-17S-31E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3292' GL			SPUD DATE: 12/3/57		COMP DATE: 12/11/57	
API #: 30-015-		PREPARED BY: Karen Byers			DATE: 7/17/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-863'	7"	20#	J-55		8 3/4"
CASING:	0-1772'	4 1/2"	9.5 & 10.5#	J-55		6 1/4"
CASING:						
TUBING:						
TUBING:						



10 sk cement plug to surface.

Squeeze perfs @ 724'-25', squeezed w/115 sxs cement.

8 5/8" @ 863' w/225 sxs cmt. TOC @ surface.

Cement retainer @ 980' w/50' cmt on top.
Squeezed 1038'-1047' w/40 sxs cmt.

Cement retainer @ 1617' w/50' cmt on top.
Squeezed 1642'-1737' w/60 sxs cmt.

Perforations:

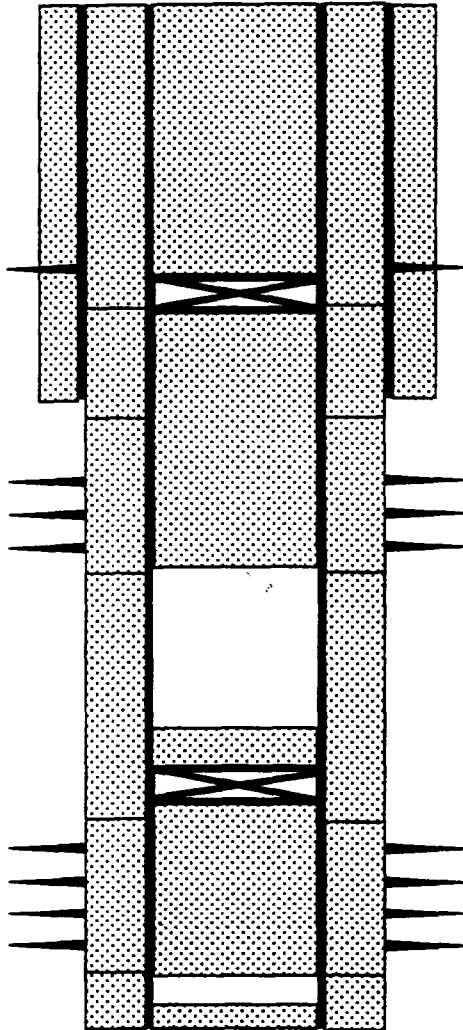
1038'-1047' (squeezed)
1642'-1650', 1666'-1670, 1674'-1680' (squeezed)
1729'-1737' (squeezed)

4 1/2" @ 1772' w/115 sxs cmt. TOC @ 744' (CBL).

TD @ 1772'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #14			FIELD: Red Lake			
LOCATION: 1650' FNL & 330' FEL, Sec. 7-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3348' (top of 7" csg collar)			SPUD DATE: 11/?/52		COMP DATE: 11/?/52	
API #: 30-015-00803		PREPARED BY: Karen Byers			DATE: 7/29/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-1011'	7"	20#			
CASING:	0-1751'	4 1/2"	9.5#			
CASING:						
TUBING:						
TUBING:						



Squeeze perms @ 959'-960', squeezed, circ'd cmt to surf.

Cement retainer @ 961'.

Squeezed 1057'-1096' w/35 sxs cement.

7" @ 1011' w/75 sxs cmt. TOC @ surface (calc).

Cement retainer @ 1496' w/5 sxs cmt on top.

Squeezed 1664'-1720' w/115 sxs cement.

Perforations

959'-960 (squeeze perms)

1057'-60', 1068'-70', 1074'-75' & 1091'-96' (squeezed)

1664'-68', 1672'-75', 1681'-83', 1690'-1710'

& 1714'-1720' (squeezed)

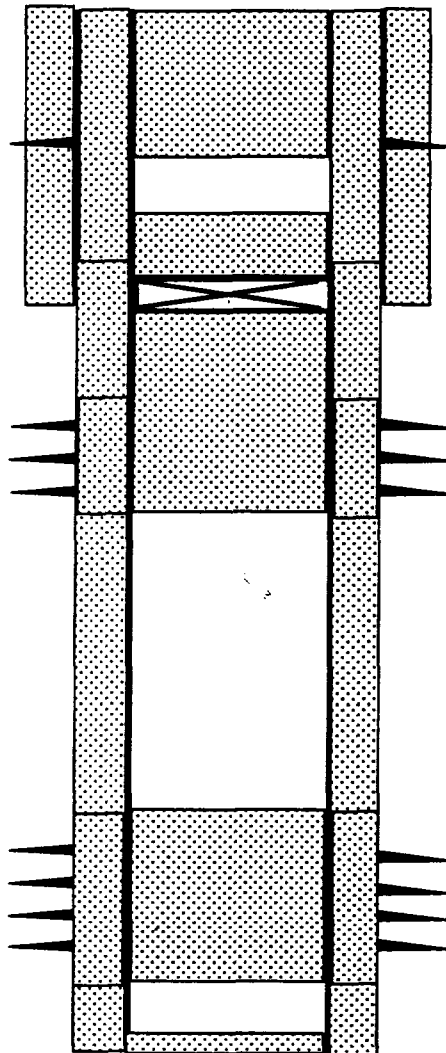
4 1/2" @ 1751' w/80 sxs. TOC @ 972' (CBL).

TD @ 1750'

VI Plugged Abandoned Wells

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #16			FIELD: Red Lake			
LOCATION: 2240' FWL & 400' FEL, Sec. 7-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3367' DF			SPUD DATE: 6/17/57		COMP DATE: 7/29/57	
API #: 30-015-		PREPARED BY: KAREN BYERS			DATE: 7/22/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-925'	8 5/8"	24#		8RD	
CASING:	0-1820'	5 1/2"	14#		8RD	
CASING:						
TUBING:						
TUBING:						



Squeeze perms @ 493', pumped 125 sxs cmt, circ'd.

Cmt retainer @ 881' w/30 sxs on top.
Squeezed 1090'-1124' w/50 sxs cement.

8 5/8" @ 925' w/ 300 sxs. TOC @ surface.

Perforations:

1090'-1092', 1097'-1099', 1102'-1103', 1121'-1124'
1683'-1693', 1716'-1722', 1728'-1738', 1743'-1752',
1760'-1766', 1768'-1774'

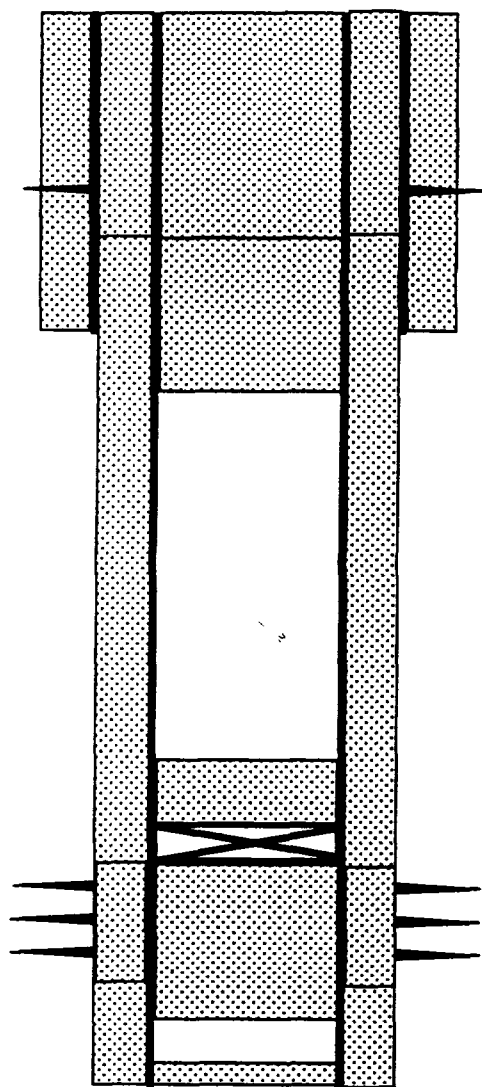
Squeezed 1683'-1774' w/150 sxs cement.

5 1/2" @ 1820' w/225 sxs cmt. TOC @ 830'.

TD @ 1825'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #20			FIELD: Red Lake			
LOCATION: 1930' FNL & 1650' FWL, Sec. 8-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3376' DF			SPUD DATE: 9/1/57		COMP DATE: 9/26/57	
API #: 30-015-00827		PREPARED BY: Karen Byers			DATE: 7/29/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-925'	8 5/8"	24#	J-55		
CASING:	0-1794'	5 1/2"	14#	J-55		
CASING:						
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

8 5/8" @ 925' w/330 sxs. TOC @ surface.

Cement plug 535'-957'

Cement retainer @ 1629' w/59' cmt on top.

Perforations:

500' (squeeze perms)

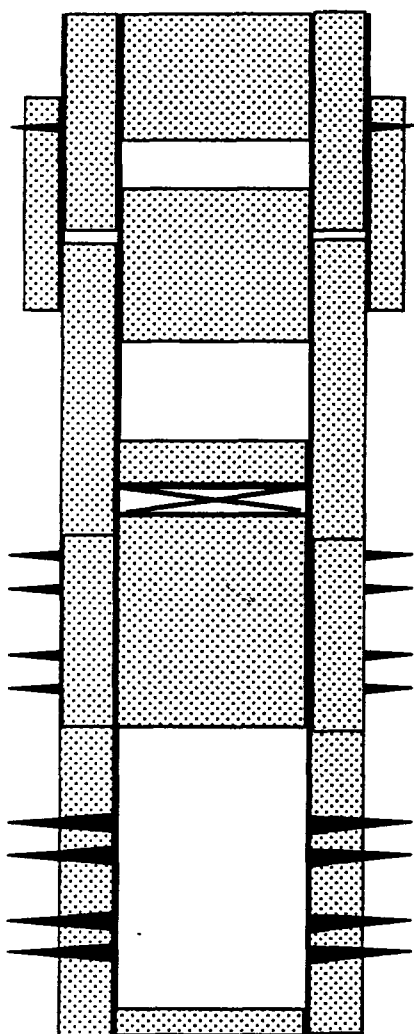
1683', 1702'-12', 1722'-32', 1760' & 1779' (squeezed)

5 1/2" @ 1794' w/250 sxs. TOC @ 550' (temp svy).

TD @ 1794'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #21			FIELD: Red Lake			
LOCATION: 990' FNL & 2310' FEL, Sec. 8-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: 3400' DF			SPUD DATE: 2/1/54		COMP DATE: 3/17/54	
API #: 30-015-		PREPARED BY: KAREN BYERS			DATE: 7/22/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-1041'	7"	20#			
CASING:	0-2875'	4 1/2"	9.5#			
CASING:						
TUBING:						
TUBING:						



Squeeze perms @ 520', sqz'd 520' - surface w/225 sxs.

Cement plug 535'-1090' w/50 sxs cement.

7" @ 1041' W/50 sxs cmt. TOC @ 564' (calc)

Original TD @ 1170'

Cement retainer @ 1699' w/60' cmt on top.

Squeezed 1761'-1898 w/100 sx cmt.

Perforations:

520' (squeezed perms)

1761'-64', 1798'-1804', 1818'-26', 1856'-62', 1864'-67'

1874'-98' (squeezed)

2668'-85'

2849'-55' (may have been squeezed).

4 1/2" 9.5# @ 2875' w/150 sxs cmt. TOC @ 493'

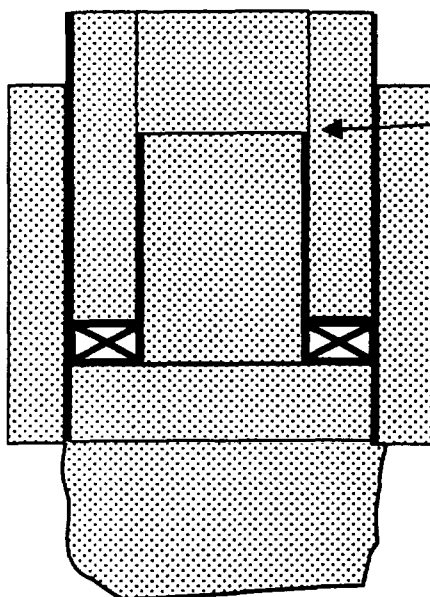
(temp svy)

TD @ 3005'

VI Plugged Abandoned Wells

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: WEST RED LAKE UNIT #22			FIELD: Red Lake			
LOCATION: 986' FNL & 1648' FEL, Sec. 8-18S-27E			COUNTY: Eddy County			STATE: NM
ELEVATION: Unknown			SPUD DATE: 11/6/48		COMP DATE: 12/1/48	
API #: 30-015-00832		PREPARED BY: Karen Byers			DATE: 7/29/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-1136'	7"	20#			
CASING:	0-1068'	5 1/2"	15.5#			
CASING:						
TUBING:						
TUBING:						



5 1/2" csg top @ +/- 620'

Cemented 1108' - surface w/200 sxs.

5 1/2" @ 1068' on pkr inside 7" csg.

7" @ 1136' w/75 sxs. Collapsed @ 743'.

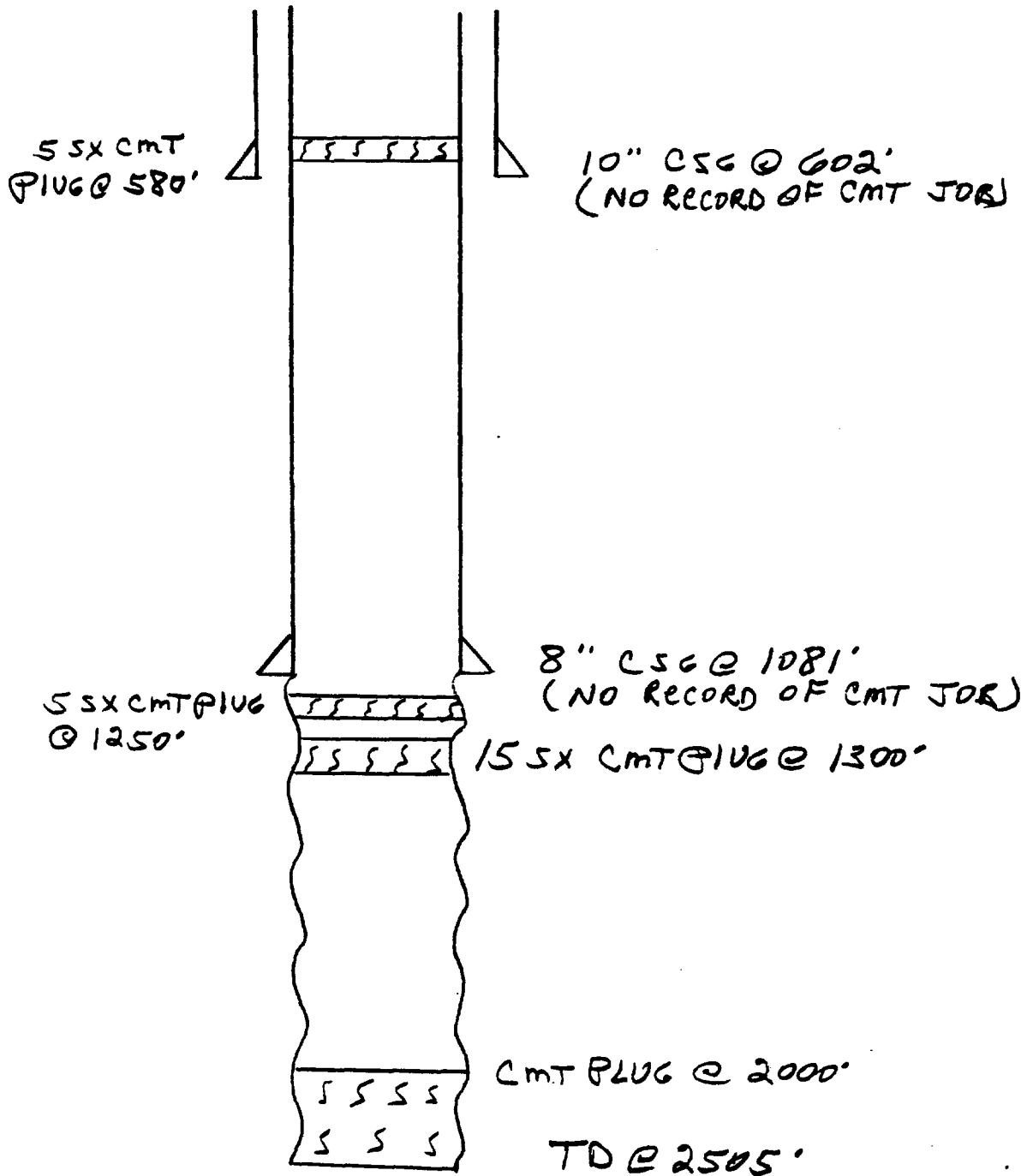
Cemented 1192'-1108' w/50 sxs.

TD @ 1200'

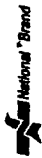
ATTACHMENT VI
 P & A WELLS WITHIN AREA OF REVIEW
 DEVON ENERGY CORP.
 WEST RED LAKE WATERFLOOD PROJECT

COMPTON #4

990' FSL & 660' FEL
 SEC. 5-T185-R 27E



13 782 500 SHEETS FULLER 5 SQUARE
 42 381 50 SHEETS FULLER 5 SQUARE
 42 382 100 SHEETS FULLER 5 SQUARE
 42 383 100 SHEETS FULLER 5 SQUARE
 42 384 100 SHEETS FULLER 5 SQUARE
 42 385 100 SHEETS FULLER 5 SQUARE
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 42 387 100 SHEETS FULLER 5 SQUARE
 42 388 100 SHEETS FULLER 5 SQUARE
 42 389 100 SHEETS FULLER 5 SQUARE
 42 390 200 SHEETS FULLER 5 SQUARE
 Map 101 S.A.



P&A'd Before Atlantic Tank operations 12/64

Devon

ENGINEERING CHART

SHEET NO.

OF

FILE

DATE

10/26/92

BY

LSPowell

SUBJECT: WRLU #24 (Compton Federal #4)

NO FILE TO SPEAK OF

Well is P&A per form

Original operator RD Compton Oil Co.

Scout ticked into

10" @ 602'

8" @ 1081

5 5/8" @ 1287

TD 2305'

Test'd 32 BF 40% wtr cut

(ARTESIA)

OPERATOR: HONDU OIL & GAS CO.

WELL: WEST REDLAKE UNIT #24

LOCATION: 990' FSL & 660' FEL SEC. 5 18S-27E

ELEV. 3492'

TD. 2505'

PPSD.

CASING			SHOWS	
SIZE	DEPTH	CEMENT	OIL/GAS	WTR
10"	602'		1908' SO. BEN LM	
8"	1081'		1912'-21' INCR OIL	
5 5/8"	1287'		IN BEN LM	2011' 2 BAILEYS SALT WTR/H2 FROM GEL LM

COMPLETION NOTES: TSTD 32 BF 40% WTR

P & A.

ORIGINALLY RD. COMPTON . . . OIL WELL DEEPEINED 1933

WORKOVER INFO:

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU.S. Land Office LAS CRUCESLEASE
Serial Number 026874 - A
Lease or Permit.....

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT RECORD OF SHOOTING.....
NOTICE OF INTENTION TO CHANGE PLANS.....	RECORD OF PERFORATING CASING.....
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....	NOTICE OF INTENTION TO ABANDON WELL.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO SHOOT.....	SUPPLEMENTARY WELL HISTORY.....

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

12/8/333., 192Following is a notice of intention to do work on land under lease described as follows:
report of work done

New Mexico Edray "Compton"
(State or Territory) (County or Subdivision) (Field)
Well No. 4 SE-5 135 27E N.E.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 990 ft. N of S line and 360 ft. E of T line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

TD 2505

Well was cemented at 2000 Ft. then filled with mud to 1300 Ft. and cement bridge was made with 10 sacks of cement and did not hold, so was cemented again with 15 sacks of cement, this time was a good job. Then the 6-5/8 casing was raised to 1850 and a bridge was made at that point and again cemented with 5 sacks of cement, then casing was pulled from the well and hole filled with mud to 580 Ft. and five sacks of cement was placed at that depth. Filled to surface with mud and a cement (Regulation) marker cemented in ground and allowed to raise 5 Ft. from the surface.

Inspected by T. G. Taylor on December 13, 1933.

Approved December 13, 1933.
(Date)
Supervisor Oil & Gas Operations
T. G. Taylor
Title By T. G. Taylor, Engineer
GEOLOGICAL SURVEY
Address Roswell, New Mexico.

Company Edray Compton Oil Co.
By Edray Compton
Title President
Address Edray Compton

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

GEOLOGICAL SURVEY 9-7053

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSerial Number 026874
Lease or Permit LEASE

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS		RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF		NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	☒	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT		SUPPLEMENTARY WELL HISTORY	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

NOVEMBER 30, 1922Following is a notice of intention to do work on land under lease described as follows:

NEW MEXICO EDDY COMPTON
(State or Territory) (County or Subdivision) (Field)

Well No. 4 SESE 5 18 S. 27 E. N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 990 ft. N of S line and 660 ft. E of E line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

Well was drilled to 1277' and bottom water was encountered.
Expect to drill 50% more hole then under the 6-5/8 casing,
to shut off water, then drill on to production at about 1800
to 2100'

Approved November 3, 1922 See conditions
(Date) on reverse side.
J. W. Steele J. W. SteeleTitle Deputy Supervisor
GEOLOGICAL SURVEYAddress Roswell, N. Mex.Company R. D. Compton Oil Co. Inc.By R. D. ComptonTitle President.Address Artesia, New Mexico.

NOTE—Reports on this form to be submitted in triplicate to the Supervisor for approval.

