

REVISION # 677

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP - Non-Standard Proration Unit] [NSL - Non-Standard Location]
- [DD - Directional Drilling] [SD - Simultaneous Dedication]
- [DHC - Downhole Commingling] [CTB - Lease Commingling] [PLC - Pool / Lease Commingling]
- [PC - Pool Commingling] [OLS - Off-Lease Storage] [OLM - Off-Lease Measurement]
- [WFX - Waterflood Expansion] [PMX - Pressure Maintenance Expansion]
- [SWD - Salt Water Disposal] [IPI - Injection Pressure Increase]
- [EOR - Qualified Enhanced Oil Recovery Certification] [PPR - Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling

- NSL NSP DD SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

- DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

- WFX PMX SWD IPI EOR PPR

JUN 27 2002

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**

[A] Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox
Print or Type Name

Kay Maddox
Signature

Regulatory Agent
Title

6/25/2002
Date

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: SDX Resources

Address: PO Box 5061, Midland, TX 79704

Contact party: Chuck Morgan Phone: (915) 685-1761

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

IV. Is this an expansion of an existing project? yes no
If yes, give the Division order number authorizing the project _____.

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

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

VII. Attach data on the proposed operation, including:

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

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

IX. Describe the proposed stimulation program, if any.

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

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

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

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

XIV. Certification

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

Name: Kay Maddox Title Regulatory Agent

Signature: Kay Maddox Date: 6/25/02

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

III. WELL DATA

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

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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

Application for Authorization to Inject

Chalk Bluff Draw #1
Unit K, Section 5, T-18-s, R-27-E
2055' FSL & 1980' FWL
Eddy County, NM
API # 30-015-00789

- I. SDX plans to convert this well from a Penn Injection well to a San Andres-Yeso Injection well.
- II. Operator: SDX Resources, Inc.
PO Box 5061
Midland, TX 79704
- III. Well Data: See attachment A1-A3
- IV. This is not an expansion of an existing project – the well has a current injection Permit for the Pennsylvanian (SWD # 677) which could be amended for the SA.
- V. See attachment B1 & B2 (1/2-2 mile map and large scale map)
- VI. See Well Radius Review
- VII.
 - (1) Proposed Average Daily Injection Volume: 200 BWPD
 - (2) This will be a closed system
 - (3) Proposed average Injection pressure: Unknown
Proposed Maximum Injection Pressure: 320#
 - (4) Injection water would be produced from the producing Wells on the Chalk Bluff Federal lease in the San Andres and Grayburg formations. Injection fluid analysis attached. (Attachment C)
 - (5) Formation water analysis same as above
- VIII.
 - (1) The proposed injection interval is the portion of the san Andres Yeso consisting of porous dolomite.
 - (2) Limited Fresh water zones overlie the proposed injection zone at Approximately 150'
- IX. The proposed injection interval may be acidized with 15% HCL acid.
- X. Well logs are on file at the OCD.

- XI. No fresh water wells are within a ½ mile radius.
- XII. Geologic and engineering data have been examined and no evidence of open faults or any other hydrological connection between the injection zone and any fresh water aquifer has been found.
- XIII. (1) Certified letters have been sent to offset operators. (Attachment D)
Surface Owner: Bureau of Land Management
(2) Copy of legal advertisement attached along with an affidavit of Publication. (Attachment E1& E2)

ATTACHMENT A1

III. Well Data: Chalk Bluff #1

- A. (1) Unit K, Section 5, T-18-S, R-27-E
Eddy County, New Mexico
2055' FSL & 1980' FWL
- (2) Casing: 13 3/8", 38#, set @ 550'. Cement with 350 sxs. TOC
Surface
9 5/8", 36#, set @ 3013". Cement with 1700 sxs.
TOC surface
5 1/2", 14-17#, set @ 9500'. Cement with 2235 sxs
TOC surface
(Volumes calculated on .75% efficiency)
Well P&A'd in 1985 – re-entered and converted
To SWD as shown in attachment A2
- (3&4) Proposed well condition: Perforations from 7900-8300' covered
w/ CIBP at 7800'. New perforations 1570-3155'. 2 7/8" PC
tubing with an AD-1 PC packer set at 1550' as shown in
Attachment A3.
- B. (1) Injection formation: San Andres – Yeso *Glorieta*
- (2) Injection interval will be thru perforations 1570-3155'
- (3) Well was drilled and completed as a producer in the Morrow
formation. P&A'd & re-entered and converted to a SWD in the
Penn.
- (4) Perforations: 1570-3155'
- (5) Next Shallow oil or gas zone: Queen
Next deeper oil or gas zone: Wolfcamp

2750'
28200'
5000' GLORIETA

SDX Resources
Chalk Bluff Federal #1
Section 5, T-18-S, R-27-E
CURRENT WELLBORE SCHEMATIC

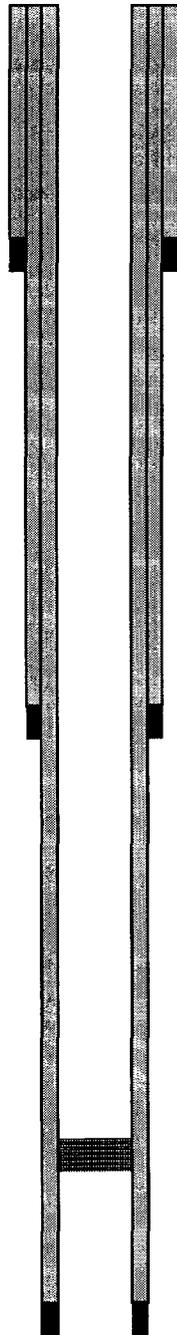
API Number: 30-015-00789

Casing Size: 13 3/8"
Depth: 550'
Sx cmt: 350
TOC: Surface

Casing Size: 9 5/8"
Depth: 3013'
Sx cmt: 1700
TOC: Surface

Casing Size: 5 1/2"
Depth: 9500'
Sx cmt: 2235
TOC: Surface

PBTD: 9140'
TD: 9500'



Grayburg 1500'

Yeso 2900'

Clearfork 3850'

2 7/8" N-80 Plastic lined Injection tubing

Injection Pkr: @ 7846'

perfs 7940-8300'

SDX Resources
Chalk Bluff Federal #1
Section 5, T-18-S, R-27-E
PROPOSED WELLBORE SCHEMATIC

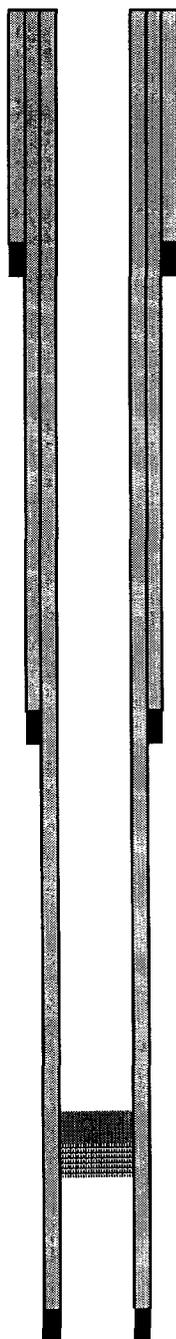
API Number: 30-015-00789

Casing Size: 13 3/8"
Depth: 550'
Sx cmt: 350
TOC: Surface

Casing Size: 9 5/8"
Depth: 3013'
Sx cmt: 1700
TOC: Surface

Casing Size: 5 1/2"
Depth: 9500'
Sx cmt: 2235
TOC: Surface

PBTD: 9140'
TD: 9500'



Grayburg 1500'

2 7/8" PC tbg w/AD-1 pkr set @ 1550'