GEOLOGICAL SURVEY OFFICE 9-7053

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
 SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

Casing Record:

10" - 602
 8" - 1081
 5 5/8" - 1287

I. P. P. & A.
 32 Bbls. of fluid,
 40% water

New Mexico
 Eddy County
 R. D. Compton (Old Well Deepened.)
 Brainard Well #4
 Sec. 5 T.18S R.27E
 990' S-L & 660' E-L,
 Elevation: 3492 L-S
 Commenced: 7-27-31
 Completed: 12-4-33

Formation	Bottom	Formation	Bottom
Soil	7	Gypsum	800
White gravel	12	Gypsum and brown shale	835
Red beds	45	Gypsum	870
Blue shale	50	Gypsum and red beds	900
Red beds	80	Gray sand 1 bailer water per	
Gypsum	130	hours 900-23	923
Red beds	135	Gray brown shale increase water	930
Brown shale	150	Gypsum and brown shale	940
Gypsum	195	Sandy blue shale	951
Shale little water	200	Sandy brown shale	990
Gypsum	220	Red sand	1015
Gypsum and blue shale	300	Limestone	1020
Gypsum	325	White shale (2 bailers artesian	
Blue shale	340	water)	1034
Brown shale and gypsum	350	Gray lime	1060
Brown shale	375	Brown lime	1065
Gypsum	415	Gray lime hard	1070
Gypsum	425	Gray lime	1163
Brown shale	435	Dry sand	1174
Gypsum	450	Sandy brown lime	1182
Gypsum and blue shale	465	Gray lime sandy	1217
Brown shale	470	Hard lime	1220
Gypsum and brown shale	496	Gray lime	1260
Gypsum	505	Hard gray lime	1270
Red beds	515	Dry sand	1273
Gypsum and red beds	590	Gray lime	1274
Hard gypsum	610	Oil sand	1277
Gypsum	615	Sandy lime water 77-78	
Red beds	635	Plugged back 1277 with 75	
Gypsum	690	pounds lead wool.	1278
Red sand	705	Blank -- no record	1278-1300
Gypsum and brown shale	725	White lime	1300-1365
Gray gypsum and shale	755	Gray lime	1368
Gray shale	765	Brown lime	1372
Gray shale	773	Gray lime	1380
Gypsum	790	White lime	1435
Brown shale	793	White lime shells	1446

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

- 2 -

R. D. Compton (Old Well Deepened.) / Brainard #4

Formation	Bottom	Formation	Bottom
White lime	1460	Sharp brown lime	2110
Gray lime	1480	Gray lime	2145
Brown lime shells 1503-05	1505	Brown lime, dark	2197
White lime	1512	Gray lime, dark	2238
White lime	1527	Brown lime, light	2293
Gray lime, 39 white, 54 gray lime, 62 gray and white lime, 72 gray lime, 94 brown lime, little gas, 1594-99	1537	Brown lime, dark	2354
Gray lime	1599	Brown and gray lime	2362
Brown lime show of oil 1605	1618	Brown lime	2398
Dark brown lime	1623	Gray lime, dark	2464
Brown lime	1635	Brown lime, dark	2498
Hard brown lime	1638	Gray lime	T. D. 2505
Brown and gray lime	1650		
Brown lime	1700		
Dark brown lime short shells 1710	1715		
Brown lime	1738		
Sandy brown lime	1752		
Brown lime	1803		
Brown sandy lime	1885		
Gray lime	1892		
Brown lime	1908		
Brown lime, little sand, show oil 1908	1912		
Brown lime increase oil 1912-21	1932		
Gray lime	1948		
Brown lime	1951		
Gray lime	1973		
Light gray lime	1981		
Gray lime, 2 bailer salt water per hour	2011		
Yellow lime	2030		
Brown lime	2035		
Brown gray lime	2042		
Brown lime	2054		
Gray lime	2059		
Brown lime	2064		
Light brown lime	2076		
Brown lime	2090		
Brown sandy lime	2091		
Gray sandy lime	2101		
Brown lime	2104		

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSerial Number 026874-a
Lease or Permit LEASE

MAR 7 1932

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	☒	SUBSEQUENT RECORD OF SHOOTING.....
NOTICE OF INTENTION TO CHANGE PLANS.....		RECORD OF PERFORATING CASING.....
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING.....
REPORT ON RESULT OF TEST OF WATER SHUT-OFF.....		NOTICE OF INTENTION TO ABANDON WELL.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO SHOOT.....		SUPPLEMENTARY WELL HISTORY.....

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

MARCH 7, 1932

Following is a notice of intention to do work on land under lease described as follows:

NEW MEXICO EDDY "COMPTON" POOL.
(State or Territory) (County or Subdivision) (Field)
Well No. 4 5 18S. 27E. N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

The well is located 990 ft. N of S line and 660 ft. E of E line of sec. 5.

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

WELL WAS DRILLED FOR A WATER WELL TO BELOW THE 2nd. ARTESIAN WATER SAND.
6-5/8 CASING SET AND MUDDIED AT DEPTH OF 1210' HOLE DRY.
WANT TO DRILL ON TO PRODUCTION AT ABOUT 1260'
IF NO COMMERCIAL PRODUCTION AT THAT DEPTH, WILL GET NEXT PAY AT 2000' TO 2290'.
LEASE WAS MAILED OUT FROM WASHINGTON FEBRUARY 26-1932 AND RECEIVED BY ME ON MARCH 5th. 1932.

Approved March 7, 1932
J. M. Steele
Title Deputy Supervisor
GEOLOGICAL SURVEY

Company R. D. COMPTON OIL CO. INC.
By R. D. Compton
Title PRESIDENT

Address Roswell, New Mexico

Address _____

NOTE—Reports on this form to be submitted in triplicate to the Supervisor for approval.

GEOLOGICAL SURVEY FORM 9-7643

petroROM Well Report
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----- General Information -----

State	: NMEX	Final Status	: D&AW
County	: EDDY	Total Depth	: 2500
Field	:	Spud Date YYYYMMDD:	19330215
Operator Name	: COMPTON R D	Comp Date YYYYMMDD:	19330629
Well Number	: 4	Hole Direction	: VERTICAL
Lease Name	: BRAINARD		
API Number	: 30015007830001		
Section or Equiv	: SEC 5	Init Lahee Class	: D D
Township	: S018	Final Lahee Class:	D
Range	: E027	Permit Number	:
Spot	:	Elevation	: 00000 ()
Base Meridian	: NEW MEXICO (21)		
Geologic Province:	PERMIAN BASIN		
Formation at TD	:		
Oldest Age Pen	:		

Producing Formation:

----- Additional Location Information -----

Footage Location : 990FSL 660FEL SEC LN
Location Narrative:

Latitude	: 32.77213	Latitude (Bot)	:
Longitude	: 104.29338	Longitude (Bot)	:

Latitude & Longitude Source: USGS

----- Formation Tests -----

Test Type Form	Top	Hydrostatic		Flowing		Shut In		Open Cush	
		Base	Init.	Final	Init.	Final	Init.	Final	Time Amt
0001 DST	2006	2011							1H

Test Amount	Unit	Desc	Pipe Recovery		
			Amount	Unit	Desc
0001		W			

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

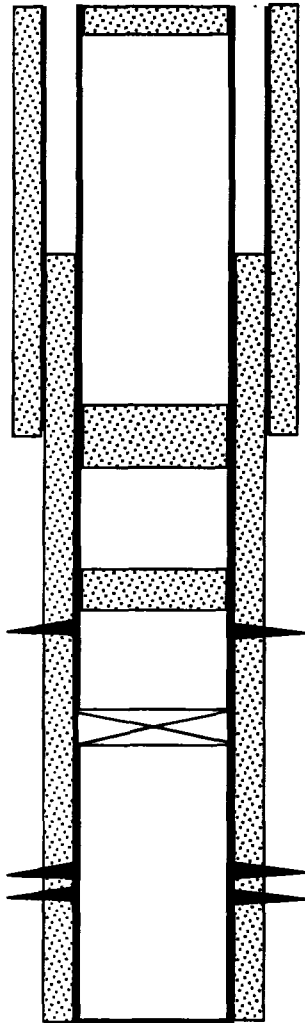
----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

Date	Remarks
------	---------

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Compton Federal #1				FIELD: Red Lake		
LOCATION: 990' FSL & 16560' FEL, Sec. 6-18S-27E				COUNTY: Eddy	STATE: NM	
ELEVATION: 3420' GR				SPUD DATE: 1/7/57	COMP DATE: 2/1/57	
API #: 30-015-00798		PREPARED BY: T. Rutelonis			DATE: 11/23/98	
SIZE	WEIGHT	GRADE	THREAD	DEPTH	TOC	CEMENT TYPE
8-5/8"	32#			1264'		416 sx
5-1/2"	14#			2427'		233 sx



Operator: Devon Energy Corporation

Well P&A 1/96

15 sx cmt plug from 53-3'

8-5/8" 32# csg @ 1264' cmt'd w/ 416 sx, TOC @ surface.

20 sx cmt plug from 1349'-1179'.

20 sx cmt plug from 1750'-1580' and hole loaded w/ 9.5# mud.

Perfs 1770'-1815'

BP set @ 1856'

Perfs 2213'-2263' (isolated by BP)

Perfs 2364'-2401' (isolated by BP)

5-1/2" 14# csg @ 2427' cmt'd w/ 233 sx cmt, TOC @ $\pm$ 830' (temp. survey).

TD: 2637', PBD: 1856' (bridge plug)

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Brownair #1

Location: Section 5 - 18S-27E (330' FSC + 1650' FEZ)

Operator (at time of plugging): AW Adkins

Date Plugged: 6/32

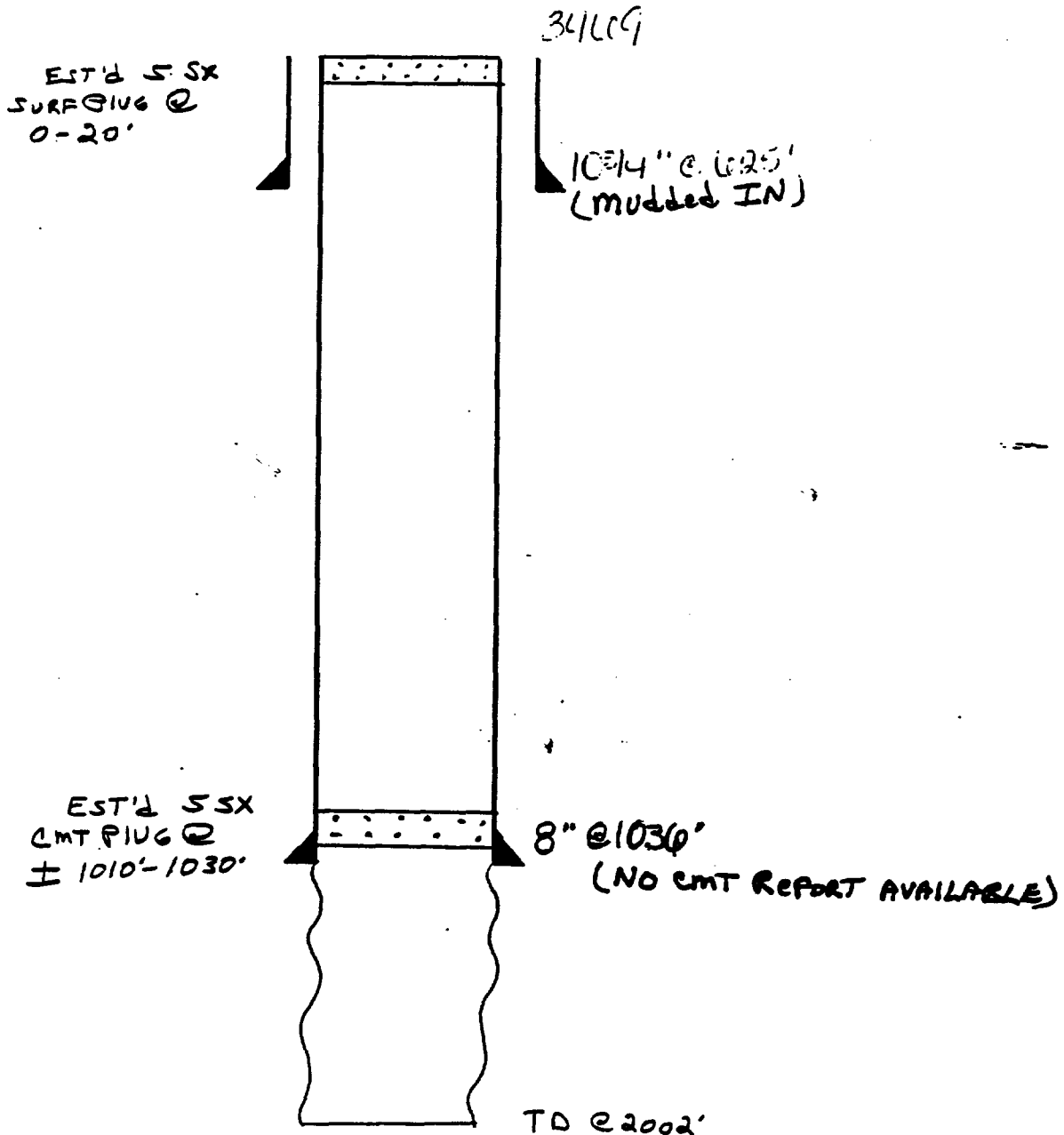
Information Obtained From: Soil Report UIM, PI CD RCM

Comments:

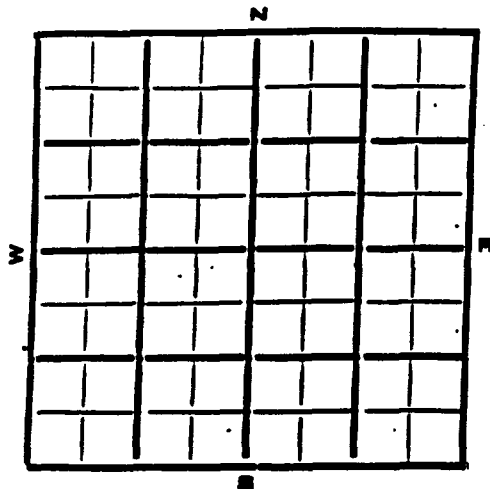
Spill 9-27-32. Gg set 1025' and 1031'

All cmt. volumes given. No plugging into
circumference. See Attached. (Drilled + Abandoned
Well)

Downhole Schematic:



SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION



Company A. W. Adkinson
 Farm Name Brainard Well No. 1
 Land Classification Government
 Sec. 5 Twp. 18 Range 27 County Eddy
 Feet from Line: N. 330 S. 1650 E.
 Elevation 3469 Method Cable
 Contractor Scout
 Spudded 9-27-32 Completed Initial Production
 Bond Status

Amount Casing and Cementing Record			
SIZE	FEET	INCHES	BAR CEMENT
10 3/4	625		Mud
8	1036		Set

ACID RECORD

Gals.

Top Pay

TD

TA

TX

BX

TRS

TY

TBL

TWL

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

S/

S/

S/

S/

S/

S/

Tubing Record

Packer

DATE		DATE	
7-16-38	Location	11-21	T.D. 979 RB
7-26	"		S.D. Orders
8-2	"	11-29	S.D. Orders 979 RB
8-9	"	12-13	Ø 1042 L
8-16	"		Ø 1238 S
8-23	"		S/o 1238
8-30	"	12-20	Tatg pmps. S.D. 1242
9-7	"	12-28	1250 L tatg - pmpd 5 BO &
9-12	"		IB Shut wtr may deepen
9-19			S.D.O
9-26		1-4-39	
10-4		1-10	
10-11	Ø 240 Gal	1-17	
10-18	No report	1-24	Ø 1254 L
10-25	T.D. 625 RB	1-31	Ø 1365 L
	S.D. Orders	2-7	T.D. 1370 L
11-1			S.D. Orders
11-8		2-14	Ø 1365 A & L
11-15	T.D. 922 R & G	2-21	Ø 1400 L
	8" Ø 906	2-28	Ø 1438 A & L
	Prep to Underream		

LOG

[illegible]

petroROM Well Report
 Copyright 1996 by Petroleum Information Corporation
 ----- General Information -----

State : NMEX	Final Status : D&A-OG
County : EDDY	Total Depth : 2002
Field : ARTESIA	Spud Date YYYYMMDD: 19380927
Operator Name : ADKISSON A W	Comp Date YYYYMMDD: 19390621
Well Number : 1	Hole Direction : VERTICAL
Lease Name : BRAINARD	
API Number : 30015007770000	
Section or Equiv : SEC 5	Init Lahee Class : D
Township : S018	Final Lahee Class: D
Range : E027	Permit Number :
Spot :	Elevation : 00000 ()
Base Meridian : NEW MEXICO (21)	
Geologic Province: PERMIAN BASIN	
Formation at TD :	
Oldest Age Pen :	

Producing Formation:

----- Additional Location Information -----

Footage Location : 330FSL 1650FEL SEC LN
 Location Narrative:

Latitude : 32.77034	Latitude (Bot) :
Longitude : 104.29657	Longitude (Bot) :

Latitude & Longitude Source: USGS

----- Production Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rate	FTP	BHP	Ck	M	BHT
0001	1242	1242	4 BO		5 BW				P	
0002	1249	1250	5 BO		1 BW				P	
0003	2002	2002			1 UW				B	

----- Formation Tests -----

Test Type Form	Top	Base	Hydrostatic		Flowing		Shut In		Open Time	Cush Amt
			Init.	Final	Init.	Final	Init.	Final		
0001 DST	1239	1240								
0002 DST	1248	1248								
0003 DST	1248	1248							24H	

Test Amount Unit Desc	Pipe Recovery		
	Amount Unit Desc	Amount Unit Desc	Amount Unit Desc
0001 1 BBL ZW			
0002 1 BBL ZW			
0003 1 BBL ZW			

----- Casing Data -----

Size	Depth	Cement
10 3/4	625	
8 1/4	1036	

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

Date	Remarks
------	---------

New Mexico

A. W. Adriscan, Operator

Breitbard Lease

Well #1 (Dry hole)

Location: Center of SE $\frac{1}{4}$
of SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 5

R-27-E, T-18-S

Elev. 5477'

0

20 Lime
 23 Shale
 86 Lime
 90 Red Shale
 100 lime & Anhy, water
 139 lime & gyp. HW
 176 Anhy. & gyp
 183 Blue shale
 213 gyp
 289 lime & anhydrite
 301 anhy. & gyp
 315 lime & anhydrite
 318 shale & anhydrite
 325 lime, hard
 346 gyp
 395 anhy., hard
 430 gyp & anhy.
 435 lime & red bed
 463 anhydrite
 535 red shale & anhy
 559 anhydrite
 582 red shale & anhy.
 600 gyp & anhydrite
 612 gyp & red shale
 625 gyp & anhydrite
 (625' 10" casing)
 630 blue shale
 713 gyp, broken
 725 blue sandy shale
 753 sandy shale & gyp
 813 red shale & gyp
 819 red shale
 873 red shale & gyp
 903 anhydrite
 913 red sand (started underdigging 8")
 922 red sandy shale & gyp
 930 sand
 962 red shale
 971 lime, broken
 984 red shale & sand
 1027 lime
 1031 sand & lime
 1046 lime
 1053 sandy lime
 1082 lime
 1100 red rock & lime
 1107 lime & anhydrite
 1123 lime
 1133 sandy lime
 1142 sand
 1147 sand & gyp
 1159 sandy lime & gyp
 1175 lime & red rock
 1198 lime
 1204 lime & red rock
 1225 lime, hard

1300 lime, water
 1302 hard lime
 1308 lime, red rock
 1315 sandy lime
 1323 lime-anhy.
 1328 sandy lime
 1360 lime-anhydrite
 1374 lime-anhydrite
 1435 lime
 1432 lime-anhy.
 1437 lime-anhydrite
 1445 blue lime
 1450 crystallite lime
 1471 lime
 1477 lime anhydrite
 1502 grey lime
 1577 grey lime-little anhy. in last ft.
 1521 lime-anhy.
 1541 lime
 1548 lime-anhy.
 1560 lime-small amount of gas
 1613 mixed lime
 1635 lime
 1639 lime (very hard)
 1712 lime
 1720 sandy lime
 1723 lime-hard
 1897 lime

(At 1890 baled hole 35 inches oil & water)

1948 lime (April 25, 1939 drilling ahead)
 1950 lime
 1972 sandy lime
 1983 lime
 2002 lime R.D. - Dry

T. D. Drt

Pipes: 8 $\frac{1}{2}$ " set at 1015' 2"
 8 $\frac{1}{2}$ " underreamed 1036'
 10" set at 625'
 (put heavy mud back of pipe)
 Also 1000' of aquagel

301 anhy. & gyp
 315 lime & anhydrite
 318 shale & anhydrite
 323 lime, hard
 348 gyp
 395 anhy., hard
 430 gyp & anhy.
 435 lime & red bed
 442 anhydrite
 533 red shale & anhy
 539 anhydrite
 582 red shale & anhy.
 600 gyp & anhydrite
 612 gyp & red shale
 623 gyp & anhydrite
 (625' 10" casing)
 630 blue shale
 713 gyp, broken
 725 blue sandy shale
 783 sandy shale & gyp
 813 red shale & gyp
 819 red shale
 873 red shale & gyp
 903 anhydrite
 913 red sand (started underdigging 6")
 922 red sandy shale & gyp
 950 sand
 962 red shale
 971 lime, broken
 994 red shale & sand
 1027 lime
 1031 sand & lime
 1046 lime
 1053 sandy lime
~~1063 lime~~
 1082 lime
 1100 red rock & lime
 1107 lime & anhydrite
 1123 lime
 1133 sandy lime
 1142 sand
 1147 sand & gyp
 1159 sandy lime & gyp
 1173 lime & red rock
 1188 lime
 1204 lime & red rock
 1223 lime, hard
 1227 sandy lime
 1237 lime, hard
 1239 sand, some of oil & water
 1240 lime shale
 1242 sand, live oil show
 1244 lime
 (1242 to 1243 bailed water)
 1246 sandy lime
 1248 lime
 1250 sandy lime
 1253 sandy lime
 1260 lime, hard
 1264 sandy lime
 1267 sand
 1269 lime sand

1437 lime-anhydrite
 1443 blue lime
 1450 crystallite lime
 1471 lime
 1477 lime anhydrite
 1502 grey lime
 1577 grey lime-little anhy. in last ft.
 1521 lime-anhy.
 1541 lime
 1546 lime-anhy.
 1560 lime-small amount of gas
 1613 mixed lime
 1655 lime
 1659 lime (very hard)
 1713 lime
 1720 sandy lime
 1728 lime-hard
 1897 lime
 (At 1890 bailed hole 35 inches oil & water)
 1948 lime (April 25, 1939 drilling ahead)
 1939 lime
 1972 sandy lime
 1983 lime
 2002 lime R.D. - Dry

T. D. Ditt

Pipe: 8 1/2" set at 1015' 2"
 8 1/2" underreamed 1036'
 10" set at 625'
 (put heavy mud back of pipe)
 Also 1000# of aqueal

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Brainard #6

Location: Section 5 -18S-27E (660' FSL + 330' FEL)

Operator (at time of plugging): RD Compton

Date Plugged: 7/34

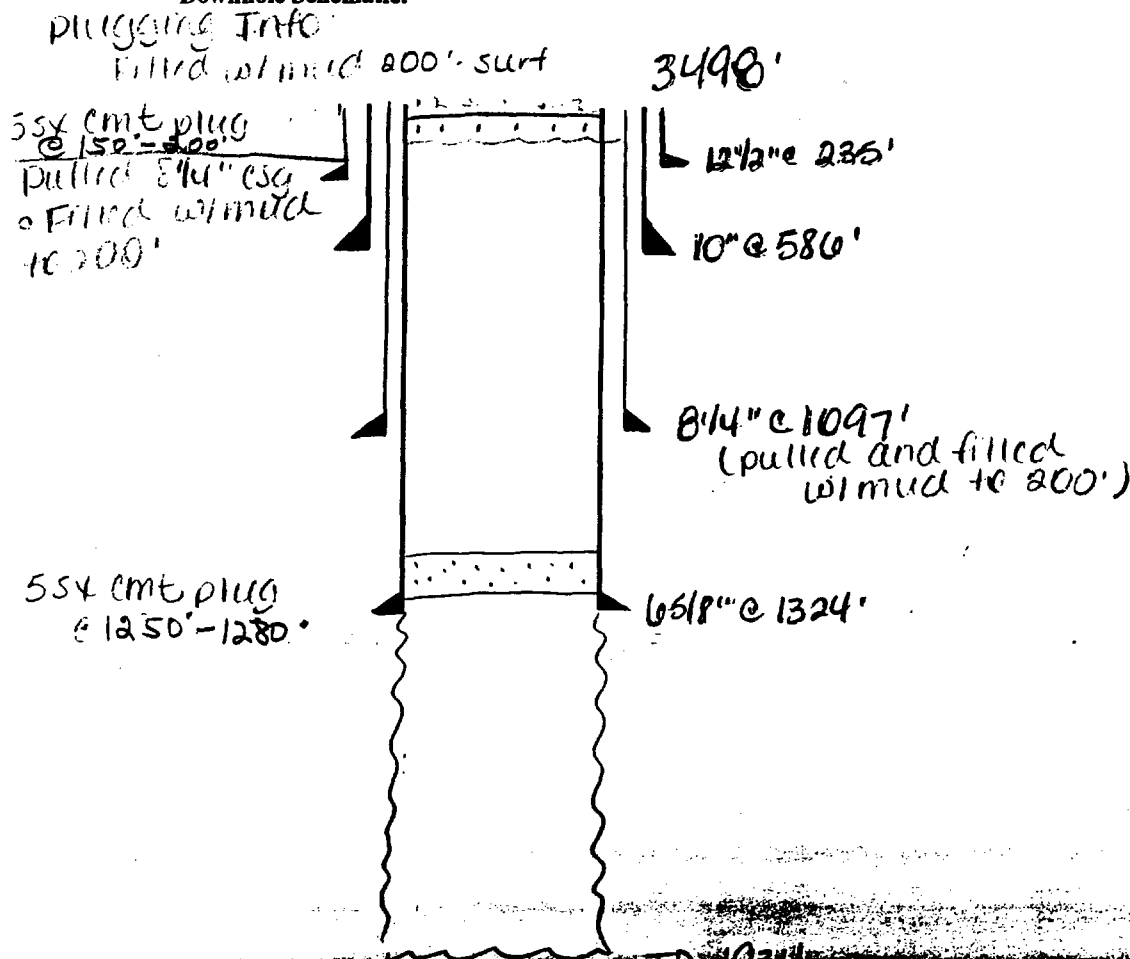
Information Obtained From: School of mines - Well Log Div, PI Report

Comments:

Spud 1-23-34. well was drilled and abandoned.

(see below and attached for plugging info.)

Downhole Schematic:



NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

30-015-00159
COUNTY Eddy
FIELD
COMPANY R. D. Compton
LEASE Brainerd No. 6 Well
LOCATION (1/4) E SE SE
SEC. 5 T. 18S. R. 27E
660 feet from south line and
330 feet from east line of Section
COMMENCED 1-23-34
COMPLETED 7-11-34
ABANDONED
REMARKS: D & A

CASING RECORD
Diam. in. Bottom
12" 235'
10" 586'
8" 1097'
6-5/8" 1324'
ELEVATION 3498
FEET
INITIAL DAILY PRODUCTION:
Open
Open
Th.
Th.

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Red bed	10	Blue shale	350
Hard white gyp	15	Grey gyp	360
Red bed	25	Red bed	365
White gyp	30	Grey gyp	375
Red bed	35	Hard grey gyp	380
White gyp	40	White gyp, 80. 85-90'	385
Red bed	45	Grey gyp and grey sandy shale	390
White gyp	50	White and grey gyp, soft	395
Red bed	55	White gyp	405
White gyp	65	Grey gyp	410
Red bed	70	Brown lime, gas 15-20'	415
White gyp	95	Grey lime	418
Light grey gyp	100	Grey gyp	430
Red bed	105	Blue shale	434
Hard white gyp	110	White gyp, soft	440
Grey lime	118	Red bed	443
Grey gyp	125	Grey gyp	458
Hard grey lime	130	Brown sandy lime	465
White gyp	140	Brown lime	470
Red bed	145	Grey gyp	475
White gyp	157	Red bed and white gyp	480
Gyp and lime	160	Red bed, grey and white gyp	485
White gyp, hard	170	Grey gyp	498
White gyp and red bed	175	Grey sandy lime	500
White gyp, wtr. 160-80'	190	Blue shale, S.O.	502
Gyp and red bed	195	Grey and white gyp	508
White and grey gyp	200	Red bed, wtr.	526
Red bed	203	Grey and white gyp	539
Grey gyp and wtr.	210	Grey and white gyp	543
Grey gyp	220	and red bed	558
Gyp and sand, sul. wtr.	225	Red bed	562
Gyp mud	230	Red bed and blue shale	565
Grey gyp	252	Gyp and blue shale	570
White and grey gyp	259	Gyp, red bed and shale	578
Grey gyp	270	Grey gyp	580
White gyp, soft	275	Grey gyp and blue shale	582
Brown gyp	280	Grey gyp	584
Grey gyp	295	Red bed	586
Gyp and shale	305	Grey and white gyp	588
White and grey gyp	327	White gyp	590
Dark gyp	332	Red bed and blue shale	590
Grey gyp	340	White gyp	610
White gyp	345		

STATE BUREAU OF MINES AND MINERAL RESOURCES

COUNTY Eddy

SOCORRO, NEW MEXICO

FIELD

COMPANY R. D. Compton

LEASE Brainerd

No. 6 Well

NEW MEXICO WELL LOG DIVISION

LOCATION (M)

SEC. 8 T. 18S R. 27E

CASING RECORD		ELEVATION	FEET		
Diame., in.	Bottom			feet from	line and
		INITIAL DAILY PRODUCTION:		feet from	line of Section
		Open	Min. Oil	COMMENCED	
		Open	cu. ft. Gas	COMPLETED	
		Test	Min. Oil	ABANDONED	
		Test	cu. ft. Gas	REMARKS:	

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Red bed	619	Gyp	968
Grey gyp	627	White sand and red sandy gyp	974
Red bed	630	Pink sandy gyp	980
Grey and pink gyp	635	Red sand	987
Red bed	640	Red sand and gyp	995
Brown sand, white gyp and blue shale	647	Red sand	1080
Red rock	650	Grey lime	1075
Brown sand and grey gyp	655	Brown shale	1085
White and dark grey lime	672	Pink shale	1095
Grey gyp and red bed	680	Brown lime	1097
Brown gyp	685	Grey lime	1123
Blue sandy gyp	690	Brown lime	1125
Blue sand, 1 SWPH 690-95'	695	Pink and grey lime	1135
Red bed	700	Grey lime	1158
Red sand	708	Pink and grey lime	1169
Blue sandy shale and red sand	713	Grey lime	1181
Red sand	718	Lime	1187
Pink gyp, inc. wtr. 720-25'	725	White sand and grey lime	1193
Pink gyp and red sand	730	White sand	1199
Grey, white, brown and pink gyp	755	Grey sandy lime	1205
Dark brown gyp and blue shale	761	Brown sandy lime	1210
Grey gyp, inc. wtr.	767	Brown lime	1222
Red bed and blue shale	770	Grey lime	1234
Grey and brown gyp	775	Sandy lime	1251
Brown gyp	780	Grey sandy lime, skip to 1333'	1255
Grey and pink gyp	787	White lime	1333
Grey lime	792	Grey lime	1351
Brown and grey gyp	795	Grey and pink lime	1369
Grey and pink gyp	800	White lime	1378
Brown gyp	805	Light brown lime	1381
Grey gyp	810	White lime, hard	1388
Grey and pink gyp	815	Light grey lime	1393
Grey gyp	832	White lime	1402
Grey and pink gyp	839	Grey lime	1416
Gyp and red bed	845	White lime, hard	1418
Gyp	859	Grey lime	1482
Gyp and red shale	895	Brown lime	1485
Gyp	925	Grey lime	1490
Blue sandy shale	932	Grey and brown lime	1496
Water sand	937	Grey lime	1510
White sand	965	White lime	1512
		Grey lime	1584

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

(Page 3)

COUNTY Eddy
FIELD
COMPANY R. D. Compton
LEASE Brainerd No. 6 Well
LOCATION (4)
SEC. 5 T. 18S R. 27E

CASING RECORD
Diam. in. Bottom
ELEVATION
INITIAL DAILY PRODUCTION
FEET
Gall. Oil
cu. ft. Gas
Gall. Oil
cu. ft. Gas

COMPLETED
ABANDONED
REMARKS:

feet from
line of Section

FORMATION BOTTOM, FEET FORMATION BOTTOM, FEET

Dark line 1898
Gray and brown line 1899
Gray and brown line 1900
Dark gray line, rainier oil 1901
Dark gray line, hard 1902
Brown line 1903
Brown line, very hard 1904
Dark gray line 1905
Brown line 1906
Black line 1907
Brown line 1908
Dark line 1909
Brown sandy line 1910
Dark gray line, Gas 1911
1920-25, 1926 1912
Soft brown line 1913
Medium brown line 1914
Soft brown line 1915
Hard brown line 1916
Dark gray line, soft 1917
Soft gray line, SO 1918
RD 1919
Skip 1964-1933 1920
Hard gray line 1921
White sand 1922
Pink and gray line 1923
Oil sand 1924
Brown line 1925
White sandy line 1926
Gray and white line 1927

BAND

petroROM Well Report
 Copyright 1996 by Petroleum Information Corporation
 ----- General Information -----

State : NMEX	Final Status : D&A-OG
County : EDDY	Total Depth : 1931
Field : ARTESIA	Spud Date YYYYMMDD: 19340123
Operator Name : COMPTON R D	Comp Date YYYYMMDD: 19340710
Well Number : 6	Hole Direction : VERTICAL
Lease Name : BRAINARD-FEDERAL A	
API Number : 30015007840000	
Section or Equiv : SEC 5	Init Lahee Class : D
Township : S018	Final Lahee Class: D
Range : E027	Permit Number :
Spot :	Elevation : 00000 ()
Base Meridian : NEW MEXICO (21)	
Geologic Province: PERMIAN BASIN	
Formation at TD :	
Oldest Age Pen :	

Producing Formation:

----- Additional Location Information -----

Footage Location : 660FSL 330FEL SEC LN
 Location Narrative:

Latitude : 32.77122	Latitude (Bot) :
Longitude : 104.29229	Longitude (Bot) :

Latitude & Longitude Source: USGS

----- Formation Tests -----

Test Type Form	Top	Hydrostatic		Flowing		Shut In		Open Cush	
		Base	Init.	Final	Init.	Final	Init.	Final	Time
0001 DST	1278	1280							
0002 DST	1820	1825							

Test Amount Unit Desc	Pipe Recovery		Amount Unit Desc	Amount Unit Desc
	Amount	Unit Desc		
0001 1 BBL O	20 BBL	ZW		

Test Amount Unit Type	Material to Surface			
	Time	Amount	Unit Type	Time
0002 250 MCFD GAS				

----- Casing Data -----

Size	Depth	Cement
12 1/2	235	
10	586	
8 1/4	1697	
6 5/8	1324	

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

Date	Remarks
------	---------

Form 9-581a
(Rev. 1955)COPY RETAINED BOWWELL
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU.S. Land Office
XXXXXXXXXX-1U.S. Land Office
XXXXXXXXXX-1

026874-A

JUL 11 1934

JUL 7 1934

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATION CASING
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY

(Indicate above by check mark nature of report, notice, or other data)

7/5/

1934

Following is a notice of intention to do work on land under XXXX described as follows:
XXXXXX

New Mexico Eddy Compton
 (State or Territory) (County or Subdivision) (Twp)
 Well No. 6 SESR 5 18S 27E. N.M.P.M.
 (Of Sec. and Sec. No.) (Twp.) (Range) (Section)

The well is located 660 ft. N of S line and 330 ft. E of E line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing jobs, and all other important proposed work.)

Hole was drilled to 1931'

Wish to fill from bottom of hole to bottom of 6-5/8 casing set at 1315', with mud and build bridge and cement at 1350' with five sacks of cement.

Then pull 6-5/8 and fill to 1100' with mud and pull 8 1/2" casing and fill with mud to a depth of 200' and cement with five sacks of cement then fill to surface with mud and erect the regulation marker.

Then fill file Supplementary Well History.

Approval Conditioned on:

1. Immediately submit two copies on the log on form 9-530.
2. Set bridge at 1280 feet and cement with 5 sacks.
3. Upon completion of work submit subsequent report of abandonment for approval.

Approved July 9, 1934.

(Date)

Company PhD Compton Oil Co.

Supervisor Oil & Gas Operations

By PhD Compton

Title T. G. Taylor, Engineer.
GEOLOGICAL SURVEY

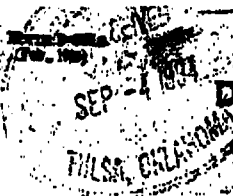
Title President

Address Bowwell, New Mexico.

Address Artesian N.M.

NOTE—Reports on this form to be submitted in triplicate to the Supervisor for approval.

DEPARTMENT OF THE INTERIOR 9-530



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Serial Number 028874
Name of Project Lease

AUG 18 1934

SUNDRY NOTICES AND REPORTS ON WELLS

U.S. GEOLOGICAL SURVEY
WELL NEW MEXICO

NOTICE OF INTENTION TO DRILL	SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS	RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT	I
NOTICE OF INTENTION TO SHOOT	SUPPLEMENTARY WELL HISTORY	

INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA

8/14, 1934

Following is a ~~notice of intention to drill~~ report of work done on land under ~~lease~~ described as follows:

New Mexico Eddy Compton
(State or Territory) (County or Subdivision) (Twp)
Well No. 6 SESE 4 - 5 18S 27E N.M.P.H.
(Q. Sec. and Sec. No.) (Twp) (Range) (Mileage)

The well is located 660 ft. N of S line and 330 ft. E of E line of sec. 5

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF PLAN OF WORK

(Give names of and expected depths to objective sands, clay, lignite, and lengths of proposed casing; indicate welding jobs, cementing points, and all other important proposed work.)

6-5/8 --Pulled and Bridge built and cemented with 5 sacks cement at 1280 ft. Then 8 1/2" Pulled and filled with mud to depth of 200ft. Then cemented again with 5 sacks cement, and filled with mud to surface and a regulation marker cemented and allowed to extend above surface of ground six ft.

Field inspection 8-30-34

Approved August 31, 1934

Company R.D. Compton Oil Co. Inc.

ERNEST A. HAMSON

By

Title Deputy Supervisor
GEOLOGICAL SURVEY

Title President

Address Box 591 Roswell, New Mexico

Address Artesia N. M.

NOTE—Reports on this form to be submitted in triplicate to the Supervisor for approval.

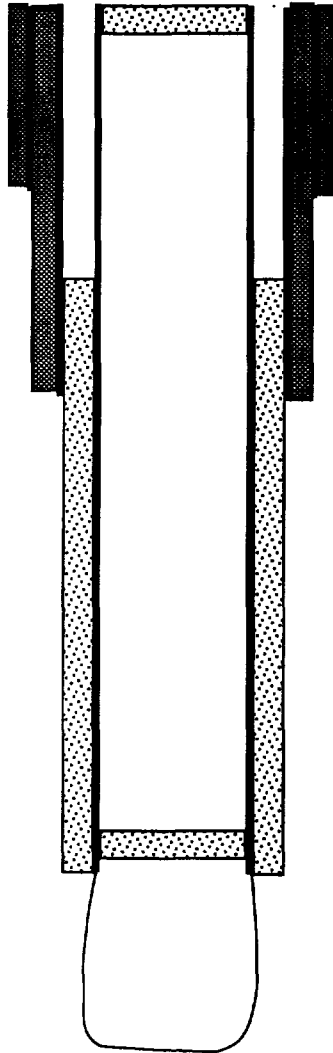
GEOLOGICAL SURVEY FORM 4-100

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Brainard-Hill #1			FIELD: Red Lake		
LOCATION: 1650' FSL & 1650' FWL, Sec. 6-18S-27E			COUNTY: Eddy	STATE: NM	
ELEVATION: 3382' GL			SPUD DATE: 8/26/40	COMP DATE: 1/15/41	
API #: 30-015-00792		PREPARED BY: T. Rutelonis			DATE: 10/8/98
SIZE	WEIGHT	GRADE	THREAD	DEPTH	CEMENT TYPE
10"	28"			620'	1 ton mud
8-5/8"	24#			965'	1 ton mud
7"	20#			1438'	50 sx

Operator: Brainard & Guy

Well D&A 1/15/41 No plugging info available, see
attached info from PI and New Mexico scout report.



Est. 5 sx surf plug @ 0-20'.

10" 28# csg set @ 620' (mudded in)

8-5/8" 24# csg set @ 965' (mudded in)

Est 5 sx cmt plug @ $\pm$ 1410'-1430'.

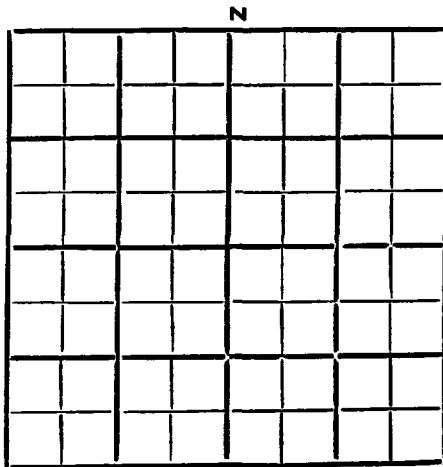
7" 20# csg set @ 1438' w/ 50 sx cmt, TOC calc. 787'.

PBTD @ 1875'

TD @ 1902'

SCOUT REPORT
NEW MEXICO
OIL CONSERVATION COMMISSION

ARTESIA



Company **Brainard and Guy**
 Farm Name ~~Brainard~~ **BRAINARD** Well No. **1**
 Land Classification **Government**
 Sec. **6** Twp. **18** Range **27** County **Eddy**
 Feet from Line: **N. 1650** S. **E. 1650** W.
 Elevation **3382** Method **Mech**
 Contractor **Paton** Scout
 Spudded **8-21** Completed **1-15-41** Initial Production
 Bond Status

Amount
Casing and Cementing Record

Size	Feet	Inches	Sex Cement
10	610		S
8	965		S
7"	1438		50

Tubing Record

2"	1776
----	------

ACID RECORD

ILLEGIBLE

Top

TA

TS

BS

TRS

TBL

TWL

SHOOTING RECORD

No. of Quarts **500** Shot at **1702** Feet **1875**
 No. of Quarts Shot at Feet
 S/O **1544-20 L** S/O **1630-31 L** S/O **1773-76**
 S/O **1552-61 L** S/O **1704-06** S/O **1854-60**

DATE		DATE	
8-11-40	loc	8-22	TD 1902 L
8-21	Repta Pump		PB 1875
8-28	P 80 G		U C H S (a) 1800
9-4	T.D. 620 A		
	50 BOPD		
	W. 3100 - 70 A		
9-10	T.D. 640 L		Section 1595-1902 L
	512 Repta		12 BL - PH
	5/20 12 BOPD		2 BOPD (PH)
	SL 12 345-25		
9-13	φ 965 L		700 50 BOPD P
	W. 595 L	10-20	TD 1902 L
	H 47-52		200 1875
9-20	φ 1315 L		1375
	H 50W 1185 40-2	11-6	TD 1902 L PB 1875 2" 1776
			Pump 25th oil + 25 BSW
10-2	φ 1435 L		Pump Day - Sealing
	T.D. 1200 L	11-13	T.D. 1902 L
	φ 2000		PB 1875 Tally
	φ 1672 / Pump L	11-20	Pump 14 BOPD + 19 BOPD
			T.D. 1902 L
			11-20 1875
			11-20 1875

LOG

Depth	Formation	Depth	Formation	Depth	Formation
11-27	T.D. 1902 L				
	P.B. 1875				
	C.O. Crgs				
	1790-1875				
	Attempting WSD.				
	Pulled Chg				
12-3	T.D. 1902 L				
	P.B. 1875				
	C.O. Crgs. @ 1815				
12-10	T.D. 1902 L				
	P.B. 1875				
	C.O. @ 1850				
	1200 F.H.				
12-16	T.D. 1902 L				
	P.B. 1875				
	C.O. @ 1860				
	1300 F.H.				
DEC 30	T.D. 1902 P.B. 1875				
JAN 8	T.D. 1875 S.D. 2				
JAN 15	T.D. 1902 L				
	Pit A				
	completed 10-20-40				

ADDRESSES

MAR 10 1977

SERIAL NUMBER Q56718

LEASE OR ~~PRODUCTION~~ ~~RESTRICTION~~.....

O. B. O.
OFFICIALS

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Lessor or Tract **Fred Brainard** Field **Artesia** State **New Mexico**

Well No. **1** Sec. **6** T. **18** R. **27** Meridian **NMPM** County **Eddy**

Location 1650 ft. From S Line and 1650 ft. From W Line of 6-18-27 Elevation 3382
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Brainard & Guy

Date Nov. 14, 1940 Title Fred Brainard

Title Fred Brainard
Partner

The summary on this page is for the condition of the well at above date.

Commenced drilling Aug. 27. 1940, 19____ Finished drilling Oct. 20. 1940____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1755 to 1762 No. 4, from 1844 to 1860

No. 2, from 1796 to 1804 No. 5, from _____ to _____

No. 3, from 1804 to 1817 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 535 to 540 No. 3, from 1175 to 1185

No. 2, from 894 to 900 No. 4, from 1450 to 1452

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10	28	8		620	Reg				
8	24	8		998					
7	20	10		1438					
HISTORY OF OIL OF CAS MEGG									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement used	Weight of cement used	Amount of mud used	Total
10 1/2"	620	1305	None	4 1/2 tons mud	1305
8 1/2"	965	1305	None	4 1/2 tons mud	1305

RECEIVED

MAR 10 1977

SERIAL NUMBER085718

LEASE OR ~~PRODUCTION~~ ~~RENTAL~~

O. C. C.
ADVISORY OFFICE

UNITED STATES

DEPARTMENT OF THE INTERIOR

SURVEY

ILLEGIBLE

R GAS WELL

LOCATE WELL CORRECTLY

Company Brainard & Guy Address Artesia

Lessor or Tract Fred Brainard Field Artesia State New Mexico

Well No. **1** Sec. **6** T. **18** R. **27** Meridian **NMPM** County **Eddy**

Location 1650t. 3382 from 3 Line and 1650t. 3382 from 4 Line of 6-18-27 Elevation 3382

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Brainard & Guy

Date Nov. 14, 1940 Title Fred Brainerd

_____ PARTNER

The summary on this page is for the condition of the well at above date.