Perforations: 1570-3155'

Yeso 2900'

Clearfork 3850'

CIBP set @ 7800'

MAR 18 1987

61

Reproduced By
West Texas Electrical Log Service
Dallas 1, Texas

MAR 8 1987
OCT 8 1981

REFERENCE N° A 4959 -D

SCHLUMBERGER WELL SURVEYING CORPORATION		Gamma Ray-Neutron	
COMPANY: HUMBLE OIL AND REFINING COMPANY WELL: CHALK BLUFF UNIT # 1 FIELD: WILDGAT LOCATION SEC. 5-18S-27E COUNTY: EDDY STATE: NEW MEXICO	Location of Well		1980' f SBH/L GRN (ML-ES)
	Elevation D.F.		3512
	or G.L.		
	FILING No.		
	RUN NO.		
Log Reference	KB 11 Adv. GI		
1st Reading	3439		
2nd Reading	0		
3rd Reading	3439		
4th Reading	3500		
5th Reading	3500		
6th Reading	3500		
7th Reading	3500		
8th Reading	3500		
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198th Reading	3500		
199th Reading	3500		
200th Reading	3500		

GEOLOGICAL INFORMATION CENTER

*Approximate Part
Number 70
1578-3155*

FEB

COMPLETION RECORD

SPUD DATE _____

COMP DATE _____

DST RECORD _____

CASING RECORD _____

PERFORATING RECORD _____

ACID. FRAC SHOT _____

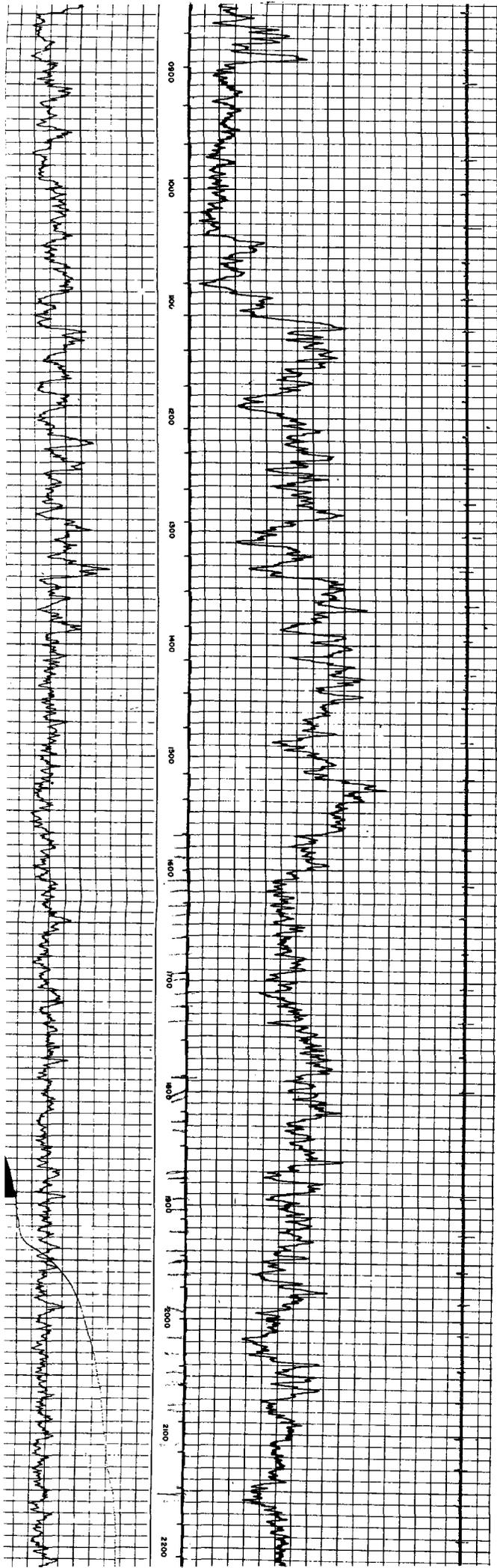
I.P. _____

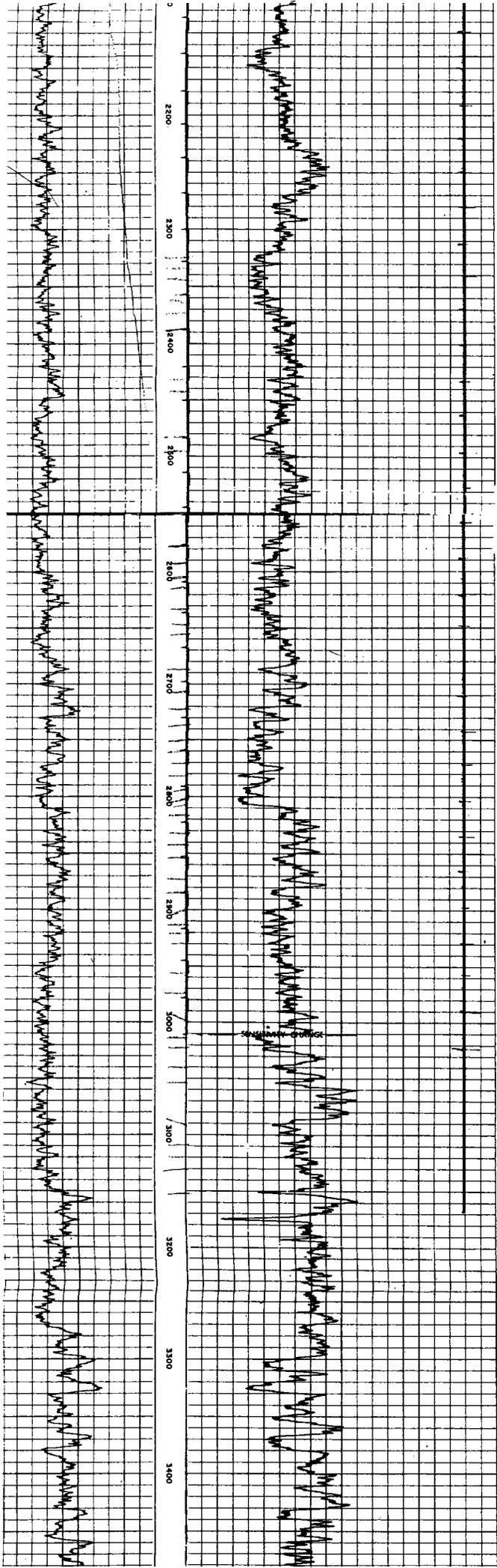
GOR _____ GR _____

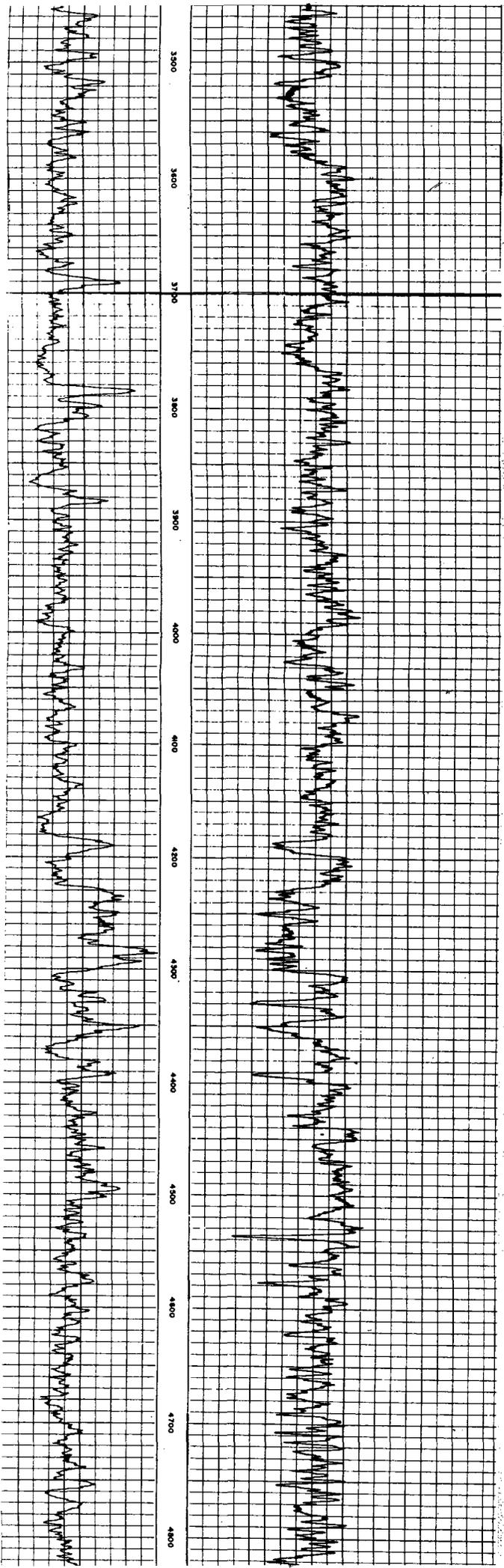
T.P. _____ C.P. _____

REMARKS _____

GAMMA RAY MICROGRAMS RA-EQ./TON	NEUTRON STANDARD COUNTS/SECOND
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millivolts

±

-ohms. m²/m

- R₀ +

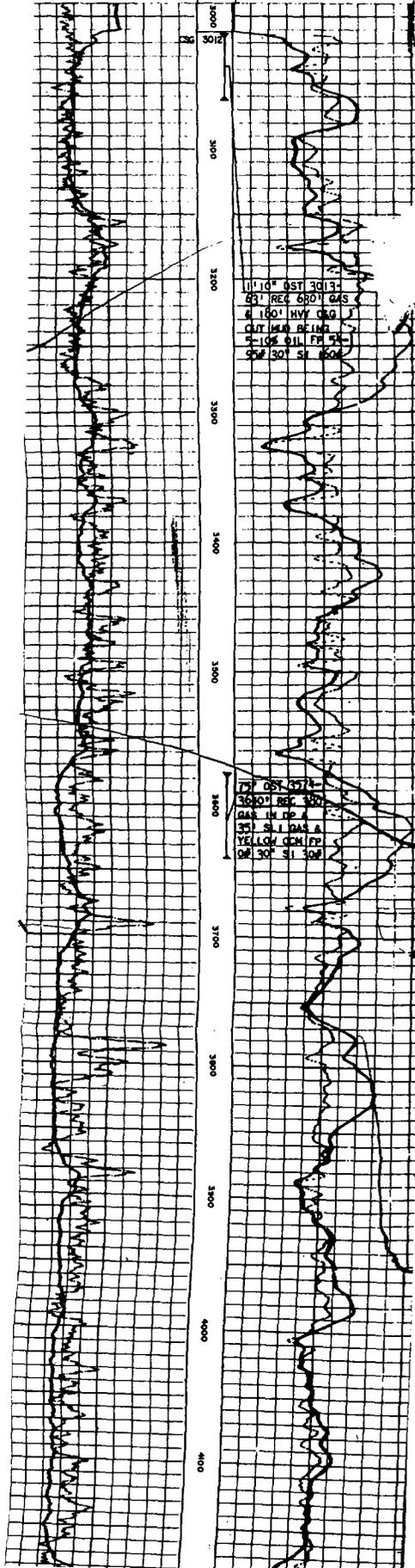
0 10" Normal 2000

0 20000

0 32" Lateral 140

GAMMA RAY

3.3
Micrograms Radium Equiv.
per Ton of Formation





11 Pet. etal
0016.82.2002
15.99
76.2003

Trigg Family Tr.
K.L.P.
064050

Murchison
Perry Fed.
29
20152
Trigg Family Tr.
064050
ABO CHALK BLUFF UNIT
EXXON (OPER)

(MW Pet.)
25527
Murchison, etal
Willis Fed.
HBC E/2

Eagle Fed.
Ricks E
(Altura)
Hondo

Yates
7.1.88
38274

Nearburg
Exxon
HBP
2.1.98
10722

(Exxon)
PETCO
Devon
026874
Nearburg
10
Eagle Fed.

Devon
Ricks
2A
Eagle Fed.
Devon
Eagle Fed.

Devon
026874
Mack Ener
Devon
Devon
Devon

Exxon
HBP
043448
Devon
026874
Mack Ener
Devon
Devon

BP Amer.
HBC
West
W.L.3
Red Lake
Devon
Devon
Devon

Devon
BP Amer.
Jane Ann Tr.
Devon
Devon
Devon

Devon
1719
7.C
Stirling
Devon
Devon