Commenced drilling Aug. 27, 1940, 19____ Finished drilling Oct. 20, 1940, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1755 to 1762 No. 4, from 1844 to 1860

No. 2, from 1796 to 1804 No. 5, from _____ to _____

No. 3, from 1804 to 1817 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 535 to 540 No. 3, from 1175 to 1185

No. 2, from 894 to 900 No. 4, from 1450 to 1452

CASING RECORD

Size casting	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10	28	8		620	Reg				
8	24	8		968					
7	20	10		1438					
HISTORY OF OIL OK GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	By	Location	Amount of mud used
10 3/8	620	None		GLWA	4 tons mud
8 1/2	965	None		GLWA	1 ton mud
7 1/2	1438	50 Sacks	By Halliouston	GLWA	off 1000-1001
7 1/2	1928			GLWA	off 1000-1001
7 1/2	1928			GLWA	off 1000-1001

PLUGS AND ADAPTERS

No.	Date	Locality	Length	Depth set
1888	1906			
Heaving plug—Material				

Adapters—Material	U A22	Size	FROM PIPE
-------------------	-------	------	-----------

SHOOTING RECORD

FOLD | MARK

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
800	802		Red Rock
703	825		Anhy
825	830		Red Sandy Shale, Caving
830	840		RED SAND
840	845		Anhy
820	822	Correction-845 equals 825	
825	845		Lime
845	847		RED SAND Underdigging, pipe fellows
847	863		Lime
863	875		Shells & Red Rock
875	890		Red Sandy Shale & Lime Shale
890	900		Lime
900	904		Red Sand
904	908		Lime
908	911		Red Bed
911	920		GRAY LIME
920	925		Gray Lime
925	940		Red Bed
940	965		Lime
965	967		Gray Lime
967	970		Pink Lime
970	975		Pink Lime
975	1000		Brown Lime
1000	1050		Gray Lime
1050	1060		Anhy & Lime
1060	1070		Anhy & Gray Lime
1070	1085		Red Lime
1085	1115		Anhy & Brown Lime
1115	1140		Anhy
1140	1145		GRAY LIME
1145	1165		Brown Lime
1165	1175		Reddish Lime
1175	1185		Gray Lime
1185	1190		Water Sand
1190	1310		Gray Lime
1310	1320		Brown Lime
1320	1370		Gray Lime
1370	1420		Brown Lime
1420	1469		Gray Lime
1469	1474		Brown Lime
1474	1490		Brown Lime
1490	1540		Gray Lime
1540	1570		Brown Lime
1570	1591		BLACK LIME, HARD
1591	1677		Brown Lime
1677	1680		Halliburton Measurements, 1667 equals 1665
1680	1688		Gray Lime
1688	1702		Black Lime
1702	1712		Brown Lime
1712	1738		Brown Lime
1738	1744		Gray Lime
1744	1755		Gray Lime
1755	1788		Brown Lime
1788	1796		Gray Lime
1796	1832		Brown Lime
1832	1839		Gray Lime
1839	1844		Brown Lime
1844	1883		Gray Lime
1883	1902		Gray Lime

ILLEGIBLE

1839 1838 1844 20 28 1883 1883 1902 1902
 Brown Lime Show 011 1808-1817
 Gray Lime Show 011 1854-1860
 Gray Lime Show 011 1854-1860
 Salt water 1890-1902-1 1/5 BPH. Plugged back to 1877
 with rock and put in 2 lead plugs and drove down
 with tools. Total depth 1878

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "contracted" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Casing size	Per foot weight	Per length per	Make	Amount	Kind of shoe	Cut and pulled from	From	To	Perforated	Perforator
-------------	-----------------	----------------	------	--------	--------------	---------------------	------	----	------------	------------

See report of results of shot
 1839 1838 1844 20 28 1883 1883 1902 1902
 No. 3' from 1839 1838 1844 20 28 1883 1883 1902 1902
 No. 1' from 1839 1838 1844 20 28 1883 1883 1902 1902

IMPORTANT WATER SANDS

No. 3' from 1839 1838 1844 20 28 1883 1883 1902 1902
 No. 2' from 1839 1838 1844 20 28 1883 1883 1902 1902
 No. 1' from 1839 1838 1844 20 28 1883 1883 1902 1902

ILLEGIBLE

OIL OR GAS SANDS OR ZONES

Commenced drilling 1839 1838 1844 20 28 1883 1883 1902 1902
 Finished drilling 1839 1838 1844 20 28 1883 1883 1902 1902

The summary on this page is for the condition of the well at above date:

Date 1839 1838 1844 20 28 1883 1883 1902 1902
 Title 1839 1838 1844 20 28 1883 1883 1902 1902
 Signed 1839 1838 1844 20 28 1883 1883 1902 1902

The information given hereafter is a complete and correct record of the well and all work done thereon

Location 1839 1838 1844 20 28 1883 1883 1902 1902
 Elevation 1839 1838 1844 20 28 1883 1883 1902 1902

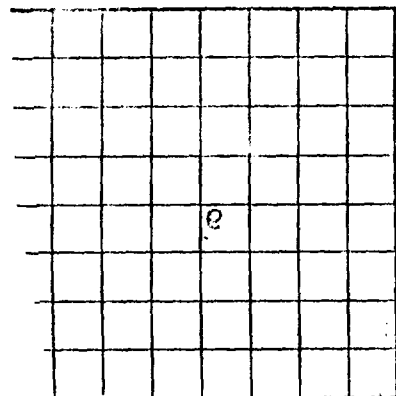
Well No. 1 1839 1838 1844 20 28 1883 1883 1902 1902
 County 1839 1838 1844 20 28 1883 1883 1902 1902

Name of Driller 1839 1838 1844 20 28 1883 1883 1902 1902
 Field Agents 1839 1838 1844 20 28 1883 1883 1902 1902

Company 1839 1838 1844 20 28 1883 1883 1902 1902
 Address 1839 1838 1844 20 28 1883 1883 1902 1902

LOCATE WELL CORRECTLY

LOC OF OIL OR GAS WELL



GEOLOGICAL SURVEY

SA

DEPARTMENT OF THE INTERIOR

UNITED STATES

DEGREE OF INCLINATION

SERIAL NUMBER

U. S. LAND OFFICE

Salt water 1890-1902-1/3 BPH. Plugged back to 1877 with rock and put in 2 lead plugs and drove down with tool. Total depth 1875

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

CRAB	EST. FOOT	THICK	THICKNESS PER	GRADE	AMOUNT	KIND OF SPEC	CUT AND BUILT FROM	FROM—	TO—	REMARKS
20' 5" FROM										
20' 1" FROM										

CASING RECORD

See report of results & chart
Drilled Nov 4/40

IMPORTANT WATER SANDS

20° 3' (LOW)	10 3333	20° 0' (LOW)	10 3333
40° 5' (LOW)	10 3333	20° 9' (LOW)	10 3333
20° 1' (LOW)	10 3333	20° 1' (LOW)	10 3333

(Previous Page 10 3333)

OIL OR GAS PIPES OR

ILLEGIBLE

1. The information given herewith is a complete and correct record of the work done in this office during the period from 1941 to 1942, inclusive, and is a true and correct copy of the original record.

FOG OF OIL ON CVD MATT

[illegible]

GEOLOGICAL SURVEY
 DEPARTMENT OF THE INTERIOR
 UNITED STATES

REVENUE OF DISTRICT NO. 1, DISTRICT NO. 2
DISTRICT NO. 3, DISTRICT NO. 4
DISTRICT NO. 5, DISTRICT NO. 6

Santa Fe, New Mexico

WELL RECORD

Brainard & Guy

A tesia, New Mexico

Company or Operator
Fred Brainard

Well No. **X 1** in **NE SW** of Sec. **6**, T. **18**

Lease

R. 27 N. M. P. M. Artesia Field. Eddy County.

Well is 3630 feet south of the North line and 3630 feet west of the East line of section 6

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____, Address _____

If Government land the permittee is Fred Brainard, Address Artesia, New Mexico

The Lessee is Brainard & Guy Address Artesia, New Mexico

Drilling commenced August 27 1940 Drilling was completed October 20 1940

Name of drilling contractor Paton Bros. Address Artesia, New Mexico

Elevation above sea level at top of casing 3382 feet.

The information given is to be kept confidential until Not confidential 19

ONE SANDS OR ZONES			
No. 1, from	1755	to	1762
No. 2, from	1796	to	1817
No. 3, from	1844	to	1860
No. 4, from		to	
No. 5, from		to	
No. 6, from		to	

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	535	to	540	feet.
No. 2, from	894	to	900	feet.
No. 3, from	1175	to	1185	feet.
No. 4, from	1450	to	1452	feet.

[illegible]

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10	620	None			1 ton mud
	8 $\frac{1}{2}$	965	None			1 ton mud
	7	1438	50	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
3 $\frac{1}{2}$		Solidified Nitro	500		1702-1875	Bottom

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 1902 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____, 19____

The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %

emulsion; _____ % water; and _____ % sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

O. T. Mays

C. Newbert

Driller _____, Driller _____

Driller _____, Driller _____

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this _____

Place

Date

day of _____, 19____

Name _____

Position _____

Notary Public

Representing _____

Company or Operator

My Commission expires _____

Address _____

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	50		Gyp
50	65		Anhy
65	170		Gyp and anhy
170	250		Anhy
250	260		Red rock
260	520		Anhy, red rock, red sand
520	530		Sandy blue shale
530	535		Anhy
535	540		Sandy lime
540	825		Anhy and red rock
825	830		Red sandy shale
830	840		Red sand
840	845 = 825		Anhy
825	845		Lime
845	847		Red sand
847	900		Lime, shells and red rock, sandy shale.
900	904		Red sand
904	908		Lime
908	911		Red bed
911	925		Lime
925	940		Red bed
940	1050		Lime
1050	1070		Anhy
1070	1085		Red lime
1085	1140		Anhy
1140	1185		Lime
1185	1190		Water sand
1190	1902		Lime
1902			Total depth

Plugged back to 1877 with rock and put 2 lead plugs and drove down with tools. Total depth 1875. Shut off water 12 hr. test.

Well cleaned itself and flowed three times in 4 hours. Looked like top allowable well. However displayed water and water is cutting production.

----- General Information -----

State	: NMEX	Final Status	: D&A-O
County	: EDDY	Total Depth	: 1902
Field	: ARTESIA	Spud Date YYYYMMDD:	19400816
Operator Name	: BRAINARD & GUY	Comp Date YYYYMMDD:	19410114
Well Number	: 1	Hole Direction	: VERTICAL
Lease Name	: BRAINARD-HILL		
API Number	: 30015007920000		
Section or Equiv	: SEC 6	Init Lahee Class	: D
Township	: S018	Final Lahee Class	: D
Range	: E027	Permit Number	:
Spot	:	Elevation	: 00000 ()
Base Meridian	: NEW MEXICO (21)		
Geologic Province	: PERMIAN BASIN		
Formation at TD	:		
Oldest Age Pen	:		

Producing Formation:

----- Additional Location Information -----

Footage Location : 1650FSL 1650FWL SEC LN
Location Narrative:

Latitude	: 32.77426	Latitude (Bot)	:
Longitude	: 104.32043	Longitude (Bot)	:

Latitude & Longitude Source: USGS

----- Production Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rte	FTP	BHP	Ck	M	BHT
0001	1438	1875	25 BO						P	
0002	1438	1875	25 BO		25 BW				P	
0003	1438	1875	18 BO		11 BW				P	

PDT Treatment

Test	Top	Base	Volume Meas	Amount	T/P	PSI	Inj	Type	Nbr	Agent	Add
0001	1702	1805	500 QTS					XPLO			

----- Formation Tests -----

Test	Type	Form	Top	Base	Hydrostatic		Flowing		Shut In		Open	Cush
					Init.	Final	Init.	Final	Init.	Final	Time	Amt
0001	DST		260	260							1H	
0002	DST		280	280							1H	
0003	DST		1895	1902								

Pipe Recovery

Test	Amount	Unit	Desc	Amount	Unit	Desc	Amount	Unit	Desc
0001		1 BBL	XW						

0002 2 BBL XW
0003 21 GAL ZW

----- Log Data -----

Type	Top	Base
EL		

----- Casing Data -----

Size	Depth	Cement
10	620	
8 1/4	965	
7	1438	50

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

----- Actual Bottom Hole Narrative -----

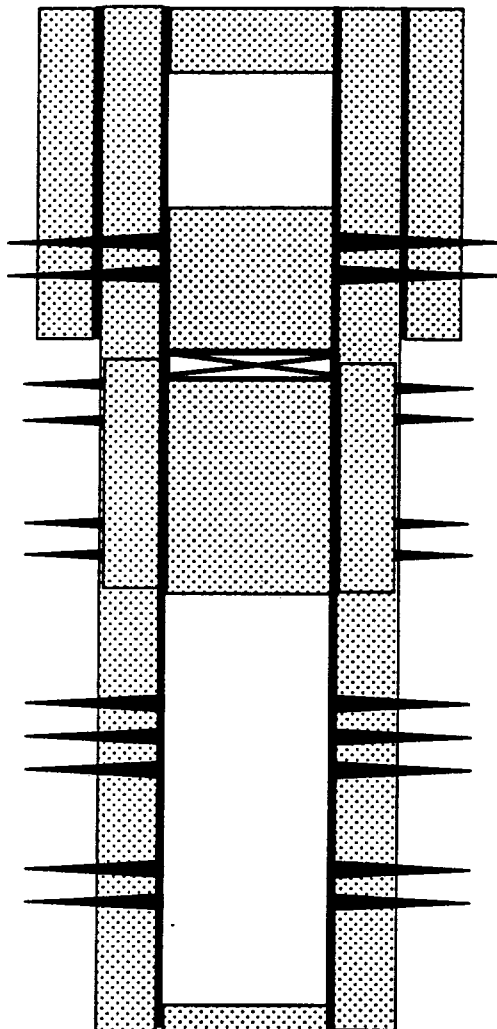
----- Drilling Narrative -----

Date	Remarks
------	---------

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: CHOQUE "AMX" FED. #1	OPERATOR: Yates Petroleum Corp.	FIELD: Red Lake
LOCATION: 660' FSL & 2310 FEL, Sec. 5-18S-27E	COUNTY: Eddy	STATE: NM
ELEVATION: 3423' GR	SPUD DATE: 7/30/93	COMP DATE: 9/1/94
API #: 30-015-27521	PREPARED BY: Karen Byers	DATE: 7/30/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-1350'	8 5/8"	24#			12 1/4"
CASING:	0-3950'	5 1/2"	15.5#			7 7/8"
CASING:						
TUBING:						
TUBING:						



8 sxs cement surface - 50'

40 sxs cement 1000'-1375'

8 5/8" @ 1350' w/500 sxs cmt. Circ'd cmt to surface.

Cement retainer @ 1375'

Perforations:

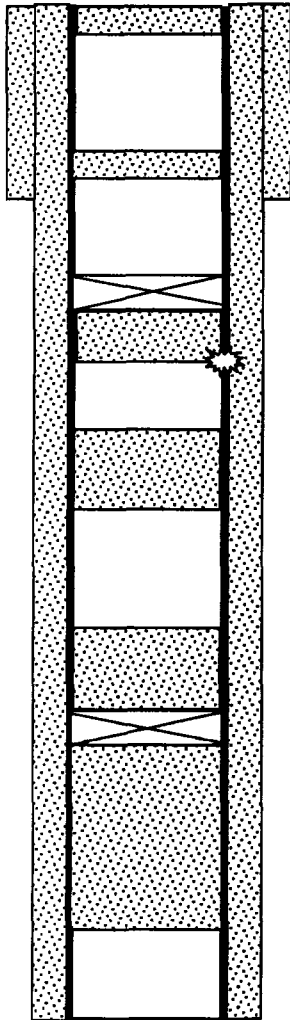
1207'-1239'
 1412'-1457' (squeezed)
 1822'-1947' (squeezed)
 2744'-2770'
 2903'-2916'
 3462'-3510'

5 1/2" @ 3950' w/830 sxs. Circ'd cmt to surface.

TD @ 3950'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Empire Abo Unit "L" #8				FIELD: Empire Abo		
LOCATION: 660' FSL & 660' FEL, Sec. 4-18S-27E				COUNTY: Eddy	STATE: NM	
ELEVATION: 3570' RKB				SPUD DATE: 2/25/59	COMP DATE: 3/26/59	
API #: 30-015-00773		PREPARED BY: T. Rutelonis			DATE: 10/8/98	
SIZE	WEIGHT	GRADE	THREAD	DEPTH	TOC	CEMENT TYPE
8-5/8"	24# J-55			1498'		750 sx
5-1/2"	14# J-55			5800'		250 sx



Operator: ARCO Oil & Gas Company
Well P&A 1/20/87
Plug 5 0-75 (10 sx)

Plug 4 1160-1400 (30 sx)
8-5/8" 24# csg set @ 1498' w/ 750 sx cmt

Plug 3 2591-2692 (490 sx), hole in csg @ 2692', CR @ 2591', circ cmt out 8-5/8" csg.

Plug 2 3200-3600 (150 sx)

Plug 1 5100-5618 (100 sx)
Cement retainer set @ 5512' , 50 sx cmt on top, 100 sx below.

5-1/2" 14# csg set @ 5800' w/ 250 sx cmt
PBTD @ 5763'
TD @ 5800'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other Instructions
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. LC 061783 (a)
2. NAME OF OPERATOR ARCO Oil and Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1610, Midland, Texas 79702		7. UNIT AGREEMENT NAME Empire Abo Pressure Maint.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660 FSL & 660 FEL (Unit Letter P)		8. FARM OR LEASE NAME Empire Abo Unit "L"
14. PERMIT NO. 30-015-00773		9. WELL NO. 8
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3570 RKB		10. FIELD AND POOL OR WILDCAT Empire Abo
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 4-18S-27E
		12. COUNTY OR PARISH Eddy
		13. STATE NM

16 Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETION ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☒
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) ☐	
(Other) ☐		(Other) ☐	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

RU PU 1-15-87. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	5100-5618'	150 sx	CR @ 5512' w/100 sx below GR. Locked up @ 1200#. Dumped 50 sx on top.
2	3200-3600	150 sx	Spot
3	2591-2692	490 sx	Hole in csg @ 2692' CR @ 2591. Circ cmt out 8-5/8.
4	1160-1400	30 sx	Spot
5	0-75	10 sx	Spot

CO WH. Install P&A marker. Well P&A'd 1-20-87.



18. I hereby certify that the foregoing is true and correct

SIGNED Ken W. Gosnell TITLE Engr. Tech. Spec. DATE 2-19-87

(This space for Federal or State office use):

APPROVED BY Adm. Serv. Div. TITLE DATE 2-24-87

CONDITIONS OF APPROVAL, IF ANY:

Approved as to
Liability under
surface restoration is completed.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Artesia, NM 88210

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company ✓3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FSL & 660' FEL (Unit P)

AT TOP PROD. INTERVAL: as above

AT TOTAL DEPTH: as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Propose to P&A well in the following manner: MIRU, POH w/pump & rods, inst BOP. POH w/tbg & WH. Run bit to PBD 5763'. Set cmt retr @ 5500'. Establish injection rate thru perfs 5540-5570', 5592-5618'. Cmt squeeze perfs w/C1 H Neat cmt, amt to be determined by pump-in rate. Dump 5 sx cmt on top. Circ w/9.5 ppg BW cont'g 25#/bbl gel. Spot 100' cmt plug 3500-3600'. Perf w/2-4 shots @ 1400'. Set cmt retr @ 1350', establish circ thru perfs & cmt squeeze w/amt to be determined by pump-in rate. Dump 5 sx cmt on cmt retr. Spot 10 sx plug @ surf. Cut off WH. Inst regulation dry hole marker. Clean & level location for abandonment.

* This plug needs to be set & cemented at 6350'.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED A. L. Shackelford TITLE Engrg Tech Spec. DATE 7/24/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 11-14-85
CONDITIONS OF APPROVAL, IF ANY:

DATE FILED	3	
FILE	1	
U.S.G.S.	1	✓
LAND OFFICE		
OPERATOR	1	

NEW MEXICO JUL 21 1977 INFORMATION COMMISSION

Effective 1-1-65

O. C. C.
ARTESIA, OFFICE

50. Indicate Type of Lease
State ☒ **XXX** Fee ☐

51. State Oil & Gas Lease No.

SUNDARY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-DRILL OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL (FORM L-101) FOR SUCH PROPOSALS.

1. ☒ **OIL WELL** ☐ **GAS WELL** ☐ **OTHER**

2. Name of Operator
Atlantic Richfield Company

3. Address of Operator
P.O. Box 129 Artesia, New Mexico 88210

4. Location of Well
UNIT LETTER **P** **660** FEET FROM THE **South** LINE AND **660** FEET FROM THE **East** LINE, SECTION **4** TOWNSHIP **18-S** RANGE **27-E** N.M.P.M.

7. Unit Agreement Name
Empire Abo Unit

8. Form of Lease Name
EAU "L"

9. Well No.
8

10. *Empire* **ABO**

15. Elevation (Show whether DF, RT, CR, etc.)
DF 3568'

12. County
EDDY

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: **SUBSEQUENT REPORT OF:**

☐ PERFORM REMEDIAL WORK	☐ PLUG AND ABANDON	☐ REMEDIAL WORK	☐ ALTERING CASING
☐ TEMPORARILY ABANDON	☐ CHANGE PLANS	☐ COMMENCE DRILLING OPS.	☐ PLUG AND ABANDONMENT
☐ PULL OR ALTER CASING	☐ OTHER Piping braden head to surface.	☐ CASING TEST AND CEMENT JOBS	☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Piping braden head to surface.
5/25/77
mw

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *J. H. Smith* TITLE *Dist Prod Supv.* DATE *6-21-77*

APPROVED BY *M. Williams* TITLE **OIL AND GAS INSPECTOR** DATE **JUL 21 1977**

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other Instructions on Reverse Side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 061783 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Empire Abo Unit "L"

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Empire Abo

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

4-18S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P.O. Box 1710 - Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FSL & 660' FEL (Unit Letter P)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3570' RDB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Shut-in Allowable Transferred ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was shut-in on October 1, 1973. The well was shut-in because it was a high GOR well. Allowable transferred under NMOCC Orders R-4548, R-4549, R-4549-A, R-4549-B.

RECEIVED
OCT - 1 1975
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

W. L. Beebe

TITLE Dist Prod & Drlg Supt

DATE 9-26-75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OCT 30 1975

R. L. BEEBE

ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN T
(Other instructions
reverse side)ICATE*
on re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

JC 061783 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Empire Abo Unit L

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Empire Abo

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

4-18S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

ARTESIA, DEED

660' FSL & 660' FEL (Unit letter P)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

3570' RDB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Shut in. Allowable Transferred ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was shut in on October 1, 1973. The well was shut in because it was a high GOR well. Allowable transferred under NMOCC orders R-4548, R-4549, R-4549-A, R-4549-B. Also holding for secondary recovery.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Dist. Prod. & Drlg. Supt.