Devon

Devon
BP Amer.
HBC
7715
Devon
Devon
Devon

W. REDLAKE UNIT
EXXON (OPER)
Devon
Devon
Devon
Devon

Devon
BP Amer.
Devon
Devon
Devon
Devon

Devon
BP Amer.
HBC
04115
Devon
Devon
Devon

BP Am.
HBC
7715
Devon
Devon
Devon

Exxon
Exxon
BP Am.
HBC
04115
Devon
Devon

Tr. O
BP Amer.
Devon
Devon
Devon

9	Devon Julia Federal B #1 Section 6, T-18-S, R-27-E 1650 FSL & 330 FEL API # 30-015-00791	6/25/1943	1817	1060-1817	Oil	10 " @ 564' 8 1/4" @ 1060' (assume 93/4" hole)	50 sxs 25 sxs	358' 840'
10	Devon Evarts - Federal #1 Section 6, T-18-S, R-27-E 2310 FNL & 330 FEL API # 30-015-00793	7/30/1944	1871	1488-1871	Oil	10 3/4 @ 612' 8 1/4" @ 1081'10 sxs 7" @ 1488' (assume 8" hole)	NR 30 sxs	NR 1027' 1125'
11	Humble Oil & Refining Welch Federal # 1 Section 6, T-18-S, R-27-E 1980 FNL & 660 FEL API # 30-015-20049	6/22/1967	3140	2929-2992	P&A 6/23/1987 See Schematic	8 5/8" @ 421' 7" @ 1300' 4 1/2" @ 3139' (assume 6" hole)	200 sxs 100 sxs 180 sxs	surf 90' 1064'
12	Devon Energy Carter Collier "5" Federal #7 Section 5, T-18-S, R-27-E 990 FNL & 1650 FEL API # 30-015-30102	4/9/1998	2450	1686-2150	Oil	8 5/8" @ 1149' 5 1/2" @ 2449'	550 sxs 450 sxs	surf surf
13	Devon Energy Carter Collier "5" Federal #6 Section 5, T-18-S, R-27-E 1650 FNL & 2310 FEL API # 30-015-29994	3/29/1998	2450	1535-2122	Oil	8 5/8" @ 1070 5 1/2" @ 2449'	500 sxs 475 sxs	surf surf
14	Devon Energy Carter Colier "5" Federal # 5 Section 5, T-18-S, R-27-E 1650 FNL & 990 FEL API # 30-015-29996	3/15/1998	2600	1656-2143	Oil	8 5/8" @ 1085 5 1/2" @ 2449	600 sxs 500 sxs	surf surf
15	Devon Energy Carter Collier "5" Federal #3 Section 5, T-18-S, R-27-E 2110 FNL & 1600 FEL API # 30-015-29978	3/31/1998	2450	1650-2110	Oil	8 5/8" @ 1048' 5 1/2" @ 2450'	500 sxs 450 sxs	surf surf
16	Devon Carter Collier Federal # 1 Section 5, T-18-S, R-27-E 2310 FNL & 2310 FEL API # 30-015-00790	9/14/1948	2256	1454-2256	Oil	10" @ 1057 8 5/8" @ 1460 7" @ 1454	Pulled fr 1460 sxs 35 sxs	990' surf 1030'
17	Petroleum Corp Yates-Collier Federal #1 Section 5, T-18-S, R-27-E 2310 FSL & 2310 FEL API # 30-015-00781	4/16/1950	2004	1856-1910	P&A See attached schematic	10 3/4" @ 532' 7" @ 1650'	pulled 100 sxs	1294'

18	Devon Energy Kite "51" Federal # 2 Section 5, T-18-S, R-27-E 2310 FSL & 890 FEL API # 30-015-29067	7/20/2000	3558	1648-2123	Oil	8 5/8" @ 1081' 5 1/2" @ 2349' 4" liner 2238-3558'	500 sxs 450 sxs 60 sxs	circ circ 2208
19	SDX Resources Malibu Federal #1 Section 5, T-18-S, R-27-E 1750 FSL & 1650 FEL API # 30-015-31631	2/11/2002	3214	1682-2003	Oil	8 5/8" @ 1151 5 1/2" @ 3204	575 sxs 550 sxs	circ circ
20	Yates Petroleum Choque AMX Federal #1 Section 5, T-18-S, R-27-E 660 FSL & 2310 FEL API # 30-015-28933	11/12/1993	3950	3462-3510	P&A 8/15/1995 See attached schematic	20" @ 40' 8 5/8" @ 1350' 5 1/2" @ 3950'	 450 sxs 830 sxs	surface circ circ
21	Devon Energy West Red Lake Unit # 69 Section 8, T-18-S, R-27-E 330 FNL & 2050 FEL API # 30-015-28933	6/17/1996	2200	1202-2013	Oil	8 5/8" @ 1003' 5 1/2" @ 2199'	600 sxs 500 sxs	surf surf
22	Gruy Petroleum West Red lake Unit # 60 Section 5, T-18-S, R-27-E 50 FSL & 1930 FWL API # 30-015-28781	4/16/1996	2200	1536-1991	Injection WFX 726	8 5/8" @ 1013' 5 1/2" @ 2200'	500 sxs 370 sxs	aurf 86'
23	Devon Energy West Red lake Unit # 84 Section 8, T-18-S, R-27-E 776 FNL & 1203 FWL API # 30-015-30569			Pending location				
24	Devon Energy West Red lake Unt # 59 Section 5, T-18-S, R-27-E 100 FSL & 660 FWL API # 30-015-28750	4/20/1996	2250	1506-1952	Oil	8 5/8" @ 1150' 5 1/2" @ 2250'	675 sxs 485 sxs	surf surf
25	Gruy Petroleum West Red lake Unit #44 Section 5, T-18-S, R-27-E 840 FSL & 1750 FWL API # 30-015-28444	10/7/1995	2250	1599-2025	Injection WFX 726	8 5/8" @ 1099' 5 1/2" @ 2249'	550 sxs 400 sxs	surf surf
26	Devon Energy West Red lake Unit # 58 Section 5, T-18-S, R-27-E 660 FSL & 900 FWL API # 30-015-28780	3/3/1996	2200	1540-1996	Oil	8 5/8" @ 1010' 5 1/2" @ 2200'	650 sxs 370 sxs	surf 86'

PLUGGED WELL SCHEMATICS

**Breck
Julia Federal A #2
Section 5, T-18-S, R-27-E**

API Number: 30015 00778
P&A: Current Status
Datum:

Casing Size: 10"
Depth: 425'
Sxs cmt:

Casing shot at 350'
Squeezed with 140 sx to surface

Casing Size: 8 5/8"
Depth: 980'
Sxs cmt:

Cat at 750- squeeze with 60 sx

CRT at 950'

Shot casing at 1050'
Unable to pump in at 1000#

Casing Size: 6 5/8"
Depth: 1277'
Sxs cmt:

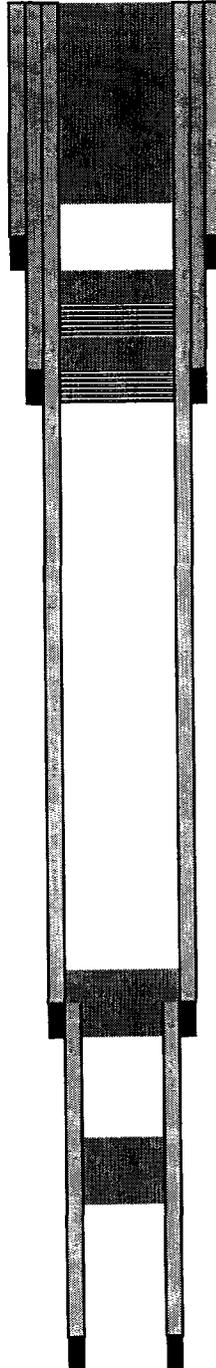
Cmt Plug 1332 20 sx

Casing Size: 4 1/2"
Depth: 1272-1847
Sxs cmt: 125

Cmt Plug 1540 20 sx

Perf 1792-1822

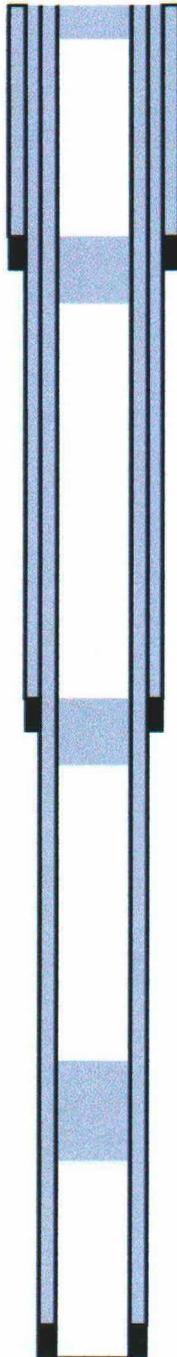
TD: 1847'



Humble Oil and Refining
Welch Federal #1
Section 6, T-18-S, R-27-E

API Number: 30015 20049
P&A: 6/23/87
Datum: 3,469 DF

Casing Size: 8 5/8"
Depth: 421'
Sx cmt: 200
Top Cmt: Surf



Cmt plug 30' to surf

"Pump 10 sx cement in 8 5/8"
7 5/8" casing..."

Casing Size: 7"
Depth: 1300'
Sx cmt: 100
Top Cmt: 90'

"Pump... 10 sx cement in 7"
and 4 1/2" casing."

Casing Size: 4 1/2"
Depth: 3139'
Sx cmt: 180
Top Cmt: 1064'

Perf 2774-2876

TD: 3,140'

Cmt Plug 2907-2650 25 sx
Perf 2938-2993

Form 1-331 (May 1968)

N. M. O. C. C. COPY

Copy to 211

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (Other instructions on reverse side)

Form Approved Budget Bureau No. 43-R1424

6. LEASE DESIGNATION AND SERIAL NO.

LC 026874 (F)

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Welch Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Wildcat

11. SEC., T., R., M., OR S&L AND SURVEY OR ASSA

S6, T18S, R27E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mex.