DATE October 31, 1974

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

WELL MUST

DATE

UNLESS FURTHER APPROVED.
BE PUT TO BENEFICIAL USE OR PLUGGED BY
APRIL 1 - 1975
See Instructions on Reverse Side

OCT 1 - 1975

DEC 5 - 1974
K. L. BECKMAN
ACTING DISTRICT ENGINEER

DISTRIBUTION	
SANTA FE	/
FILE	/
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL /
	GAS /
OPERATOR	/
PRORATION OFFICE	/

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator ARCO Oil and Gas Company - Division of Atlantic Richfield Company	
Address P. O. Box 1710, Hobbs, New Mexico 88240	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well ☐	Change in Operator Name
Recompletion ☐	effective: 4-1-79
Change in Ownership ☐	
Change in Transporter of:	
Oil ☐	Dry Gas ☐
Casinghead Gas ☐	Condensate ☐

If change of ownership give name and address of previous owner _____

I. DESCRIPTION OF WELL AND LEASE

Lease Name Empire Abo Unit L	Well No. 8	Pool Name, including Formation Empire Abo	Kind of Lease State, Federal or Fee Federal
Location Unit Letter P : 660 Feet From The South Line and 660 Feet From The East Line of Section 4 , Township 18S Range 27E , NMPM, Eddy County			

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Amoco Pipeline Company	2300 Continental National Bank Bldg. Ft. Worth, Texas 76102
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
Amoco Production Company Phillips Petroleum Company	P.O. Drawer A, Levelland, Texas 79336 4001 Penbrook, Odessa, Texas 79760
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
M 3 18 27	Yes AMO---9-3-60 PP---Unknown

If this production is commingled with that from any other lease or pool, give commingling order number: _____

III. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
No Change								
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

IV. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
No Change			
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

V. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

George V. Peaks
(Signature)
District Prod & Drlg Supt.
(Title)
3-7-79
(Date)

OIL CONSERVATION COMMISSION

APR 6 - 1979

APPROVED _____, 19____
BY W.A. Gressett
TITLE **SUPERVISOR, DISTRICT II**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

APPLICANT	1	
FILE	1	✓
U.S.G.S.		
AND OFFICE		
TRANSPORTER	OIL	1
	GAS	1
OPERATOR	1	
PRODUCTION OFFICE		

Operator

Atlantic Richfield Company ✓

Address

P. O. Box 1710, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well ☐Recompletion ☐Change in Ownership ☒

Change in Transporter of:

Oil ☐Casinghead Gas ☐Dry Gas ☐Condensate ☐

Other (Please explain)

Included in Empire Abo Unit eff: 10-1-73. Change in lease name from Windfohr Federal #1.

If change of ownership give name and address of previous owner

AMOCO Production Company P. O. Box 68, Hobbs, New Mexico

II. DESCRIPTION OF WELL AND LEASE

Lease Name Empire Abo Unit L	Well No. 8	Pool Name, including Formation Empire Abo	Kind of Lease State, Federal or Free Federal	Lease No.
Location Unit Letter <u>P</u> ; <u>660</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>East</u> Line of Section <u>4</u> Township <u>18S</u> Range <u>27E</u> , NMPM, <u>Eddy</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ AMOCO Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) 2300 Continental Bk. Bldg., Ft. Worth, Tex. 76102	
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ AMOCO Production Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 68, Hobbs, New Mexico 88240	
If well produces oil or liquids, give location of tanks.	Unit P	Sec. 4
	Twp. 18S	Rge. 27E
	Is gas actually connected? yes	When 9-3-60

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'y.	Diff. Res'y.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations				Depth Casing Shoe				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top of hole for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

A. A. Shackelford
(Signature)

Sr. Acctg. Clerk

(Title)

9-26-73

(Date)

Completed wells

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for all wells on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of ownership, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multi-

TITLE OIL AND GAS INSPECTOR

BY

APPROVED

OIL CONSERVATION COMMISSION
SEP 28 1973

NEW MEXICO
OIL CONSERVATION COMMISSION

P. O. DRAWER DD
ARTESIA, NEW MEXICO

Sept. thru Dec. 1972

No. 2073 R

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE 11/1/72

PURPOSE: ALLOWABLE REVISION

Effective 11/1/72, the allowable of the following Amoco
Production Co. well in the pool listed below is hereby
revised as indicated.

Empire Abo

Windfohr Federal #1-P, 4-18-27, increased to 85 BOPD.

Nov. total, 2550 bbls

Dec. total, 2635 bbls

WAG:jw

Amoco Prod. Co.

Amoco

OIL CONSERVATION COMMISSION


Supervisor, District No. 2

EXTRA COPY

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. DRAWER DD
ARTESIA, NEW MEXICO

March, April, 1972

No. A 61

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE 4/6/72

PURPOSE: ALLOWABLE ~~REVISION~~ REVISION

Effective 4/6/72, the allowable of the following Amoco
Production Co. well in the Empire Abo Pool is hereby
revised as indicated.

Windfohr Fed. #1-P, 4-18-27

2 days at 55 bbls 110 bbls current
3 days at 94 bbls 282 bbls current
25 days at 116 bbls 2900 bbls current

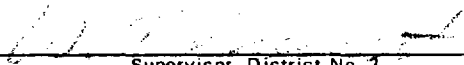
Total April Allowable, 3292 bbls.

WAG:jw

Amoco Prod. Co.

Amoco Pipeline Co.

OIL CONSERVATION COMMISSION



Supervisor, District No. 2

EXTRA COPY

P. O. DRAWER DD
ARTESIA, NEW MEXICO

No. A 58

DATE 4/3/72

Supervisor, District No. 2

EXTRA COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TR
(Other instruction
verse side)DATE
on re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-061783 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐2. NAME OF OPERATOR
Amoco Production Company3. ADDRESS OF OPERATOR
BOX 68, HOBBS, N. M. 882404. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FSL x 660' FEL Sec. 4 (Unit P, SE 1/4 SE 1/4)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3570' R. D. B.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

WINDFOHR FEDERAL

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

EMPIRE ABO

11. SEC., T., S., M., OR BLK. AND
SURVEY OR AREA

4-18-27 NMPM

12. COUNTY OR PARISH

EDDY

13. STATE

N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Acidized perforations 5540'-5618' w/ 2000 gal
solvent-acid blend + 2000 gal 20% NE acid
Evaluated and restored to production.

Prior - Pmp 52 BO+ O BW 24 hrs. GOR 1519.
After - Pmp 150 BO+ O BW 24 hrs. GOR 2440.

TD - 5800'
PBD - 5763'

5 1/2" CSA 5800'

OC - 3-29-72

COMP 4-5-72

RECEIVED

APR 7 1972

U. S. GEOLOGICAL
SURVEY
ARTESIA, N.M.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

AREA SUPERINTENDENT

DATE

APR 6 1972

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

0+4 USGS-ART
1- SUSP
1- DIV
1- ZIEGLER
1- WINDFOHR

APR - 7 1972

R. L. BEEKMAN
ACTING DISTRICT ENGINEER

See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TR CATE-
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL ☒ GAS ☐ OTHER ☐
WELL WELL

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
BOX 68, HOBBS, N. M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
660' FSL x 660' FEL Sec. 4 (Unit P, SE/4 SE/4)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
3570' R. D. B.

5. LEASE DESIGNATION AND SERIAL NO.
LC-061783 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
WINDFOHR FEDERAL

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
EMPIRE ABO

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
4-18-27 NMPM

12. COUNTY OR PARISH
EDDY

13. STATE
N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☒	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)		(Other)	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In an effort to increase productivity of well propose to acidize perforations 5540'-70', 5592'-5618' w/ 2000 gal solvent-acid blend + 2000 gal 20% N.E. acid. Evaluate and restore to production.

Latest test - Pmp 52 BO + 0 BW 24 hrs. G.O.R. 1519

TD - 5800'
PBD - 5763'

5 1/2" CSA 5800'
PERFS: 5540'-70'
5592'-5618'

RECEIVED
MAR 21 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE AREA SUPERINTENDENT DATE MAR 23 1972

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

014 USGS-ART
1- SUSP
1- DIV
1- RRY
1- HONDO
APPROVED
MAR 22 1972
H. L. BEEKMAN
ACTING DISTRICT ENGINEER
See Instructions on Reverse Side

NO. OF COPIES RECEIVED	5
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED

NAME CHANGED:
FROM: PAN AMERICAN PETRO. CORP.
TO: AMOCO PRODUCTION CO.
EFFECTIVE: 2-1-71

AUG 2 1966

O. C. C.

ARTESIA, OFFICE

Operator
~~PAN AMERICAN PETRO. CORP.~~

Address
Box 68, HOBBS, N.M. 88240

Reason(s) for filing (Check proper box)

New Well ☐
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:
Oil ☐
Casinghead Gas ☐

Dry Gas ☐
Condensate ☐

Other (Please explain)

From R. F. Windfohr

CHANGE IN LEASE NAME

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
WINDFOHR FEDERAL	1	EMPIRE ABO	State, Federal or Fee FED.	
Location	Unit Letter	Feet From The	Line and	Feet From The
	P	660	SOUTH	660
			Line and	EAST
Line of Section	Township	Range	NMPM,	County
4	18-S	27-E	EDDY	

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Eff. 4/1/70 name change from Service to Amoco Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) 3411 KNOXVILLE, LUBBOCK TEXAS
Well produces oil or liquids, the location of tanks.	Address (Give address to which approved copy of this form is to be sent) 40 PAN AMERICAN PETRO. CORP. Box 68, HOBBS, N.M.
Unit Sec. Twp. Rge.	Is gas actually connected? When
P 4 18 27	YES 9-3-60

this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Drill Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Deviations (DF, RKB, RT, GR, etc.) Effective 2-1-71	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations From: Pan American Petroleum Corp.			Depth Casing Shoe					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

I. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

044-NMOCC-A
1-NSW
1-UBP
1-SUSP
1-ATLANTIC
1-WINDFOHR
1-TRIGLER

(Signature)

(Title)

(Date)

AREA SUPT.

7-28-66

LO

OIL CONSERVATION COMMISSION

APPROVED AUG 2 1966

BY W. L. McIntire

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

SEP 19 1960

Company or Operator Pan American Petroleum Corporation Lease R. F. Windfehr

Well No. 1 Unit Letter P S 4 T 18S R 27E Pool Empire Abo

ARTESIA, OFFICE

County Eddy Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit P S 4 T 18S R 27E

Authorized Transporter of Oil or Condensate Service Pipe Line Company

Address Box 337, Midland, Texas

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas Empire Abo Gasoline Plant

Address c/o Pan American Petroleum Corp., Box 68, Hobbs, NM Date Connected 9-3-60

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head (x) Condensate ()

Change in Ownership () Other ()

Remarks: (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 15th day of September 19 60

Original Signed by
J. W. BROWN

By _____

Approved SEP 19 1960 19 60

Title Area Superintendent

OIL CONSERVATION COMMISSION

By [Signature]

Company Pan American Petroleum Corporation

Address Box 68, Hobbs, N.M.

Title OIL AND GAS INSPECTOR

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110

Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

SEP 9 1959

Company or Operator Pan American Petroleum Corporation Lease R. F. Windfohr

Well No. 1 Unit Letter P S 4 T 188 R 27E Pool Empire Abo

County Eddy Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit P S 4 T 188 R 27E

Authorized Transporter of Oil or Condensate Service Pipe Line Co., Box 337, Midland, Texas

Address _____

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas Gas Vented

Address _____

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Gas Flared

Reasons for Filing: (Please check proper box) New Well _____ ()

Change in Transporter of (Check One): Oil (☒) Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other _____ ()

Remarks: _____ (Give explanation below)

Transporter changed from Continental Pipe Line Co., to Service Pipe Line Co.,
effective 9-10-59

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 8th day of September 1959

By _____ Original Signed by
J. W. BROWN

Approved SEP 10 1959 1959

Title Area Superintendent

OIL CONSERVATION COMMISSION

Company Pan American Petr. Corp.

By M. L. Armstrong

Address Box 68 - Hobbs, NM

Title OIL AND GAS (MAY 1959)

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Pan American Petroleum Corporation Lease R.F. Windfohr

Well No. 1 Unit Letter P S 4 T 18 R 27 Pool Empire Abo

County Eddy Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit P S 4 T 18 R 27

Authorized Transporter of Oil or Condensate Continental Pipe Line Company

Address Box 367 Artesia, New Mexico

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas _____

Address _____ Date Connected _____

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Vented pending market arrangements.

Reasons for Filing: (Please check proper box) New Well _____ ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other Change Pool Designation (x)

Remarks: _____ (Give explanation below)

Filed to show designation as Empire Abo.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 29 day of May 19 59

Original Signed By
J. W. BROWN

By _____

Approved JUN 8 1959 19 _____

Title Area Superintendent

OIL CONSERVATION COMMISSION

Company Pan American Petroleum Corp.

By W. A. Gressett

Address Box 68

Title OIL AND GAS INSPECTOR

Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110

Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

RECEIVED
MAY 25 1959

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Pan American Petroleum Corporation Lease R. F. Windfohr

Well No. 1 Unit Letter P S L T 18 R 27 Pool Empire Abo

County Eddy Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit P S L T 18 R 27

Authorized Transporter of Oil or Condensate Continental Pipe Line Company

Address Box 367, Artesia, New Mexico
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas _____

Address _____
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Vented pending market arrangements

Reasons for Filing: (Please check proper box) New Well _____ ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other Change Transporter ()

Remarks: _____
(Give explanation below)

Filed to change transporter from Malco Refineries, Inc. to Continental Pipe Line Company effective May 1, 1959.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 19th day of May 19 59

By _____
Original Signed By
J. W. BROWN

Approved MAY 25 1959 19 _____

Title Area Superintendent

OIL CONSERVATION COMMISSION

Company Pan American Petroleum Corporation

By W. H. Armstrong

Address Box 68

Title OIL AND GAS INSPECTOR

Hobbs, New Mexico

NEW MEXICO

OIL CONSERVATION COMMISSION

Post Office Box 2045

Hobbs, New Mexico

May 26, 1959

Pan American Petroleum Corporation
P. O. Box 68
Hobbs, New Mexico

Re: Undesignated Well
Placed in Pool

Gentlemen:

In accordance with the provisions of Commission
Order R-1397, your R. F. Windfohr No. 1
oil well in Unit P of Section 4, Township 18 South, Range 27
East, which is currently listed in the "Undesignated Section"
of the Proration Schedule, will appear in the Empire-Abo
Pool in the
Schedule.

Please file Form C-110 showing the change in pool
designation of this well with the Artesia office of the Oil
Conservation Commission.

Yours very truly,

OIL CONSERVATION COMMISSION

R. F. Montgomery
Proration Manager

RFM:mg

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from ~~Surface~~ feet to ~~5800~~ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed ~~3-26~~, 19 ~~52~~

Put to producing ~~3-25~~, 19 ~~59~~

The production for the first 24 hours was ~~103~~ barrels of fluid of which ~~100~~% was oil; _____% emulsion; _____% water; and _____% sediment.

Gravity, °Bé. ~~42°~~

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

~~Orvil Sargent~~, Driller

~~E. E. Foster~~, Driller

~~P. F. Hoffman~~, Driller

~~R. B. Sims~~, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	360	360	Red Bed
360	790	430	Red Bed and Shale
790	1453	663	Anhy.
1453	1580	127	Anhy., Lime
1580	1660	80	Sand and Lime
1660	3618	1958	Lime
3618	3922	304	Lime and sand
3922	5800	1878	Lime
			TOPS
			San Andres 1550'
			Glorieta 3020'
			Abo 5130'
			Abo Reef 5230'

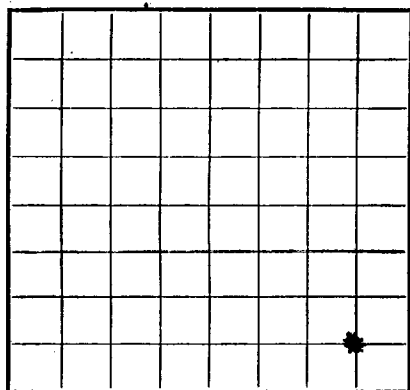
(OVER)

16-43094-4

COPY TO O. C. C.

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-880



LOCATE WELL CORRECTLY

 U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER LC 061783 (a)
 LEASE OR PERMIT TO PROSPECT _____

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

1

LOG OF OIL OR GAS WELL

 Company Pan American Petroleum Corp. Address Box 68 - Hobbs, New Mexico
 Lessor or Tract R. F. Windfohr Field Empire Abo State New Mexico
 Well No. 1 Sec. 4 T18S R. 27E Meridian NMPM County Eddy
 Location 660 ft. N. of S. Line and 660 ft. E. of E. Line of Section 4 Elevation 3570 nRDB
 (Derrick floor relative to sea level)

 The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Signed _____ Original Signed by J. W. BROWN

Date April 1, 1959 Title Field Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 2-25, 1959 Finished drilling 3-25, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

 No. 1, from 5592 to 5618 No. 4, from _____ to _____
 No. 2, from 5540 to 5570 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

 No. 1, from _____ to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8	J-55	1494	Float				Surface
5-1/2	11	8	J-55	5823	Float		5592	5618	Oil String
							5540	5570	w/2 shots per foot.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1198	750	HOWCO		
5-1/2	5800	250	HOWCO		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) -/(GAS) ALLOWABLE

New Well
---Recompletion---

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico

March 30, 1959

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Pan American Petroleum Corp. - R. F. Windfohr, Well No. 1, in SE $\frac{1}{4}$ SE $\frac{1}{4}$,

(Company or Operator)

(Lease)

P 4, Sec. 4, T. 18 - S, R. 27 - E, NMPM., Empire Abo Pool

Unit Letter

Eddy

County. Date Spudded 2-25-59 Date Drilling Completed 3-25-59

Elevation 3570 RDB Total Depth 5800 PBTD 5763

Top Oil/Gas Pay 5230 Name of Prod. Form. Abo

PRODUCING INTERVAL -

Perforations 5592 - 5618, 5540 - 5570

Open Hole - Depth 5800 Casing Shoe 5800 Depth 5615 Tubing

OIL WELL TEST -

Natural Prod. Test: 103 bbls. oil, no bbls water in 24 hrs, 9/64" min. Size 9/64" Choke

Test After Acid 103 Treatment (after recovery of volume of oil equal to volume of load oil used): 103 bbls. oil, no bbls water in 24 hrs, 9/64" min. Size 9/64" Choke

GAS WELL TEST -

Natural Prod. Test: 103 MCF/Day; Hours flowed 24 Choke Size 9/64"

Method of Testing (pitot, back pressure, etc.): 103

Test After Acid or Fracture Treatment: 103 MCF/Day; Hours flowed 24

Choke Size 9/64" Method of Testing: 103

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): Acidized with 2500 gallons acid.

Casing Pkr Tubing 700 Date first new 3-25-59 oil run to tanks

Oil Transporter Malco Refineries, Inc. P. L. Div.

Gas Transporter Malco Refineries, Inc. P. L. Div.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

Sec. 4, T-18-S, R-37-E

Tubing, Casing and Cementing Record

Size	Feet	Sax
<u>8-5/8</u>	<u>1494</u>	<u>750</u>
<u>5-1/2</u>	<u>5800</u>	<u>250</u>
<u>2-3/8</u>	<u>5615</u>	

Remarks: 103

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved 1959, 19

Pan American Petroleum Corporation
(Company or Operator)

OIL CONSERVATION COMMISSION

By: M L Armstrong

Title OIL AND GAS INSPECTOR

Original Signed By: J. W. Brown
(Signature)

Title Field Superintendent

Send Communications regarding well to:

Name J. W. Brown

Address Box 68 - Hobbs, New Mexico

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Pan American Petroleum Corporation Lease R. F. Windfohr

Well No. 1 Unit Letter P S 4 T18S R 27E Pool (Empire Abo)

County Eddy Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit P S 4 T 18 S R 27 E

Authorized Transporter of Oil Malco Refineries, Inc. P. L. Div.

Address Box 660, Roswell, N. M.

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas

Address

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Vented pending market arrangements.

Reasons for Filing: (Please check proper box) New Well (X)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other ()

Remarks: (Give explanation below)

Completed as an oil well 3-26-59.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 30 day of March 19 59

Approved MAR 31 1959 19

By J. W. BROWN Original Signed By

Title Field Superintendent

OIL CONSERVATION COMMISSION

Company Pan American Petroleum Corporation

By M. L. Armstrong

Address Post Office Box 68

Title OIL AND GAS INSPECTOR

Hobbs, New Mexico

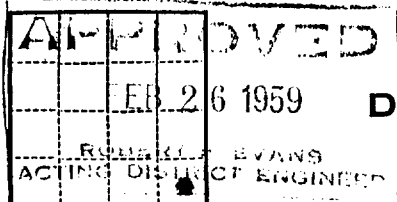
COPY TO O. C. C.

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Land Office Las CrucesLease No. LC 661783 (C)

Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	☒	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

A. F. WINDFORDFebruary 21, 1959Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 4SE 1/4 SE 1/4 Section 418 S27 EWPM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Empire Abo Ex.EddyNew Mexico

(Field)

(County or Subdivision)

(State or Territory)

FEB 26 1959

The elevation of the derrick floor above sea level is _____ ft. furnish later.