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 [X] GAS WELL [] OTHER [] Drilling

2. NAME OF OPERATOR Humble Oil & Refining Company

3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, Texas

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

1980' FNL & 660' FEL

14. PERMIT NO.

--

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

3,469 DF

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)

FULL OR ALTER CASING []

MULTIPLE COMPLETS []

ABANDON []

CHANGE PLANS []

SUBSEQUENT REPORT OF:

WATER SHUT-OFF []

FRACTURE TREATMENT []

SHOOTING OR ACIDIZING [X]

(Other)

REPAIRING WELL []

ALTERING CASING []

ABANDONMENT []

[X]

(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.)

Acidized perforations from 2938-2993' w/3000 gal reg. 15% NE acid w/ball sealers. Inj. rate 5.6 BPM, Max 1750 psi, 10 min SIP 650 psi. Opened and flowed back 66 bbl. load and acid water. Swab test and recovered trace oil and water. Squeezed above perforations w/40 sx regular Neat cement. Max 300 psi, reversed out 4 sx Perforated 4 1/2" csg. @ 2876-64-56-47-39-35-25-18-06-2791-87-83-77-74. Acidized perfs w/1000 gal reg. 15% NE acid @ 1.5 BPM. Max 1500 psi, 10 min SIP 600 psi. Swab test well. Recovered load and acid water and swab well dry. Prepare to P & A. Spotted 25 sx cement from 2907' to 2650'. Pumped 10 sx cement in 8 5/8" and 7 5/8" casing and 10 sx cement in 7" and 4 1/2" casing annulus. Inst top plug from 30' to surface. Installed dry hole marker. Well plugged and abandoned on 6-23-87. Will notify your office when location is clean and ready for final inspection.

RECEIVED

DEC 17 1987

O. C. C. ARTESIA, OFFICE

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

SIGNED

R. T. Barry

TITLE

Agent

DATE

6-27-87

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

DEC 12 1987

R. L. BEEKMA

*See Instructions on Reverse Side

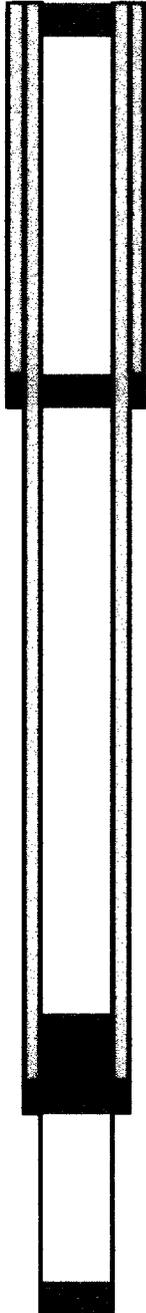
RECEIVED JUN 30 1987 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

**Petroleum Corporation
Yates Colliers Federal #1
Section 5,T-18-S, R-27-E**

API Number: 30015 00781
P&A: Current Status
Datum:

Depth Cmt Vol

Casing Size: 12" (assumed)
Depth: 532'
Sx Cmt:



Cmt Plug Surface 10 sx

Cmt Plug 530 50 sx

Shot off casing @ 1270'

Cmt Plug 1270 25 sx

Casing Size: 7"
Depth: 1650
Sx Cmt: 100
TOC (est): 1294

Cmt Plug 1600 90 sx
(3 plugs, 90 sx)

TD: 2.004'
PB: 1,910'

Plug back at TD to 1910'

**Yates Petroleum
Choque AMX Federal #1
Section 5, T-18-S, R-27-E**

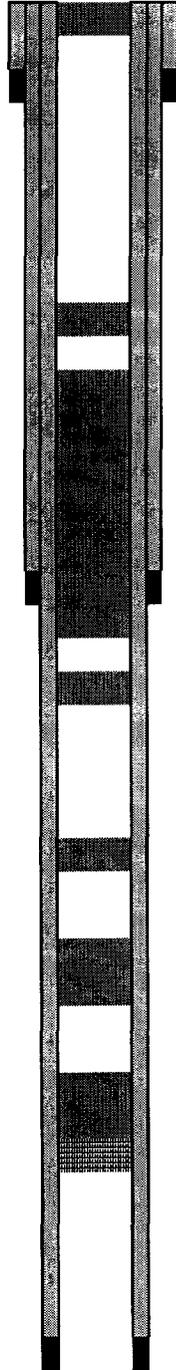
API Number: 30015 28933
P&A: 8/15/1995
Datum: 3423' GL

Casing Size: 20" Cond
Depth: 40'
Sx cmt: cmt surf

Casing Size: 8 5/8" 24#
Depth: 1350
Sx cmt: 500

Casing Size: 5 1/2" J-55
Depth: 3950
Sx cmt: 830

TD: 3,950



Surface plug 8 sxs

Mud plug @ 1020-50'

Cmt plug @ 1375-1020' w/40 sxs cmt

Perf @ 1207-1239'

Perf @ 1412-1457' (sqzd)
Cmt Plug 1475-1623 25 sx

DV tool @ 1717'

Sqzd holes @ 1850 w/ 500 sxs
Perf @ 1822-1947' (sqzd)

Sqzd holes @ 2200-1850' w/125 sxs

CIBP 2715' w/35' cmt

Perfs 2744-2770'

Perfs 2903-2916'

Perfs 3462-3510'

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

#20
NM OIL CO
Drawer DD
Artesia, NM 88220

Budget Bureau No. 1004-0135
Expires: March 31, 1993
Lease Designation and Serial No.

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 proposals

SUBMIT IN TRIPLICATE

RECEIVED
OCT 05 2000
BY: _____

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Choque AMX Federal #1

9. API Well No.
30-015-27521

10. Field and Pool, or Exploratory Area
Undesignated Premier

11. County or Parish, State
Eddy County, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.
105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 2310' FEL of Section 5-T18S-R27E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracuring
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)*

8-16-95 - Moved in and rigged up pulling unit. POOH with rods and pump. Nipped up BOP. POOH with tubing, seating nipple, perforated sub and mud anchor. TIH with tubing and tagged retainer at 1375'. Mixed and pumped 40 sacks Class C 2% CaCl2 from 1375-1000'. POOH with tubing. WOC 3-1/2 hours. TIH with tubing and tagged top of cement at 1020'. Spot 24 barrels plug mud from 1020' to surface. POOH with tubing to 50'. Mixed and pumped 8 sacks Class C cement from 50' to surface. POOH with tubing. Nipped down BOP. Cleaned location. Installed regulation abandonment marker. **PLUGGED AND ABANDONED - FINAL REPORT.** Plugging completed August 15, 1995. NOTE: Notified Jim Amos w/BLM - Carlsbad of commencing plugging operations.

RECEIVED

SEP 20 1995

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

OIL CON. DIV.
DIST. 2

Aug 21 8 44 AM '95
RECEIVED

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

Signed Rusty Klier Title Production Clerk Date August 16, 1995

(This space for State use)
Approved by (ORIG. SCD.) JOE G. LARA Title PETROLEUM ENGINEER Date 9/18/95

Conditions of 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Drawer 1004-9145
Artesia, NM 88210
Expires: March 31, 1993

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 proposals.

RECEIVED

SUBMIT IN TRIPLICATE

JUL 17 1995

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

YATES PETROLEUM CORPORATION

OIL CON. DIV.
(505) 748-1471
DIST. 2

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Undesignated Premier

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)*

Propose to plug and abandon well as follows:

1. Load hole with plugging mud.
2. Spot a 25 sack (minimum) cement plug from 2000-1750'. WOC. Tag plug.
3. Spot a 25 sack (minimum) cement plug from 1500-1100'. WOC. Tag plug.
4. Spot a 10 sack plug at surface.
5. Install regulation abandonment marker.

RECEIVED
JUN 13 10 31 AM '95

NOTE: NOTIFY BLM - CARLSBAD (505-887-6544) 24 HOURS PRIOR TO COMMENCING PLUGGING OPERATIONS.

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

Signed Rusty Stein

Title Production Clerk

Date June 12, 1995

(This space for Federal or State office use)

Approved by

(ORIG. SIGN.) JOE G. LARA

Title

PETROLEUM ENGINEER

Date

7/13/95

Conditions of approval, if any: See attached.

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.

*See Instruction on Reverse Side

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

E. CONS

United States Bureau No. 1004-0137
Expires August 31, 1985

RECEIVED Artesia, NM 88210

NM-71762

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Choque AMX Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Premier

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

Section 5-T18S-R27E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR.

2. NAME OF OPERATOR
YATES PETROLEUM CORPORATION (505) 748-1471

3. ADDRESS OF OPERATOR
105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660' FSL & 2310' FEL (Unit 0, SWSE) ✓
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED
API 30-015-27521

15. DATE SPUDDED RH 7-30-93 RT 8-10-93
16. DATE T.D. REACHED 8-23-93
17. DATE COMPL. (Ready to prod.) 9-1-94
18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 3423' GR
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3950'
21. PLUG, BACK T.D., MD & TVD 1375'
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1207-1239' Premier
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL/LDC & DLL
27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		40'	26"	Cement to surface	
8-5/8"	24#	1350'	12-1/4"	500 sx - circulate	
5-1/2"	15.5#	3950'	7-7/8"	830 sx - circulate	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	1177'	

31. PERFORATION RECORD (Interval, size and number)
3462-3510' w/9 .42" holes; 2903-2916' w/16 .42" holes; 2744-2770' w/9 .42" holes; 1822-1947' w/18 .42" holes (squeezed); 1412-1457' w/16 .42" holes (squeezed) and 1207-1239' w/15 .42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED SHEET	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9-1-94	Pumping	Shut in					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-5-94	24			12		209	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
10	10		12		209		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Tony Vasquez

35. LIST OF ATTACHMENTS
Deviation survey and logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Rusty Klein TITLE Production Clerk DATE 5-19-95

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

YATES PETROLEUM CORPORATION
Choque AMX Federal #1
Section 5-T18S-R27E
Eddy County, New Mexico

#32: ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.:

<u>DEPTH INTERVAL</u>	<u>TREATMENT</u>
3462-3510'	Acidized with 2000 gallons 20% NEFE HCL acid and ball sealers
2903-2916'	Acidized with 2000 gallons 20% NEFE HCL acid and ball sealers
2744-2770'	Acidized with 2000 gallons 20% NEFE HCL acid and ball sealers
1822-1947'	Acidized with 4000 gallons 20% NEFE acid and ball sealers
1412-1457'	Acidized with 3000 gallons 15% NEFE acid and ball sealers
1207-1239'	Acidized with 2000 gallons 7-1/2% NEFE HCL acid and ball sealers
1412-1457' & 1822-1947'	pumped 300 sacks Class C 3% CaCl ₂ into perforations - on vacuum. Pumped 200 sacks Class C with 7 sacks of 3% CaCl ₂ injected on fly - squeezed.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

D. ...
Artesia, NM 88210

Expires: March 31, 1993

Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Yeso Wildcat

11. County or Parish, State

Eddy County, NM

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 proposals

SUBMIT IN TRIPLICATE

OCT 22 '94

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Squeeze perforations

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

9-27-94 - Moved in and rigged up pulling unit. Pulled rods, pump and tubing. WIH and retrieved RBP at 1279'. Shut well in.
9-28-94 - RIH with retainer. Pumped down tubing - vacuum. Set retainer at 1375'. Loaded backside. Pressured to 300# across Premier perforations 1207-1249'. Mixed 300 sacks Class "C" 3% CaCl2 cement and pumped into San Andres perforations 1412-1457' and 1822-1947'. On vacuum. Shut down. Mixed 200 sacks Class "C" cement. Injected 7 sacks of 3% CaCl2 on fly. Pressured to 442#. Washed up. Displaced. Vacuum - 1 BPM. Pressured to 214#. Pressured up to 800# then fell to 150#. Pressured up to 900#. Stung out of retainer. Reversed out. No show of communication between San Andres and Premier.
9-29-94 - POOH with retainer and 2-7/8" tubing. Ran back in hole with seating nipple and 2-7/8" tubing. Ran pump and rods. Spaced out stroke. Released to production.

OCT 20 1994

RECEIVED
OCT 6 10 56 AM '94
CARE AREA

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

Signed Rusty Allen Title Production Clerk

Date Oct. 3, 1994

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of 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.

*See Instruction on Reverse Side

RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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 proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

YATES PETROLEUM CORPORATION ✓ (505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Yeso Wildcat

11. County or Parish, State

Eddy County, NM

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 Perfs & acid
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

Moved in and rigged up pulling unit. WIH w/bit and scraper. Drilled DV tool at 1718'. Tested casing to 3000#. Displaced hole with 2% KCL water. POOH. WIH and perforated Yeso (Y1) 3462-3510' w/9 .42" holes as follows: 3462, 74, 78, 83, 87, 94, 96, 3502' and 3510'. Straddled perforations 3462-3510'. Acidized perfs. 3462-3510' w/2000 gallons 20% NEFE HCL acid and ball sealers. WIH and perforated 2903-2916' (Y3) w/16 .42" holes (2 SPF) as follows: 2903, 04, 08, 09, 13, 14, 15 & 2916'. Straddled perforations 2903-2916' and acidized with 2000 gallons 20% NEFE HCL acid and ball sealers. Swabbing. Moved RBP and packer. Straddled perforations 3462-3510' (Y-1) and swabbed. WIH and perforated 2744-2770' (Y-4) w/9 .42" holes as follows: 2744, 49, 50, 51, 55, 56, 62, 63 & 2770'. WIH w/packer and RBP. Straddled perforations 2744-2770' and acidized with 2000 gallons 20% NEFE HCL acid and ball sealers. Swabbing. POOH w/packer. Set CIBP at 2715' with 35' of cement on top. Perforated 2 holes at 2200' and 2 holes at 1850'. WIH w/packer. Set above perforations at 2200'. Pumped 100 bbls of fresh water. POOH with packer. WIH w/retainer on 2-7/8" tubing. Set at 2150'. Established circulation. Cemented with 125 sacks Premium Plus. Pulled out of retainer. Pulled up to 1750'. Reversed to surface. Shut well in. WIH and perforated 1822-1947' w/18 .42" holes as follows: 1822; 23, 28, 29, 32, 33, 59, 64, 74, 78, 83, 99, 1905, 14, 28, 40, 43 & 1947'.

CONTINUED

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

Signed Rusty Klein Title Production Clerk Date Sept. 16, 1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

J. Lara
OCT 12 1993

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.

*See Instruction on Reverse Side

CARLSBAD, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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 proposals

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

Choque AMX Federal #1

2. Name of Operator

YATES PETROLEUM CORPORATION (505) 748-1471

9. API Well No.

30-015-27521

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

10. Field and Pool, or Exploratory Area

Yeso Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

OCT 18 1993

11. County or Parish, State

Eddy County, NM

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 Perfs. & acid
 Change of Plans
 New Construction
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 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

CONTINUED FROM PREVIOUS PAGE:

Straddled perforations (San Andres - SA-1) 1822-1947' and acidized with 4000 gallons 20% NEFE acid and ball sealers. WIH and perforated 1412-1457' (SA-2) with 16 .42" holes as follows: 1412, 14, 15, 18, 19, 23, 24, 27, 28, 31, 32, 38, 44, 45, 50 & 1457'. WIH with packer on 2-7/8" tubing. Tested to 1700#. Acidized perforations 1412-1457' with 3000 gallons 15% NEFE acid. Swabbing. POOH with packer. Ran tubing and rods. Released to production.