ARIESIA, NEW MEXICO

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill the above well with rotary tools to an approximate depth of 6200' to test the Abo. Casing program will be as follows:

Size of Hole	Size of Casing	Depth	Cement
11"	8-5/8"	1500'	Circulate 2 1/2 Gal plus 100 sacks seat on bottom.
7-7/8"	5-1/2"	6200'	150 sacks

NOTE: Please insert lease number.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum CorporationAddress Post Office Box 68Hobbs, New Mexico

By

Original Filed by

J. W. PUGHEN

Title

Field Superintendent

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date Feb. 20, 1959

Operator Pan American Pet. Corp. Lease Windfohr
Well No. 1 Unit letter P Section 4 Township 18S Range 27E NMPM
Located 660 Feet From South Line, 660 Feet From East Line
County Eddy G. L. Elevation furnish later Dedicated Acreage 10 Acres
Name of Producing Formation Abs Pool Empire Abs

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes x No .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

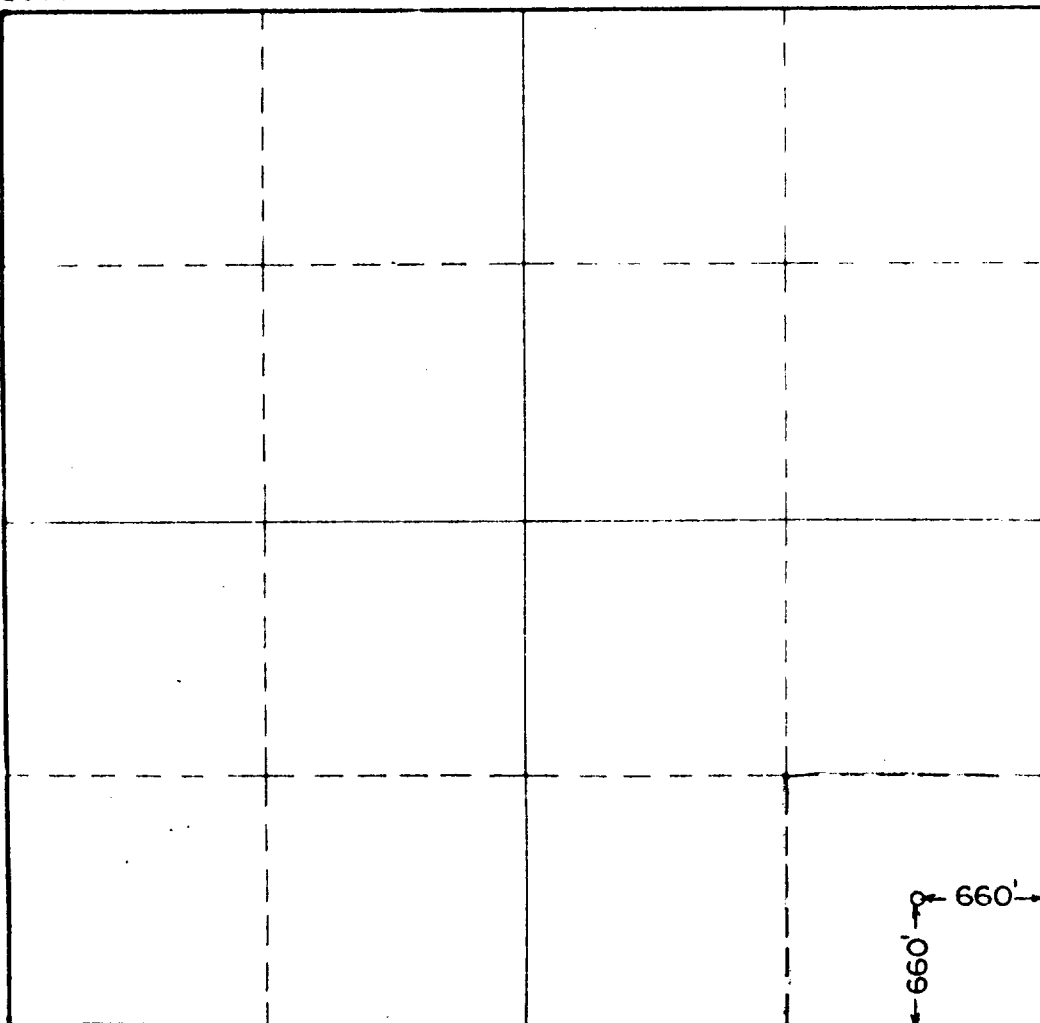
Owner

Land Description

RECEIVED
FEB 26 1959

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Pan American Petroleum Corporation
(Operator)

Original Signed by
I. W. [Signature]

(Representative) **Fld. Supt.**

Box 68 - Hobbs, New Mexico
Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed Feb. 19, 1959

[Signature]
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 676

(See instructions for completing this form on the reverse side)

JOHN W. WEST ENGINEERING COMPANY
412 NORTH DAL PASO
HOBBS, NEW MEXICO

February 20, 1959

Pan American Pet. Corp.
Box 68
Hobbs, New Mexico

RECEIVED
FEB 26 1959
U. S. GEOLOGICAL
ARTESIA, NEW MEXICO

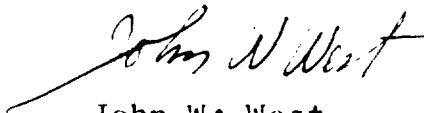
Gentlemen:

On February 18, 1959 a survey was made to locate your
• Windfohr No. 1 well site at a point 660 feet from the south
line and 660 feet from the east line of Section 4, Township
18 South, Range 27 East, N. Mex. P. M., Eddy County, N. Mex.

A flag was set on the USGLO Quarter corner common to
sections 4 and 9. The transit was set up on the USGLO Section
corner common to sections 3, 4, 9, and 10. Thence chaining
S 89°50' W from the transit a distance of 660 feet and thence
N 0°38' W 660 feet to the location site. As a check on our
survey we chained S 0°38' E 660 feet and thence S 89°50' W
1970 feet to the quarter corner common to sections 4 and 9
tying in within 0.8 feet of the distance called for in the
field notes.

I hereby certify that the foregoing survey was made in
the field under my supervision, and that the same is true
and correct to the best of my knowledge and belief.

Respectfully submitted,

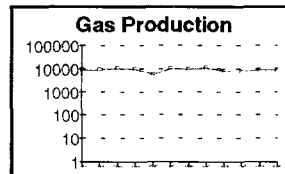
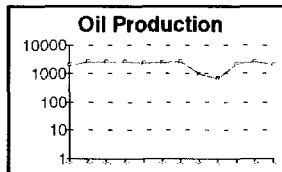

John W. West

Lease: EMPIRE ABO UNIT L
Field: EMPIRE (ABO) AB
Operator: VASTAR RESOURCES INC
RCI #: 150,015,18S27E04PPKAB
API #: 30-015-00773-00

Well #: 000008
Location: 4P 18S 27E
Liquid Cum: 414,526 bbls
Gas Cum: 1,156,979 mcf
Status: P&A OIL

FP Date: N/A
LP Date: 73-09
Liq Since: N/A
Gas Since: 59-01

DATE	OIL, BBLs	GAS, MCF	WATER, BBLs	WELLS
10/1972	2,024	9,105	0	1
11/1972	2,582	9,070	0	1
12/1972	2,630	10,791	0	1
01/1973	2,688	9,984	0	1
02/1973	2,331	5,893	0	1
03/1973	2,554	10,560	0	1
04/1973	2,576	9,936	0	1
05/1973	940	11,519	0	1
06/1973	684	8,345	0	1
07/1973	2,270	7,550	0	1
08/1973	2,634	9,409	0	1
09/1973	2,032	9,073	0	1
Total	25,945	111,235	0	



P&A 2/87

1/73 - end production

1/73 - 2/73

WCO

petroROM Well Report
Copyright 1997 by Petroleum Information/Dwights LLC

----- General Information -----

State : NMEX	Final Status : OIL
County : EDDY	Total Depth : 5800
Field : EMPIRE	Spud Date YYYYMMDD: 19590225
Operator Name : PAN AMERICAN	Comp Date YYYYMMDD: 19590326
Well Number : 1	Hole Direction : VERTICAL
Lease Name : RF WINDFOHR-FEDERAL	
API Number : 30015007730000	
Section or Equiv : SEC 4	Init Lahee Class : D
Township : S018	Final Lahee Class: DO
Range : E027	Permit Number :
Spot :	Elevation : 3568 (DF)
Base Meridian : NEW MEXICO (21)	
Geologic Province: PERMIAN BASIN	
Formation at TD :	
Oldest Age Pen : PERMIAN LEONARDIAN (452)	

Producing Formation: 452ABO

ABO

----- Additional Location Information -----

Footage Location : 660FSL 660FEL SEC LN
Location Narrative:

Latitude : 32.77128	Latitude (Bot) :
Longitude : 104.27632	Longitude (Bot) :

Latitude & Longitude Source: USGS

----- Initial Potential Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rte	FTP	BHP	Ck	M	BHT
0001 452ABO	5540	5618	103 BOPD			700		9	F	

IP Treatment

Test	Top	Base	Volume	Meas	Amount	T/P	PSI	Inj	Type	Nbr	Agent	Add
0001	5540	5570	3000	GALS					ACID			

Note: There Are Detail Perforations Associated With These I/P Tests

----- Production Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rte	FTP	BHP	Ck	M	BHT
0001 452ABO	5592	5618							S	
0002	5592	5618							S	

PDT Treatment

Test	Top	Base	Volume	Meas	Amount	T/P	PSI	Inj	Type	Nbr	Agent	Add
0001	5592	5618	500	GALS					ACID			
0002	5592	5618	2000	GALS					ACID			

Note: There Are Detail Perforations Associated With These Production Tests

----- Formation Tops -----

Form	Depth	Source	Show
------	-------	--------	------

453QUEN	855	LOG	
453SADR	1547	LOG	
453GLRT	2983	LOG	
452ABO	5175	LOG	IP TEST-O
452ABRF	5230	LOG	

----- Log Data -----

Type	Top	Base
LL		
NE		
GR		

----- Casing Data -----

Size	Depth	Cement
8 5/8	1498	750
5 1/2	5800	250

----- Actual Bottom Hole From Surface Location -----

Meas Depth	True Vert Depth	Closure Ft Deg Min	N/S Footage	E/W	State Code	County Code

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

Date	Remarks

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135 -
Expires September 10, 1990

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposalsAREA **SUBMIT IN TRIPLICATE**

1. TYPE OF WELL

☒ OIL
WELL☐ GAS
WELL☐ OTHER

2. NAME OF OPERATOR

ARCO Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1610, Midland, TX 79702

(915) 688-5672

4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description)

1980 FNL & 1980 FWL (Unit Letter F)
9-18S-27E

5. LEASE DESIGNATION AND SERIAL NO.

NM - 031186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

8. WELL NAME AND NO.

Empire Abo Unit "N" #6

9. API WELL NO.

30-015-00836

10. FIELD AND POOL, OR EXPLORATORY AREA

Empire Abo

11. COUNTY OR PARISH, STATE

Eddy

12.

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT☒ SUBSEQUENT REPORT☐ FINAL ABANDONMENT NOTICE

TYPE OF ACTION

☒ ABANDONMENT☐ RECOMPLETION☐ PLUGGING BACK☐ CASING REPAIR☐ ALTERING CASING☐ Other☐ CHANGE OF PLANS☐ NEW CONSTRUCTION☐ NON-ROUTINE FRACTURING☐ WATER SHUT-OFF☐ CONVERSION TO INJECTION(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

10-1-92 RUPU. Locate top hole at 2177 & bttm hole at 3682. Press test csg f/surf - 2176 &
f/3683 - CIBP at 5415. o.k. P&A'd as follows:

Plug	Interval	Cmt	Remarks
1	5342-5415	5 sx	Spot on top of CIBP at 5415'. Displace hole w 10# MLF (25# salt gel/bbl).
2	3735-3880	10 sx	Spot
3	2470-2720	20 sx	Spot
4	2111-2177	590 sx	Holes at 2177'. CR at 2146'. Circ cmt out 8-5/8 x 4-1/2. Dmp 35' cmt on top of CR.
5	1400-1550	10 sx	Spot
6	0-150	10 sx	Spot. Cut off well head & installed Dry hole marker.

P & A'd 10-2-92

Approved by _____
Librarian _____

14. I hereby certify that the foregoing is true and correct

SIGNED

Ken G. Gosnell

TITLE

Regulatory Coordinator

DATE

12-21-92

(This space for Federal or State office use)

APPROVED BY

David R. Glass

TITLE

DATE

1-6-93

CONDITIONS FOR APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
West Red Lake Waterflood Project

Well Name: Empire ABO Unit "N" #6
Location: Section 9 -18S-27E 11980' FNL + 1980' F100
Operator (at time of plugging): ARCO Oil & Gas Company
Date Plugged: 10/2/92
Information Obtained From: BLM Sundry Notice

Comments:
 Located top hole @ 2177' + btm hole @ 3483' Press
 test 18g f/surf - 2170' + f/3483' - CIBP @ 5415' PL.
 D-A US Patents:

Downhole Schematic:

CEMENT PLUGS

108X 0-150'

108X 1400-1550'

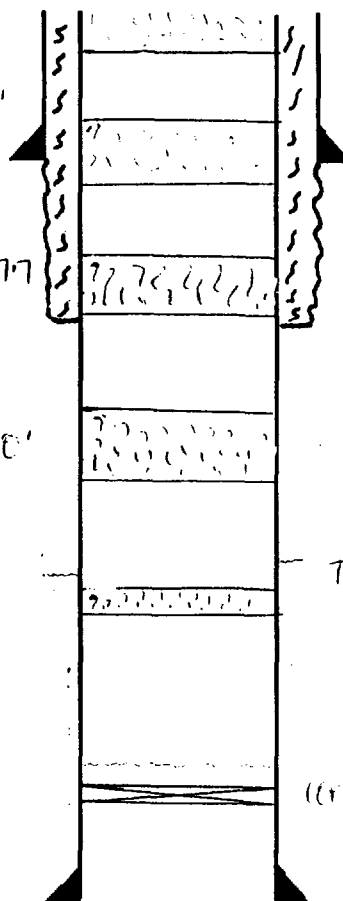
590 SX 2111-2177
CIRC'D TO SURF.

120 SX 2470-2720'

155X 53412-5415'

2112-5415'

ILLEGIBLE



80/8" 24# CS @ 1404' w/ 100
 SXs CMT. T.C. @ surf.

T.C. 3720'

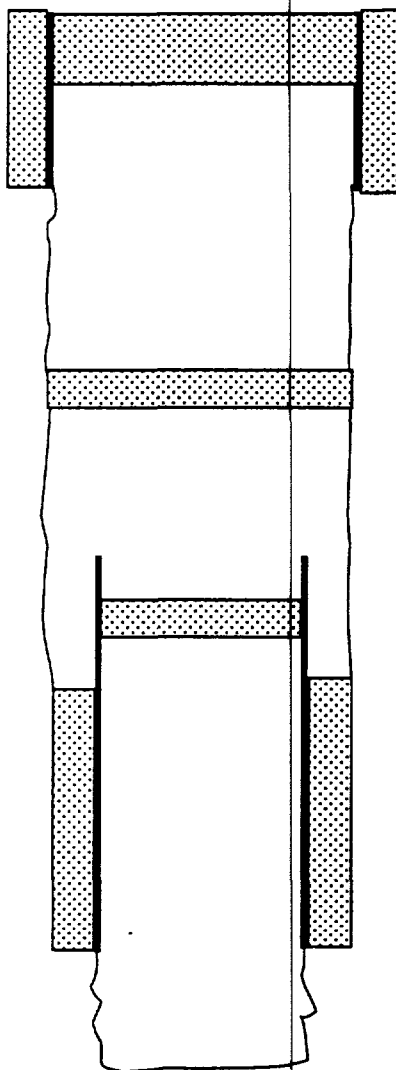
(original perforations 2500-5000')

4 1/2" 9.5# @ 5687' w/ 200 SXs CMT.
 TD 5700' T.C. @ 5700'

VI Plugged Abandoned Wells

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: KAISER #3			OPERATOR: Weier Drilling Co.			FIELD: Red Lake	
LOCATION: 1650' FSL & 1650' FEL, Sec. 7-18S-27E			COUNTY: Eddy			STATE: NM	
ELEVATION: 3420' GL			SPUD DATE: 11/16/48			COMP DATE: 12/22/48	
API #:		PREPARED BY: Karen Byers				DATE: 8/20/97	
	DEPTH		SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-114'		9 5/8"	36#		8rd	
CASING:	0-1240'		7"	20#		8rd	
CASING:							
TUBING:							
TUBING:							



Cement plug @ surface.

9 5/8" @ 114' w/50 sx. TOC @ surface (calc).

Cement plug @ 550' (25 sx).

Top of 7" casing @ 693'.

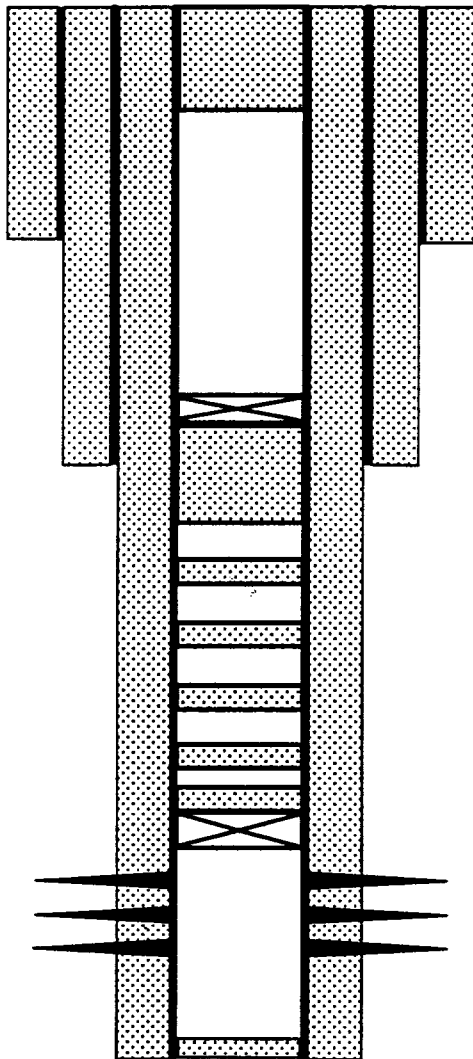
Cement plug 795'-820' (25 sx).

7" @ 1240' w/75 sx. TOC 910' (calc). Cut off and pulled 706' of casing.

TD 1626'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: HONDO "B" FEDERAL GAS COM #1			OPERATOR: AMOCO		FIELD: Red Lake	
LOCATION: 2310' FSL & 660' FWL, Sec. 8-18S-27E			COUNTY: Eddy		STATE: NM	
ELEVATION: 3388' GL			SPUD DATE: 11/8/74		COMP DATE: 1/15/75	
API #: 30-015-21114		PREPARED BY: Karen Byers				DATE: 7/30/97
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-321'	13 3/8"	48#			17 1/2"
CASING:	0-2010'	8 5/8"	24#			11"
CASING:	0-9417'	5 1/2"	14-17#			7 7/8"
TUBING:						
TUBING:						



Cement plug (15 sxs) @ 120'

13 3/8" @ 321' w/300 sxs. Circ'd cmt to surface.

Cement retainer @ 1950', squeezed 550 sxs, circ'd 30 sxs out 8 5/8" csg.

8 5/8" @ 2010' w/1100 sxs. Circ'd cmt to surface.

Hole in csg @ 2885'-90'

20 sxs cmt @ 3145'

20 sxs cmt @ 5175'

20 sxs cmt @ 6218'

20 sxs cmt @ 8075'

CIBP @ 8720' w/10 sxs cmt on top.

Perforations:

9314'-22'

9325'-31'

9340'-43'

5 1/2" @ 9417' w/850 sxs. TOC @ 3591' (calc)

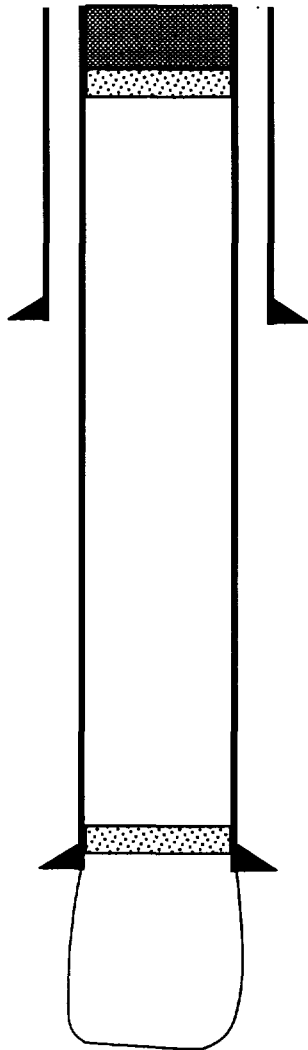
TD @ 9418', PBD @ 9362'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Mann #6				FIELD: Red Lake		
LOCATION: 1620' FNL & 2340' FEL, Sec. 4-18S-27E				COUNTY: Eddy	STATE: NM	
ELEVATION: 3525' GL				SPUD DATE: 3/13/35	COMP DATE: 11/5/35	
API #: 30-015-00765		PREPARED BY: T. Rutelonis			DATE: 10/8/98	
SIZE	WEIGHT	GRADE	THREAD	DEPTH	TOC	CEMENT TYPE
10"				480'		
8-1/4"				1218'		

Operator: R.D. Compton

Well D&A 11/5/35 (no plugging info available, see attached info from PI and NM School of Mines Well Log Division)



5 sx cmt plug @ 150'-200' filled w/ mud 150'-surf.

10" csg set @ 480'

5 sx cmt plug @ 1170'-2000'

8-1/4" csg set @ 1218' (no cmt report available)

TD @ 1420'

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

COUNTY Eddy
FIELD
COMPANY R. D. Compton
LEASE Mann No. 6 Well
LOCATION (¼) NW SW NE
SEC. 4 T. 18S R. 97E
1620 feet from north line and
2340 feet from east line of Section
COMMENCED 3-13-35
COMPLETED 11-5-35
ABANDONED
REMARKS: IP: D&A.