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

Signed Rusty Klien Title Production Clerk Date Sept. 16, 1993

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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 proposals

SUBMIT IN TRIPLICATE

RECEIVED

SEP - 1 1993

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.
105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 2310' FEL of Section 5-T18S-R27E

5. Lease Designation and Serial No.
NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Choque AMX Federal #1

9. API Well No.
30-015-27521

10. Field and Pool, or Exploratory Area
Yeso Wildcat

11. County or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Spud & conductor</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)*

Spudded a 26" hole at 11:15 AM 7-30-93. Set 40' of 20" conductor pipe. Cemented to surface with ready-mix.

8-9-93 - Moving in rotary tools.

NOTE: Notified Shannon Shaw of spud time and date.
Notified Shannon Shaw of moving in rotary tools.

RECEIVED
AUG 12 11 12 AM '93
CARI AREA

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

Signed Kuste Klein Title Production Clerk Date August 10, 1993

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

J. Lued
1993

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Drawer DD
Artesia, NM 88210

Budget Bureau No. 1004-0135
Expires: March 31, 1993

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 proposals

SUBMIT IN TRIPLICATE

OCT 05 '94

1. Type of Well

Oil Well Gas Well Other

O. C. D.

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

ARTESIA, OFFICE

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Yeso Wildcat

11. County or Parish, State

Eddy County, NM

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 Perfs & acid
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

8-18-94 - Moved in and rigged up pulling unit. POOH with rods and tubing. WIH with retrieving tool on 2-7/8" tubing. Retrieved RBP at 1700'. POOH. WIH with packer and set at 1700'. Swabbed. Shut well in.
8-19-94 - Swabbed. POOH with packer. Rigged up wireline. WIH w/4" casing guns and perforated 1207-1239' w/15 .42" holes (1 SPF) as follows: 1207, 08, 09, 10, 11, 12, 13, 14, 15, 34, 35, 36, 37, 38 & 1239'. Straddled perforations. Acidized with 2000 gallons 7-1/2% NEFE HCL acid and ball sealers. Swabbed.
8-20-94 - POOH with packer. RIH with pump and rods. Set pumping unit. Spaced out stroke.
8-21-22-94 - Released to production.

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

Signed Kustis Klein Title Production Clerk Date Aug. 24, 1994

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of 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.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL & GAS COMMISSION
Drawer DD
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

46

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 proposals

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Yeso Wildcat

11. County or Parish, State

Eddy County, NM

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 2310' FEL of Section 5-T18S-R27E

RECEIVED
OCT 18 1993
C. D.

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Resumed drilling; surf. casing & cement

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(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.)*

Resumed drilling a 12-1/4" hole with rotary tools at 10:00 AM 8-10-93. NOTE: Notified Duncan Whitlock with BLM in Carlsbad.

TD 1350'. Ran 31 joints of 8-5/8" 24# J-55 (1353') of casing set at 1350'. 1-Texas Pattern notched guide shoe set at 1350'. Float collar set at 1305'. Cemented with 450 sacks Pacesetter Lite "C", 10#/sack gilsonite, 1/2#/sack celloseal and 3% CaCl2 (yield 1.32, weight 14.8). PD 8:00 AM 8-13-93. Bumped plug to 750 psi, OK. Cement did not circulate. WOC 4 hours. Ran 1". Tagged cement at 47'. Spot 50 sacks cement. PD 1:45 PM 8-13-93. Circulated 5 sacks to pit. WOC. Drilled out at 2:45 AM 8-14-93. WOC 18 hours and 45 minutes. Nipped up and tested to 1500# for 30 minutes, OK. Reduced hole to 7-7/8". Resumed drilling.

ACCEPTED FOR RECORD
J. Lara
OCT 12 1993
CARLSBAD, NEW MEXICO

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

Signed Rusty Allen Title Production Clerk Date Sept. 16, 1993

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Choque AMX Federal #1

9. API Well No.
30-015-27521

10. Field and Pool, or Exploratory Area
Yeso Wildcat

11. County or Parish, State
Eddy County, NM

AREA _____

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 YATES PETROLEUM CORPORATION / (505) 748-1471

3. Address and Telephone No.
 105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 660' FSL & 2310' FEL of Section 5-T18S-R27E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Production casing & cmt</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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.)*

TD 3950'. Ran 96 joints of 5-1/2" 15.5# J-55 (3951.43') of casing set at 3950'. Float shoe set at 3950'. Float collar set at 3907.75'. DV tool set at 1717.90'. Cemented in two stages as follows: Stage 1: 530 sacks Class "H", 5#/sack CSE, .5% CF-14 (yield 1.37, weight 14.8). PD 5:00 PM 8-24-93. Bumped plug to 750 psi for 1 minute. Circulated through DV tool for 2-1/4 hours. Stage 2: 100 sacks "H", 12% Thixad, 10#/sack gilsonite, 1/4#/sack celloseal (yield 1.54, weight 14.5). Tailed in with 200 sacks "C" 2% CaCl2. (yield 1.32, weight 14.8). PD 7:45 PM 8-24-93. Bumped plug to 1000 psi for 1 minute, OK. Circulated 25 sacks. Released rig at 12:00 AM 8-25-93. NOTE: On 1st stage of cement, circulated pre-flush but no cement.

Waiting on completion unit.

ACCEPTED FOR RECORD
J. Lara
 OCT 12 1993
 CARLSBAD, NEW MEXICO

14. I hereby certify that the foregoing is true and correct
 Signed *Rusty Glen* Title Production Clerk Date Sept. 16, 1993
 (This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Yates Petroleum Corporation

3. ADDRESS OF OPERATOR
 105 South Fourth Street, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 660' FSL and 2310' FEL
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 9 miles SE of Artesia, New Mexico

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH: 3900'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3423 GR

22. APPROX. DATE WORK WILL START*
 ASAP

5. LEASE DESIGNATION AND SERIAL NO.
 NM-71762

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

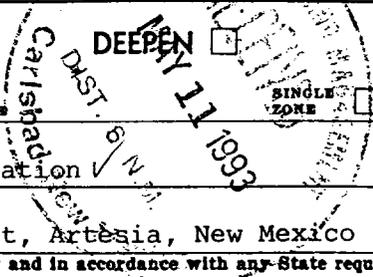
8. FARM OR LEASE NAME
 Choque AMX Fed

9. WELL NO.
 #1

10. FIELD AND POOL, OR WILDCAT
 Yeso Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 0 Sec. 5-T18S-R27E

12. COUNTY OR PARISH | 13. STATE
 Eddy | NM



JUL 2 1993
G.I.D.

PROPOSED CASING AND CEMENTING

ROSWELL CONTROLLED WATER BASIN

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	1340	600 sx circulated
7 7/8	5 1/2 or 4 1/2	15.5 or 10.5	TD	400 sx (See Stipulations)

Yates Petroleum Corporation proposes to drill and test the Yeso intermediate formation. Approximately 1340' of surface casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production.