CASING RECORD		ELEVATION	3525 (L&S)	FEET
Diam., in.	Bottom			
10"	480'	Open		bbls. Oil
8 1/4"	1218'	Open		cu. ft. Gas
		Tbg.		bbls. Oil
		Tbg.		cu. ft. Gas

INITIAL DAILY PRODUCTION:

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Red bed and gyp	4	Lime	373
Red bed	60	Gyp and shale	383
Gyp	63	Gray gyp	388
Red bed	94	Gyp and lime	390
White gyp	100	Gyp	405
Gyp	116	Gyp and sandy lime	412
Red bed	128	Dark gray sandy lime	420
Gyp	145	Gyp and lime	425
Red bed	155	Gyp	431
Gyp	158	Gyp - 135' wtr in hole	435
Red bed	163	Gyp	448
Gyp	167	Gyp and shale	450
Red bed	173	Gyp	466
Red and white gyp	178	Gray gyp, shale and red bed	479
White gyp and red sand	182	Gray gyp	486
Red bed	186	Gray and pink gyp and shale	490
Gyp	190	Gyp	495
Gray lime	195	Gyp and gray lime	500
Gray gyp and red bed	200	Gray gyp	510
Red bed	204	White gyp	519
Gyp and lime	215	Dark gray lime	523
Gyp	235	Gyp and shale	527
Gyp and blue shale	240	Gyp and blue shale	531
Gyp	252	Gyp, gray shale, SO	535
Gyp, shale and sul wtr.	256	Gyp, anhydrite and brown	
Gyp and gray lime	259	shale	540
Gray and brown lime	264	Gyp and blue shale	545
Gyp and gray lime	268	Blue shale	546
Gyp	270	Red bed	548
Red bed	276	Gyp	550
Gyp	279	Gyp and red sand	553
Gyp and gray lime	285	Gyp	566
Gyp	310	Gray lime	574
Shale	311	Gray shale	575
Gyp	321	Gray gyp	577
Gyp and shale	326	White shale	578
Sandy lime	332	Gray gyp	579
Gyp	338	Pink and gray gyp and red bed,	
Lime and gyp, SO	347	SO 586-90	590
Brown lime and gyp	351	Gray and gyp and white shale	
Gyp and lime	367		596
Gyp and shale	374	Gray gyp	603
		Gyp and lime	608

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

(Page 2)

COUNTY Eddy
FIELD
COMPANY R. D. Compton
LEASE Mann No. 6 Well
LOCATION (4)
SEC. 4 T. 19S R. 37E
feet from line and
feet from line of Section

CASING RECORD		ELEVATION	FEET	
Diam., in.	Bottom			
		INITIAL DAILY PRODUCTION:		
		Open	bbls. Oil	COMMENCED
		Open	cu. ft. Gas	COMPLETED
		Tbg.	bbls. Oil	ABANDONED
		Tbg.	cu. ft. Gas	REMARKS:

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Gray sandy lime	609	Red sand and white gyp	840
Blue shale, SO	610	Red sand	845
Gray and white gyp and shale	616	Gyp and shale	848
Red sand	640	Gyp	855
Blue shale	642	Red bed	856
Gray and white gyp	652	Gray and white gyp	863
Shale	654	Gray lime	867
Red bed	661	Gray and pink gyp, hard	873
Red bed and gyp	667	Brown gyp	877
White shale	668	Dark gray gyp	891
Red bed and gyp	670	Gray gyp, red bed and red	
Gray gyp	684	sand	894
White gyp and blue shale	686	Gray and brown gyp and	
Gray and white gyp	700	brown sand	897
Gray gyp	705	Gray and brown gyp	901
Gray and pink gyp	712	Pink gyp	904
Pink gyp and red bed	714	Red sand	908
Pink and gray gyp	718	Dark gray lime	920
Pink gyp	721	Gray lime	924
Pink gyp and red bed	724	Gray gyp	935
Pink gyp	727	Gray and pink gyp	940
Gray and pink gyp	730	Gray gyp	945
Gray and pink gyp	741	Red bed, red sand and gyp	951
Red bed and pink gyp	745	Gyp and red sand	956
Gray and white gyp	750	Gyp and red sand	960
Red bed	751	Gray lime	968
Brown sand	755	Gray lime, gray gyp and	
Brown sand and red bed	761	red bed	978
Gray gyp	765	Hard gray lime	980
Dark gray lime, little SO.	769	Gray sandy lime	983
White gyp, hard	777	Gray sandy lime and brown gyp	
Red bed	778		985
Gray gyp and red bed	794	Brown gyp and sand	987
Gray and brown gyp	803	Brown and white gyp	991
Blue sandy gyp	815	Gray lime, white and brown	
Red sand	817	gyp	995
Blue and white gyp, hard	821	White and brown gyp	1004
Blue sand and shale	825	Gray lime, white and brown	
Blue sand	829	gyp	1011
Red sand	830	Gray lime and gyp	1017
Red sand and blue shale	832	White and gray gyp	1025
Red sand and mica	838	Pink, gray and white gyp	1034

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO
NEW MEXICO WELL LOG DIVISION

(Page 3)
COUNTY Eddy
FIELD
COMPANY R. D. Compton
LEASE Mann No. 6 Well
LOCATION (1/4)
SEC. 4 T. 18S R. 27E
feet from line and
feet from line of Section

CASING RECORD		ELEVATION	FEET	
Diam., in.	Bottom			
		INITIAL DAILY PRODUCTION:		
		Open	bbls. Oil	COMMENCED
		Open	cu. ft. Gas	COMPLETED
		Tbg.	bbls. Oil	ABANDONED
		Tbg.	cu. ft. Gas	REMARKS:

FORMATION	BOTTOM, FEET	FORMATION	BOTTOM, FEET
Gray and white gyp	1038	Gray and brown lime	1290
Gray, white and pink gyp		Gray lime	1300
and white shale	1043	Gray and white gyp	1305
Blue sandy shale	1052	Gray sand	1308
Dark gray sandy lime,		Gray sand and gyp	1313
water sand 1047	1054	White sand, SO	1320
White water sand (1070 -		Gray lime	1322
white lime)	1056	Gray and white gyp	1328
White sand	1080	Gyp and brown sand	1338
White shale	1086	Brown sand	1345
White sand	1090	Gray gyp and gray lime	1352
White sand and red rock	1094	Gyp and brown lime	1362
Red sand	1105	Pink and gray lime	1366
Red sand and pink gyp	1110	Gyp and brown sand	1372
Red and white gyp and		Gray lime and brown sand	1376
blue shale	1115	Gray lime	1381
Gray lime	1125	White gyp and brown sand	1384
Red sand	1130	Gray lime	1390
Gray lime	1145	Gray lime HFW 1417-20	1420
Red sand	1155		
Pink and red gyp	1160		
Pink and red gyp and gray			
lime	1165		
Hard gray lime	1170		
White gyp	1175		
Hard gyp	1180		
Gray sandy gyp	1188		
Red bed	1191		
Gray gyp	1196		
Gray sand and white gyp	1208		
Gray sand and red bed	1211		
Gray and pink lime	1222		
Hard gray lime	1225		
White shale	1227		
Gray lime	1243		
Hard gray lime	1246		
Brown, pink and gray lime	1252		
Gray lime	1254		
Brown lime	1265		
Gray sandy lime	1270		
Gyp and brown sand	1275		
Gray lime	1283		

T.D.

✓

petroROM Well Report
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----- General Information -----

State : NMEX	Final Status : D&A-O
County : EDDY	Total Depth : 1420
Field :	Spud Date YYYYMMDD: 19350314
Operator Name : COMPTON R D	Comp Date YYYYMMDD: 19351105
Well Number : 6	Hole Direction : VERTICAL
Lease Name : MANN	
API Number : 30015007650000	
Section or Equiv : SEC 4	Init Lahee Class : WF
Township : S018	Final Lahee Class: WF
Range : E027	Permit Number :
Spot :	Elevation : 00000 ()
Base Meridian : NEW MEXICO (21)	
Geologic Province: PERMIAN BASIN	
Formation at TD :	
Oldest Age Pen :	

Producing Formation:

----- Additional Location Information -----

Footage Location : 1620FNL 2340FEL SEC LN
Location Narrative:

Latitude : 32.77880	Latitude (Bot) :
Longitude : 104.28182	Longitude (Bot) :

Latitude & Longitude Source: USGS

----- Casing Data -----

Size	Depth	Cement
10	480	
8 1/4	1218	

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min		Footage	Code	Code

----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

Date	Remarks
------	---------

OPERATOR (#226928)			WELL NAME					WELL #
EXXON CO USA			RED LAKE FEDERAL C					000001
LOCATION		STATE	DIST	COUNTY (#015)			LEASE #	
6L 18S 27E		NM	002	EDDY			0	
API #		FIELD (#8060274)					RESERVOIR	
30-015-2165400		RED LAKE (PENN) PN					PENN	
TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD	N-FACTOR
			ELNAT	PERMI			0.981	
COMP DATE	1ST PROD DATE		LAST PROD DATE			STATUS DATE		STATUS
	7703		7805			8002		P&A
CUM THRU LPD GAS/MCF		GAS CUM SINCE DATE		CUM THRU LPD COND/BBLs			COND CUM SINCE DATE	
387471		FPDAT		1194			FPDAT	

per OGD
 (Artesia)

CIBP in 4 1/2" csg @ 7100
 capped w/ 4 5x Cmt TAC 7050'
 circ hole w/ 9.5# mud

Spotted 25 5x plug 5845-6000

Spot 25 5x @ 3975-4150

Spot 25 5x 1950-2100

Spot 25 5x Surf -150

Removed wellhead & install marker

P&A 8-31-78

*** ANNUAL PRODUCTION HISTORY ***			
YEAR	GAS/MCF	COND/BBLs	WATER/BBLs
1977	377763	1191	0
1978	9708	3	0

*** MONTHLY PRODUCTION HISTORY ***

MONTH	GAS MCF	CUM GAS MCF	COND BBLs	CUM COND BBLs	WATER BBLs	DAYS ON
MAR	81206	81206	431	431	0	-
APR	62352	143558	244	675	0	-
MAY	61047	204605	173	848	0	-
JUN	47780	252385	135	983	0	-
JUL	40383	292768	94	1077	0	-
AUG	33702	326470	67	1144	0	-
SEP	26903	353373	44	1188	0	-
OCT	17434	370807	3	1191	0	-
NOV	709	371516	0	1191	0	-
DEC	6247	377763	0	1191	0	-
1977	377763	377763	1191	1191	0	
JAN	4290	382053	0	1191	0	-
FEB	857	382910	3	1194	0	-
MAR	2594	385504	0	1194	0	-
APR	1899	387403	0	1194	0	-
MAY	68	387471	0	1194	0	-
1978	9708	387471	3	1194	0	

----- General Information -----

State : NMEX Final Status : GAS
County : EDDY Total Depth : 9360
Field : RED LAKE Spud Date YYYYMMDD: 19751107
Operator Name : EXXON Comp Date YYYYMMDD: 19751220
Well Number : 1 Hole Direction : VERTICAL
Lease Name : RED LAKE FED COM
API Number : 30015216540000
Section or Equiv : SEC 6 Init Lahee Class : D
Township : S018 Final Lahee Class: DG
Range : E027 Permit Number :
Spot : Elevation : 3403 (KB)
Base Meridian : NEW MEXICO (21)
Geologic Province: PERMIAN BASIN
Formation at TD : (409PSLV) PENNSYLVANIAN
Oldest Age Pen : PENN MORROWAN (402)

Producing Formation: 409PSLV PENNSYLVANIAN

----- Additional Location Information -----

Footage Location : 1980FSL 810FWL SEC LN
Location Narrative:

Latitude : 32.77522 Latitude (Bot) :
Longitude : 104.32317 Longitude (Bot) :

Latitude & Longitude Source: USGS

----- Initial Potential Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rte	FTP	BHP	Ck M	BHT
0001 409PSLV	9216	9240		2173 MCFD				14 F	

----- Production Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rte	FTP	BHP	Ck M	BHT
0001 402MRRW	9216	9240		2250 MCFD				48 F	
0002 402MRRW	9216	9240		3000 MCFD		600		32 F	

PDT Treatment

Test	Top	Base	Volume Meas	Amount	T/P	PSI	Inj Type	Nbr	Agent	Add
0001	9216	9240	5000 GALS				ACID			

Note: There Are Detail Perforations Associated With These Production Tests

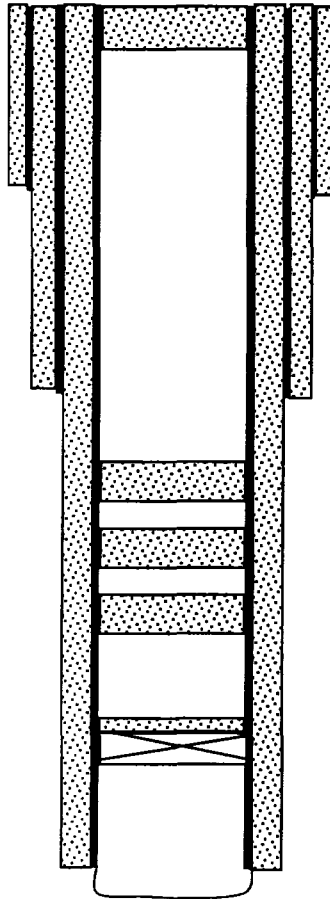
----- Formation Tops -----

Form	Depth	Source	Show
453QUEN	555	LOG	
453GRBG	995	LOG	
453SADR	1220	LOG	
453GLRT	2563	LOG	
452YESO	2770	LOG	
452CLFK	3465	LOG	
452TUBB	4045	LOG	

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Red Lake Federal Com #1				FIELD: Red Lake (Penn)		
LOCATION: 1980' FSL & 810' FWL, Sec. 6-18S-27E				COUNTY: Eddy	STATE: NM	
ELEVATION: 3403' KB				SPUD DATE: 11/7/75	COMP DATE: 12/20/75	
API #: 30-015-21654		PREPARED BY: T. Rutelonis			DATE: 10/29/98	
SIZE	WEIGHT	GRADE	THREAD	DEPTH	TOC	CEMENT TYPE
13-3/8"				243'		240 sx
8-5/8"				2016'		1050 sx
4-1/2"				9340'		870 sx

Operator: Exxon Co., USA
Well P & A 8/31/78



Spot 25 sx plug surf-150'

13-3/8" csg set @ 243' w/ 240 sx cmt

8-5/8" csg set @ 2016' w/ 1050 sx cmt

Spotted 25 sx plug 1950'-2100'

Spotted 25 sx plug 3975'-4150'

Spotted 25 sx plug 5845'-6000'

CIBP in 4-1/2" csg @ 7100' capped w/ 4 sx cmt, TOC 7050'.

4-1/2" csg set @ 9340' w/ 870 sx cmt
TD 9360'

452ABO	4720	LOG
451HUCO	5955	LOG
403ATOK	8777	LOG
403BEND	8850	LOG
402MRRL	8985	LOG

----- Casing Data -----

Size	Depth	Cement
13 3/8	243	240
8 5/8	2016	1050
4 1/2	9340	870

----- Actual Bottom Hole From Surface Location -----

Meas Depth	True Vert Depth	Closure Ft Deg Min	N/S Footage	E/W	State Code	County Code
---------------	--------------------	-----------------------	----------------	-----	---------------	----------------

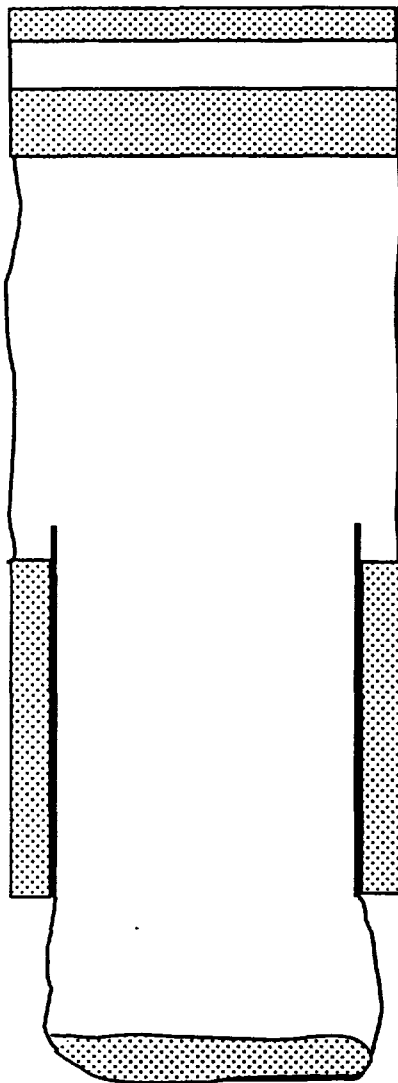
----- Actual Bottom Hole Narrative -----

----- Drilling Narrative -----

Date	Remarks
------	---------

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: PITCHER FEDERAL #4		OPERATOR: ARCO			FIELD: Red Lake	
LOCATION: 990' FNL & 990' FEL, Sec. 8-18S-27E		COUNTY: Eddy			STATE: NM	
ELEVATION:		SPUD DATE: 5/21/49			COMP DATE: 6/13/49	
API #: 30-015-00829		PREPARED BY: Karen Byers			DATE: 8/20/1997	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-1078'	7"	20#			
CASING:						
CASING:						
TUBING:						
TUBING:						



Cement to surface (5 sx).

Cement plug @ 125' (10 sx)

7" casing shot off @ 815'

7" @ 1078' w/75 sx. Est. TOC @ 820'.

Cement plug @ bottom of hole (10 sx).

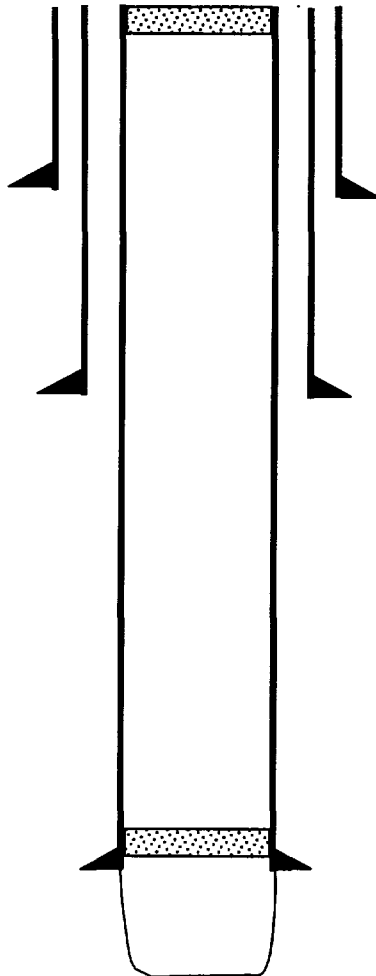
TD 1226'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: Smith Et Al #1				FIELD: Red Lake		
LOCATION: 2970' FNL & 2970' FEL, Sec. 6-18S-27E				COUNTY: Eddy	STATE: NM	
ELEVATION: 3426 (ES)				SPUD DATE: 6/7/34	COMP DATE: 8/1/34	
API #: 30-015-00830		PREPARED BY: T. Rutelonis			DATE: 10/29/98	
SIZE	WEIGHT	GRADE	THREAD	DEPTH	TOC	CEMENT TYPE
10"				535'		
8-1/4"				1025'		
6-5/8"				1151'		

Operator: Welch-Compton

Well D&A No plugging info available, see attached info from PI.



Est. 5 sx surf plug @ 0-20'.

10" csg set @ 535'

8-1/4" csg set @ 1025'

Est 5 sx cmt plug @ $\pm$ 1120'-1140'

6-5/8" csg set @ 1151' (no cmt report available)

TD @ 1225'

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----- General Information -----

State	: NMEX	Final Status	: D&A
County	: EDDY	Total Depth	: 1225
Field	:	Spud Date YYYYMMDD:	19340607
Operator Name	: WELCH-COMPTON	Comp Date YYYYMMDD:	19340801
Well Number	: 1	Hole Direction	: VERTICAL
Lease Name	: SMITH ETAL		
API Number	: 30015008300000		
Section or Equiv	: SEC 6	Init Lahee Class	: WF
Township	: S018	Final Lahee Class:	WF
Range	: E027	Permit Number	:
Spot	:	Elevation	: 3426 (ES)
Base Meridian	: NEW MEXICO (21)		
Geologic Province:	PERMIAN BASIN		
Formation at TD	:		
Oldest Age Pen	:		

Producing Formation:

----- Additional Location Information -----

Footage Location : 2970FN 2970FE SEC LN
Location Narrative:

Latitude	: 32.77590	Latitude (Bot)	:
Longitude	: 104.31810	Longitude (Bot)	:

Latitude & Longitude Source: USGS

----- Casing Data -----

Size	Depth	Cement
10	535	
8 1/4	1025	
6 5/8	1151	

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

----- Actual Bottom Hole Narrative -----

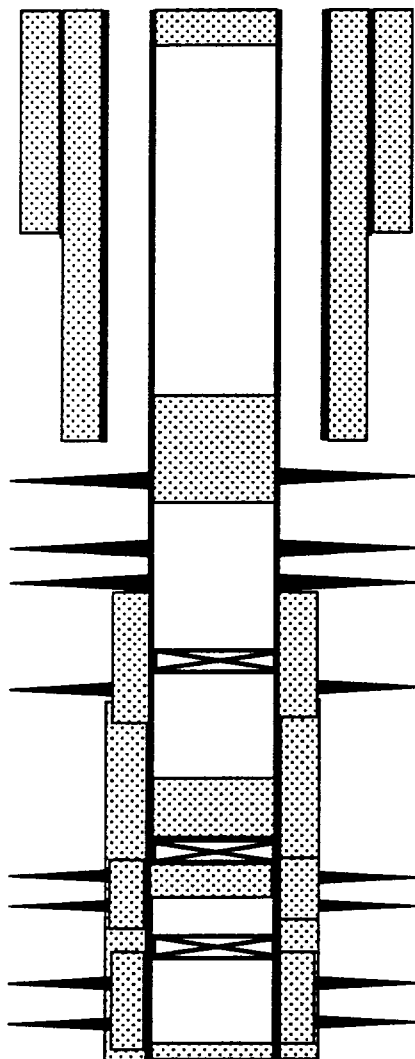
----- Drilling Narrative -----

Date	Remarks
------	---------

VI Plugged Abandoned Wells

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: STERLING COM #1		OPERATOR: ARCO			FIELD: Red Lake	
LOCATION: 1650' FNL & 1980' FWL, Sec. 7-18S-27E		COUNTY: Eddy			STATE: NM	
ELEVATION: 3288' GL		SPUD DATE: 5/20/75		COMP DATE: 7/2/75		
API #: 30-015-21528		PREPARED BY: Karen Byers			DATE: 8/14/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0-890'	13 3/8"	48#	H-40		17 1/2"
CASING:	0-1900'	8 5/8"	24#	K-55	ST&C	11"
CASING:	0-9350'	5 1/2"	14-17#			7 7/8"
TUBING:						
TUBING:						



30' plug @ surface

13 3/8" @ 890' w/630 sxs. TOC @ surface.

8 5/8" @ 1900' w/730 sxs. TOC @ surface.

Cement plug 1800'-2144'

Squeeze perms @ 1950'-52'

Squeeze perms @ 2675'-77' & 2600' (could not circ)

Cement retainers @ 8824', 8720' & 5112'.

Perforations:

8770'-8773' & 8775'-8777' (squeezed)

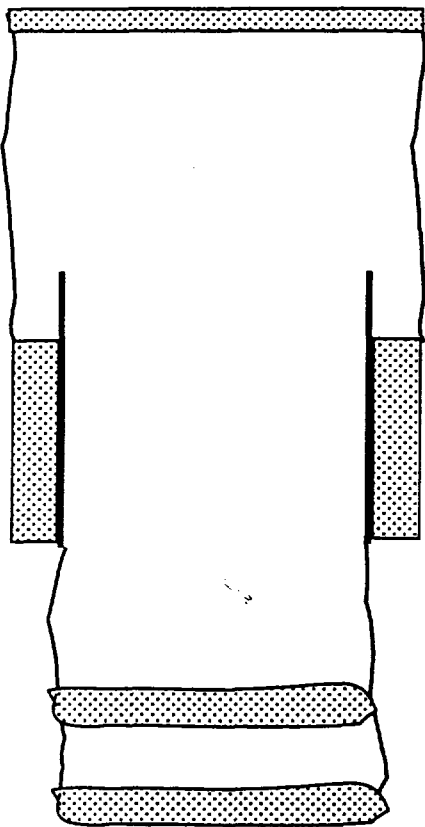
9032'-9174' (squeezed)

5 1/2" @ 9350' w/850 sxs. TOC @ 2700' (temp svy).

TD 9350' PBTD 9289'

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: VANDERGRIFF #4			OPERATOR: J. E. Simon			FIELD: Red Lake	
LOCATION: 1650' FNL & 2310' FWL, Sec. 8-18S-27E				COUNTY: Eddy			STATE: NM
ELEVATION: 3420'				SPUD DATE: 4/9/49		COMP DATE: 5/11/49	
API #: 30-015-00831		PREPARED BY: Karen Byers				DATE: 7/30/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE	
CASING:	0-1056'	7"					
CASING:							
CASING:							
TUBING:							
TUBING:							



Cement plug (5 sx) @ surface.

Filled casing & hole w/mud, surface w/heavy mud.

7" casing backed off @ +/- 500'

7" csg @ 1055' w/50 sxs cmt. TOC @ 505' (calc).

Open hole 1055'-1215'

Cement plug 1184'-1190'

TD @ 1215' PBD 1200'

Form 9-551A
(March 1952)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bridge Bureau No. 42-124
Approved expires 11-30-51

Land Office **Las Cruces**

Lease No. **070678**

Unit **3**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANK	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE OR OTHER DATA)

May 12th, 1949

19

Vandegriff A

Well No. **44** is located **1650** ft. from **N** line and **2310** ft. from **W** line of sec. **8**

NW 1/4 Section 8

18-South, 27-East

T.M.P.R.

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

-Agua Red Lake

Bldg

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and estimated depths to objective sands; show class, weights, and lengths of proposed casings; indicate casing joints, cementing points, and all other important proposed work)

As per my conversation with Mr. Frost, we plugged back to 1200', ran 5 sacks of cement, protecting the oil pay from 1184' to 1190', filled the hole with mud to 850'; knucked off 7" casing, filled casing to top with mud; pulled casing and filled to surface with heavy mud. Set regulation marker with 5 sacks of cement.

U. S. GEOLOGICAL SURVEY
RECEIVED

JUN 10 1949

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

ART 10-11-104

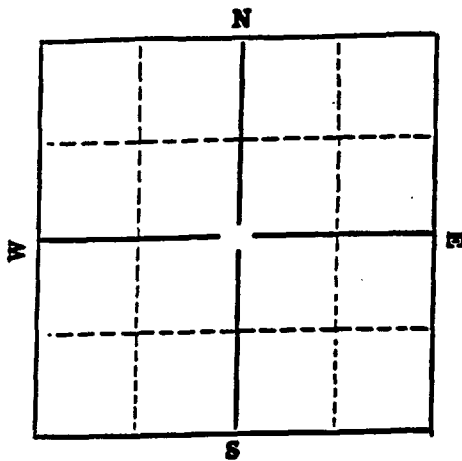
Company **JULIAN E. SIMON**Address **5 Mildred Adams****Artesia Hotel Bldg.,****Artesia, New Mexico**By **ASm****Huckson**

Title _____

U. S. GOVERNMENT PRINTING OFFICE 16-6077-2

SCOUT REPORT

NEW MEXICO OIL CONSERVATION COMMISSION



AMOUNT CASING & CEMENTING RECORD

Size	Feet	Sax Cement
7"	1055	50

Company J. E. Simo Pool Red Lake Dist 8Farm Name Vandergriff Well No. 1Sec. 8 Twp. 1B Range 27 County EddyFeet from Line: 1650 N. S. E. 2310 W.Elevation 3420 Method Contractor Land Y-NSpudded 4/9/47 Completed 5/1/47

ACID RECORD

Gals.

	TA	TSA
	TX	TGI
	BX	TTu
	TY	TPenn
	TQ	TEll
	TG	TGr. W
		TGr.
Top Pay		

SHOOTING RECORD

TUBING RECORD

No. of Quarts 100 From 1180 To 1200No. of Quarts From To S/ 0 1173-87 S/ S/ S/ S/ S/ S/ S/ PACKER

Date		Date	
APR 6	<u>Full</u>		<u>Boil / 1200</u>
APR 13	<u>200' 70</u>		
APR 18	<u>610 li</u>		
APR 27	<u>1041 li Pump</u>		
MAR 4	<u>1155 - 4</u>		
MAY 11	<u>70, 125</u>		
	<u>0.3100</u>		
MAY 18	<u>1215 li</u>		
	<u>1200</u>		
	<u>1200</u>		

petroROM Well Report
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----- General Information -----

State	: NMEX	Final Status	: D&A-O
County	: EDDY	Total Depth	: 1215
Field	: RED LAKE	Spud Date YYYYMMDD:	19490409
Operator Name	: SIMON JULIAN E	Comp Date YYYYMMDD:	19490511
Well Number	: 4	Hole Direction	: VERTICAL
Lease Name	: VANDAGRIFF		
API Number	: 30015008310000		
Section or Equiv	: SEC 8	Init Lahee Class	: D
Township	: S018	Final Lahee Class:	D
Range	: E027	Permit Number	:
Spot	:	Elevation	: 3420 (ES)
Base Meridian	: NEW MEXICO (21)		
Geologic Province:	PERMIAN BASIN		
Formation at TD	:		
Oldest Age Pen	:		

Producing Formation:

----- Additional Location Information -----

Footage Location : 1650FNL 2310FWL SEC LN
Location Narrative:

Latitude	: 32.76492	Latitude (Bot)	:
Longitude	: 104.30091	Longitude (Bot)	:

Latitude & Longitude Source: USGS

----- Production Tests -----

Test Form	Top	Base	Oil Rate	Gas Rate	Wtr Rate	FTP	BHP	Ck	M	BHT
0001	1056	1200	63 GO							B

PDT Treatment

Test	Top	Base	Volume Meas	Amount T/P	PSI	Inj	Type	Nbr	Agent	Add
0001	1180	1201	100 QTS				XPLO			

----- Casing Data -----

Size	Depth	Cement
7	1056	50

----- Actual Bottom Hole From Surface Location -----

Meas	True Vert	Closure	N/S	E/W	State	County
Depth	Depth	Ft Deg Min	Footage		Code	Code

----- Actual Bottom Hole Narrative -----

VII Proposed Operation Data:

1. Plans are to inject 800 barrels of produced water per day.
2. Type of injection system – closed system.
3. The proposed injection pressure is 900 psig. Maximum pressure will be 1200 psig.
4. The injection fluid will be Grayburg/San Andres produced water.
5. Injection is not for disposal purposes.

VIII Geological Data:

1. Geological Name: San Andres formation
2. Lithological Detail: Dolomite
3. Formation Top: 1400'
4. Thickness: 700'
5. Geological data of drinking water zone: Base of near surface aquifer 500'. No fresh water zones exist below the proposed injection interval.

IX Stimulation Program:

Plans are to acidize perforations with approximately 3000 gals 15% NEFE.

X Well Logs:

Copies of current well logs are on file with the Oil Conservation Division.

XI Chemical Analysis of Fresh Water:

There are no fresh water wells within one mile of the proposed injection wells.

XII Affirmative Statement of Open Faults:

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studies of formations in the West Red Lake Unit.

XIII “Proof of Notice” and “Proof of Publication”

Surface owners: The surface owners have been notified of our application by certified letter with a copy of this application attached. Proof of notice to follow.

Bureau of Land Management
Margaret E. Palone
Kenneth Lee Benally

Offset operators: The offset operators were notified by certified mail. Copies of the letters and proof of notice are enclosed.

Mack Energy Corporation
Burnett Oil Company, Inc.
ARCO
Altura Energy, LTD
Robert H. Ziegler, Jr.
Ann Ziegler Bradford
Yates Petroleum Corp.
SDX Resources, Inc.

Proof of Publication for the Carlsbad Current-Argus is enclosed.

devon
ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

October 20, 1998

CERTIFIED MAIL # Z 397 639 684

Mack Energy Corporation
P.O. Box 960
Artesia, NM 88211-0960

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORP.

Tonja Rutelonis
Tonja Rutelonis
Engineering Technician

/trr
Enclosures

Z 397 639 684

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Mack Energy Corp.</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>ARI on West Red Lake Unit #1, 3, 4, 12, 29, 37, 43, 45, 49, 61, 78</i>	

PS Form 3800, April 1995

ARI on West Red Lake Unit #1, 3, 4, 12, 29, 37, 43, 45, 49, 61, 78

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. ☐ Addressee's Address 2. ☐ Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		4a. Article Number Z 397 639 684	
5. Received By: (Print Name) <i>Ernie Buttross</i>		4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☒ Return Receipt for Merchandise ☐ COD	
6. Signature: (Addressee or Agent) <i>Ernie Buttross</i>		7. Date of Delivery 10-26-98	
8. Addressee's Address (Only if requested and fee is paid)		PS Form 3811, December 1994	

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

October 20, 1998

CERTIFIED MAIL # Z 397 639 685

Burnett Oil Company, Inc.
801 Cherry St., Suite 1500
Ft. Worth, TX 76102

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORPO

Tonja Rutelonis

Tonja Rutelonis
Engineering Technician

/trr
Enclosures

Z 397 639 685

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to: <i>Burnett Oil Co., Inc.</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78</i>	

PS Form 3800, April 1995

AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78

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3. Article Addressed to: Burnett Oil Company, Inc. 801 Cherry St., Suite 1500 Ft. Worth, TX 76102		4a. Article Number Z 397 639 685
5. Received By: (Print Name) X <i>Ernie Buttross</i>		4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☒ Return Receipt for Merchandise ☐ COD
6. Signature: (Addressee or Agent)		7. Date of Delivery OCT 22 1998
8. Addressee's Address (Only if requested and fee is paid)		

Is your RETURN ADDRESS completed on the reverse side?

PS Form 3811, December 1994

devon ENERGY CORPORATION

20 North Broadway, Suite
Oklahoma City, Oklahoma

October 27, 1998

CERTIFIED MAIL # Z 397 639 691

**ARCO Oil & Gas
P.O. Box 1610
Midland, TX 79702-1610**

RE:

West Red Lake #1
810' FSL & 960' FWL
Sec. 6-18S-27E

West Red Lake #29
1592' FSL & 2302' FWL
Sec. 4-18S-27E

West Red Lake #49
2310' FSL & 1750' FWL
Sec. 4-18S-27E

West Red Lake #3
660' FNL & 1980' FWL
Sec. 7-18S-27E

West Red Lake #37
1490' FNL & 2050' FWL
Sec. 7-18S-27E

West Red Lake #61
330' FNL & 2310' FWL
Sec. 9-18S-27E

West Red Lake #9
2310' FSL & 2026' FEL
Sec. 7-18S-27E

West Red Lake #43
680' FSL & 1650' FWL
Sec. 4-18S-27E

West Red Lake #78
2530' FNL & 1500' FWL
Sec. 8-18S-27E

West Red Lake #12
990' FSL & 990' FEL
Sec. 6-18S-27E

West Red Lake #45
990' FSL & 330' FWL
Sec. 4-18S-27E

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert the referenced eleven (11) wells in Eddy County, NM to water injection wells. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any question

Sincerely,

DEVON ENERGY CORP

Tonja Ruteloni
Tonja Ruteloni
Engineering Technician
/trr

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. ☐ Addressee's Address 2. ☐ Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: ARCO Oil & Gas, Inc. P.O. Box 1610 Midland, TX 79702-1610		4a. Article Number Z 397 639 691	
4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ Return Receipt for Merchandise ☐ COD		7. Date of Delivery NOV 02 1998	
5. Received By: (Print Name) 6. Signature: (Addressee or Agent) X [Signature]		8. Addressee's Address (Only if requested and fee is paid)	

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

October 20, 1998

CERTIFIED MAIL # Z 397 639 686

Altura Energy, LTD
Box 4294
Houston, TX 77210-4294

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORP.

Tonja Rutelonis

Tonja Rutelonis
Engineering Technician

/tr
Enclosures

Z 397 639 686

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Altura Energy, LTD</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78</i>	

PS Form 3800, April 1995

AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78

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3. Article Addressed to: Altura Energy, LTD Box 4294 Houston, TX 77210-4294		4a. Article Number Z 397 639 686	
5. Received By: (Print Name)		4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☒ Return Receipt for Merchandise ☐ COB	
6. Signature: (Addressee or Agent) <i>X</i>		7. Date of Delivery OCT 23 1998	
8. Addressee's Address (Only if requested and fee is paid)		Thank you for using Return Receipt Service.	

Is your RETURN ADDRESS completed on the reverse side?

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

October 20, 1998

CERTIFIED MAIL # Z 397 639 687

Robert H. Ziegler, Jr.
P.O. Box 8621
Ketchikan, AK 99901

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORP.

Tonja Rutelom
Tonja Rutelom
Engineering Technician

/tr
Enclosures

Z 397 639 687

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to: <i>Robert H. Ziegler, Jr.</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78</i>	

PS Form 3800, April 1995

AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78

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3. Article Addressed to: Robert H. Ziegler, Jr. P.O. Box 8621 Ketchikan, AK 99901		4a. Article Number Z 397 639 687	
5. Received By: (Print Name) <i>KH Ziegler</i>		4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☒ Return Receipt for Merchandise ☐ COD	
6. Signature: (Addressee or Agent) X		7. Date of Delivery 	
8. Addressee's Address (Only if Restricted and fee is paid)		Thank you for using Return Receipt Service.	

PS Form 3811, December 1994

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

October 20, 1998

CERTIFIED MAIL # Z 397 639 688

Ann Ziegler Bradford
1036 Bell Street
Edmonds, WA 98020

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORPO

Tonja Rutelonis
Tonja Rutelonis
Engineering Technician

/tr
Enclosures

Z 397 639 688

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Ann Ziegler Bradford</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78</i>	

PS Form 3800, April 1995

SENDER: ☐ Complete Items 1 and/or 2 for additional services. ☐ Complete Items 3, 4a, and 4b. ☐ Print your name and address on the reverse of this form so that we can return this card to you. ☐ Attach this form to the front of the mailpiece, or on the back if space does not permit. ☐ Write "Return Receipt Requested" on the mailpiece below the article number. ☐ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. ☐ Addressee's Address 2. ☐ Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Ann Ziegler Bradford 1036 Bell Street Edmonds, WA 98020		4a. Article Number Z 397 639 688	
5. Received By: (Print Name) Ann Bradford		4b. Service Type ☐ Registered ☐ Express Mail ☒ Return Receipt for Merchandise ☒ Certified ☐ Insured ☐ COD	
6. Signature: (Addressee or Agent) X <i>Ann Bradford</i>		7. Date of Delivery NOV 16 1998	
8. Addressee's Address (if different from 3 and fee is paid)		9. PS Form 3811, December 1994 102595-97-8-0179 Domestic Return Receipt	

AAI on West Red Lake Unit #1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78

Thank you for using Return Receipt Service

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

October 20, 1998

CERTIFIED MAIL # Z 397 639 689

Yates Petroleum Corp.
105 S. 4th, Yates Building
Artesia, NM 88210

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORP.

Tonja Rutelonis
Tonja Rutelonis
Engineering Technician

/trr
Enclosures

Z 397 639 689

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Yates Petroleum Corp.</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>AAI on West Red Lake Unit # 1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78</i>	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. ☐ Addressee's Address 2. ☐ Restricted Delivery Consult postmaster for fee.
3. Article Addressed to: Yates Petroleum Corp. 105 S. 4th, Yates Building Artesia, NM 88210 JOANN GRIGGS	4a. Article Number Z 397 639 689 4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☒ Return Receipt for Merchandise ☐ COD	7. Date of Delivery 8. Addressee's Address (Only if requested and fee is paid)
5. Received By: (Print Name) <i>Jo Ann Griggs</i> 6. Signature: (Addressee or Agent) <i>Jo Ann Griggs</i> X		

PS Form 3811, December 1994 102595-97-8-0179 Domestic Return Receipt
AAI on West Red Lake Unit # 1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78

Thank you for using Return Receipt Service.

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

October 20, 1998

CERTIFIED MAIL # Z 397 639 690

SDX Resources, Inc.
511 W. Ohio Ave, Suite 601
Midland, TX 79701-4338

RE: Devon Energy Corporation
West Red Lake Waterflood Project
Sections 1,4,5,6,7,8,9 T18S-R27E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert eleven (11) wells to water injection wells in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORP

Tonja Ruteronis

Tonja Ruteronis
Engineering Technician

/trr
Enclosures

Z 397 639 690

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to *SDX Resources, Inc.*

Street & Number

Post Office, State, & ZIP Code

Postage \$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to Whom & Date Delivered

Return Receipt Showing to Whom, Date, & Addressee's Address

TOTAL Postage & Fees \$

Postmark or Date *AAI on West Red Lake Unit # 1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78*

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

SDX Resources, Inc.
511 W. Ohio Ave., Suite 601
Midland, TX 79701-4338

4a. Article Number
Z 397 639 690

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Signature Required ☐ COD

7. Date of Delivery
10-22-98

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)
Ernie Buttross

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

AAI on West Red Lake Unit # 1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Amy McKay,
being first duly sworn, on oath says:

That she is Business Manager
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

October 15, 1998
_____, 19____
_____, 19____
_____, 19____
_____, 19____
_____, 19____

That the cost of publication is \$ 50.12,
and that payment thereof has been made and will
be assessed as court costs.

Amy McKay
Subscribed and sworn to before me this

19th day of October, 1998

Donna M. Crump

My commission expires 8/1/02

Notary Public

October 15, 1998

Notice is hereby given that Devon Energy Corporation (Nevada) is applying to the New Mexico Oil Conservation Division to convert the following wells located in Eddy County, NM to water injection wells:

No 19439

West Red Lake #1
810' FSL & 960' FWL
Sec. 6-18S-27E

West Red Lake #3
660' FNL & 1980' FWL
Sec. 7-18S-27E

West Red Lake #9
2310' FSL & 2026' FEL
Sec. 7-18S-27E

West Red Lake #12
990' FSL & 990' FEL
Sec. 6-18S-27E

West Red Lake #29
1592' FSL & 2302' FWL
Sec. 4-18S-27E

West Red Lake #37
1490' FNL & 2050' FWL
Sec. 7-18S-27E

West Red Lake #43
680' FSL & 1650' FWL
Sec. 4-18S-27E

West Red Lake #45
990' FSL & 330' FWL
Sec. 4-18S-27E

West Red Lake #49
2310' FSL & 1750' FWL
Sec. 4-18S-27E

West Red Lake #61
330' FNL & 2310' FWL
Sec. 9-18S-27E

West Red Lake #78
2530' FNL & 1500' FWL
Sec. 8-18S-27E

The intended purpose of these wells is to inject produced waters in the San Andres formation to enhance oil production through secondary recovery. Maximum injection rates of 1500 bwpd and maximum pressures of 1200 psig are expected.

Interested parties must file objections or requests for hearing within 15 days to the following commission:

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

Ernie Buttross,
District Engineer
Devon Energy Corporation
20 N. Broadway, Suite 1500
Oklahoma City, OK 73102
(405) 552-4509



ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

December 10, 1998

CERTIFIED MAIL # Z 397 639 710

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 88505

DEC 11

Attention: Ben Stone

**RE: West Red Lake Unit # 1, 3, 9, 12, 29, 37, 43, 45, 49, 61, 78
Section 1, 4, 5, 6, 7, 8, 9-T18S-R27E
Eddy County, New Mexico**

Dear Mr. Stone:

Concerning the Application for Authorization to Inject on the above-referenced wells, enclosed are copies of the letters sent to the surface owners along with the proof of notification.

If you have any questions, please give me a call at 405-552-4515.

Sincerely,

Tonja Rutelonis
Engineering Technician

enclosures

devon ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

November 24, 1998

CERTIFIED MAIL # Z 397 639 693

Kenneth Lee Benally
198 Country Road 6700
Waterflow, NM 87421

RE:

West Red Lake #1
810' FSL & 960' FWL
Sec. 6-18S-27E

West Red Lake #3
660' FNL & 1980' FWL
Sec. 7-18S-27E

West Red Lake #37
1490' FNL & 2050' FWL
Sec. 7-18S-27E

Dear Mr. Benally:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing an application to convert eleven (11) wells in Eddy County, NM to water injection wells. Our records indicate that you are the surface owner of three of these wells which are referenced above. As a surface owner, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. We have enclosed a copy of the Application for Authorization to Inject.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORPORATION (NEVADA)

Tonja Rutelonis
Tonja Rutelonis
Engineering Technician
/trr

Enclosure

SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. ☐ Addressee's Address 2. ☐ Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Kenneth Lee Benally 198 Country Road 6700 Waterflow, NM 87421		4a. Article Number Z 397 639 693 4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ Return Receipt for Merchandise ☐ COD	
5. Received By: (Print Name) X Kenneth Lee Benally		7. Date of Delivery NOV 30 1998 8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) <i>Kenneth Lee Benally</i>		PS Form 3811, December 1994 102595-97-8-0179 Domestic Return Receipt	

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

WRL #1, 3, 37 Surface owner - AAI

devon ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611
FAX 405/552-4667

November 24, 1998

CERTIFIED MAIL # Z 397 639 694

Margaret E. Palone
HC-80, Box 596
Atoka, OK 74525

RE:

West Red Lake #9
2310' FSL & 2026' FEL
Sec. 7-18S-27E

Dear Ms. Palone:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing an application to convert eleven (11) wells in Eddy County, NM to water injection wells. Our records indicate that you are the surface owner of one of these wells which is referenced above. As a surface owner, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. We have enclosed a copy of the Application for Authorization to Inject.

Please direct any questions regarding this matter to Ernie Buttross at (405) 552-4509.

Sincerely,

DEVON ENERGY CORP

Tonja Rutelonis
Tonja Rutelonis
Engineering Technician
/trr

Enclosure

Z 397 639 694

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to <i>Margaret E. Palone</i>	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	

WRL #9 Surface Owner

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
 - ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

Margaret E. Palone
HC-80, Box 596
Atoka, OK 74525

4a. Article Number

Z 397 639 694

4b. Service Type

- | | |
|---|---|
| ☐ Registered | ☒ Certified |
| ☐ Express Mail | ☐ Insured |
| ☐ Return Receipt for Merchandise | ☐ COD |

7. Date of Delivery

NOV 30 1998

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)

Margaret E. Palone
6. Signature: (Addressee or Agent)

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

WRL #9 Surface Owner - AAI

Thank you for using Return Receipt Service.

November 24, 1998

CERTIFIED MAIL # Z 397 639 701

United States Department of the Interior
Bureau of Land Management
Roswell District Office
2909 West Second Street
Roswell, NM 88201

RE:

West Red Lake #12
990' FSL & 990' FEL
Sec. 6-18S-27E

West Red Lake #45
990' FSL & 330' FWL
Sec. 4-18S-27E

West Red Lake #61
330' FNL & 2310' FWL
Sec. 9-18S-27E

West Red Lake #29
1592' FSL & 2302' FWL
Sec. 4-18S-27E

West Red Lake #49
2310' FSL & 1750' FWL
Sec. 4-18S-27E

West Red Lake #78
2530' FNL & 1500' FWL
Sec. 8-18S-27E

West Red Lake #43
680' FSL & 1650' FWL
Sec. 4-18S-27E

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing an application to convert eleven (11) wells in Eddy County, NM to water injection wells. Our records indicate that you are the surface owner of seven of these wells which are referenced above. As a surface owner, Devon must notify you and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification. We have enclosed a copy of the Application for Authorization to Inject and Sundry Notices showing intent to convert to injection.

Please direct any question to:

Sincerely,

DEVON ENERGY CORP.

Tonja Rutelonis
Tonja Rutelonis
Engineering Technician
/trr

Enclosure

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Bureau of Land Management
2909 West Second Street
Roswell, NM 88201

4a. Article Number

Z 397 639 701

4b. Service Type

- ☐ Registered
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☒ Certified
- ☐ Insured
- ☐ COD

7. Date of Delivery

11-30-98

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

[Signature]

8. Addressee's Address (Only if requested and fee is paid)

Z 397 639 701

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to BLM	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	

AAI - Surface owner