MUD PROGRAM: 0-1340 - FW and 1340 to TD, Cut Brine

BOP PROGRAM: Bop will be installed on 8 5/8" casing and tested daily

No H₂S is expected

Moved loc. to 660' from 330' per Bum on site check KB

IO-1
7-9-93
VLAAP

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: [Signature] TITLE: Landman DATE: 5/7/93

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
 APPROVED BY: Don Dunton TITLE: **AREA MANAGER** DATE: **JUL 1 - 1993**

CONDITIONS OF APPROVAL, IF ANY:

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

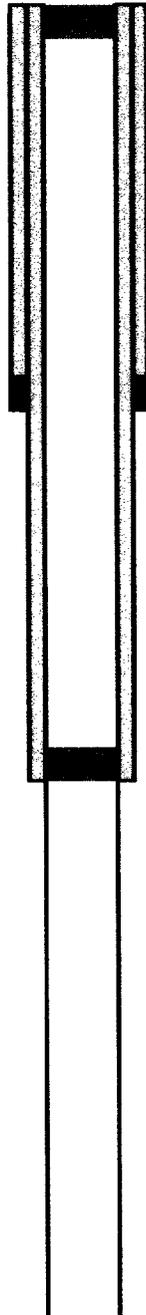
*See Instructions On Reverse Side

**Adkisson, A.W.
Brainard #1
Section 5, T-18-S, R-27-E**

API Number: 30015 00777
P&A: 6/21/39
Datum:

Depth Cmt Vol

Casing Size: 10 3/4"
Depth: 625'
Sx cmt 2 tons clay



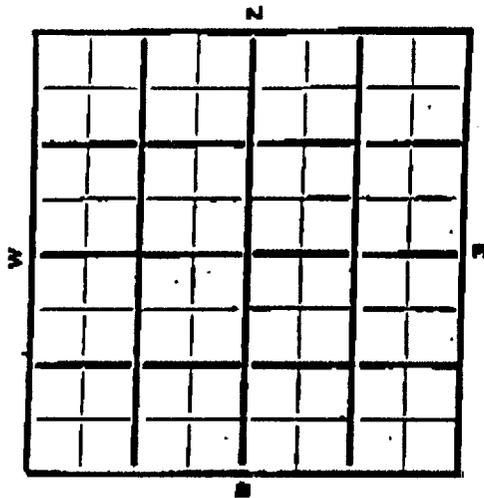
*Cmt Plug Surface 5 sx

Casing Size: 8 1/4"
Depth: 1036'
Sx cmt 2 tons clay
& 1000#
aquagel

*Cmt Plug 1036' 5 sx

Plugs are assumed, not reported

**SCOUT REPORT
NEW MEXICO
OIL CONSERVATION COMMISSION**



Company A. W. Adkinson *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 Runned**

SIZE	FEET	INCHES	MAX DENSITY
10 3/4	825		Mud
8	1036		Set

Tubing Record

Packer

ACID RECORD

Gal.	TA
	TX
	BX
	TRS
	TY
	TBL
	TWL

Top Pay TD

SHOOTING RECORD

No. of Quarts	From	To
S/	B/	S/
S/	S/	S/

DATE		DATE	
7-19-38	Location	11-21	T. D. 979 RB
7-26	"		S. D. Orders
8-2	"	11-29	S D Orders 979 RB
8-9	"	12-18	Ø 1042 L
8-16	"		Ø 1238 S
8-23	"		Ø 1238
8-30	"	12-20	Tstg pmps. S D 1242
9-7	"	12-28	1250 L tstg - pmpd 5 BQ &
9-12	"		IB But wtr may deepen
9-19	"		S D O
9-28	"	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. 825 RB	1-31	Ø 1365 L
	S D Orders	2-7	T.D. 1320 L
11-1	"		S D Orders
11-8	"	2-14	Ø 1366 A & L
11-15	T.D. 922 R & G	2-21	Ø 1400 L
	Ø 906	2-28	Ø 1438 A & L
	Prep to Underream		

petroROM Well Report
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 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	Init Lahee Class	: D
Section or Equiv	: SEC 5	Final Lahee Class:	D
Township	: S018	Permit Number	:
Range	: E027	Elevation	: 00000 ()
Spot	:		
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							24H	
0003 DST	1248	1248								

----- Pipe Recovery -----

Test Amount	Unit	Desc	Amount Unit Desc			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 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

JUL-11-1997 11:09 FROM BUREAU OF LAND MANAGEMENT TO 85957469072 P.21

New Mexico

L. W. Adkinson, Operator

Brindard Lease

Well #1 (hole)

Location: Center of SE $\frac{1}{4}$
of SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 5
R-7-E, T-18-S

Elev. 3477'

0	
20 Lime	1320 lime, water
23 Shale	1322 hard lime
66 Lime	1328 lime, red rock
90 Red Shale	1315 sandy lime
100 lime & Anhy, water	1323 lime-anhy.
129 lime & gyp. HFV	1325 sandy lime
176 Anhy. & gyp	1340 lime-anhydrite
183 Blue shale	1374 lime-anhydrite
213 gyp	1425 lime
229 lime & anhydrite	1432 lime-anhy.
301 anhy. & gyp	1437 lime-anhydrite
315 lime & anhydrite	1445 blue lime
328 shale & anhydrite	1450 crystallite lime
325 lime, hard	1471 lime
346 gyp	1477 lime anhydrite
395 anhy., hard	1502 gray lime
430 gyp & anhy.	1577 gray lime-little anhy. in last ft.
435 lime & red bed	1521 lime-anhy.
463 anhydrite	1541 lime
538 red shale & anhy	1546 lime-anhy.
539 anhydrite	1560 lime-small amount of gas
582 red shale & anhy.	1615 mixed lime
600 gyp & anhydrite	1625 lime
612 gyp & red shale	1628 lime (very hard)
625 gyp & anhydrite	1712 lime
(425' 10" casing)	1720 sandy lime
630 blue shale	1728 lime-hard
713 gyp, broken	1807 lime
725 blue sandy shale	(At 1820 baled hole 55 inches oil & water)
753 sandy shale & gyp	1946 lime (April 25, 1939 drilling ahead)
812 red shale & gyp	1959 lime
819 red shale	1972 sandy lime
878 red shale & gyp	1982 lime
905 anhydrite	2002 lime R.D. - dry
913 red sand (started underdigging 8")	
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	
1082 lime	
1100 red rock & lime	
1107 lime & anhydrite	
1123 lime	
1135 sandy lime	
1142 sand	
1147 sand & gyp	
1159 sandy lime & gyp	
1175 lime & red rock	
1198 lime	
1204 lime & red rock	
1225 lime, hard	

T. L. Hart

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

JUL-11-1997 11:10 FF BUREAU OF LAND MANAGEMENT TO BE057469072 P.02

301 anhy. & gyp
 315 lime & anhydrite
 318 shale & anhydrite
 323 lime, hard
 348 gyp
 395 anhy., hard
 430 gyp & anhy.
 455 lime & red bed
 482 anhydrite
 533 red shale & anhy
 559 anhydrite
 582 red shale & anhy.
 600 gyp & anhydrite
 612 gyp & red shale
 625 gyp & anhydrite
 (625' 10" casing)
 630 lime shale
 713 gyp, broken
 725 lime sandy shale
 753 sandy shale & gyp
 818 red shale & gyp
 819 red shale
 872 red shale & gyp
 903 anhydrite
 915 red sand (started underdigging 8")
 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
~~1053 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
 1227 lime, hard
 1238 sand, some oil & water
 1240 lime shell
 1242 sand, live oil above
 1244 lime
 (1242 to 1242 bailed water)
 1244 sandy lime
 1248 lime
 1250 sandy lime
 1253 sandy lime
 1260 lime, hard
 1264 sandy lime
 1267 sand
 1268 lime sand

1437 lime-anhydrite
 1445 lime lime
 1450 crystallite lime
 1471 lime
 1477 lime anhydrite
 1502 grey lime
 1577 grey lime-little anhy. in last ft.
 1581 lime-anhy.
 1541 lime
 1546 lime-anhy.
 1580 lime-small amount of gas
 1615 mixed lime
 1655 lime
 1659 lime (very hard)
 1718 lime
 1720 sandy lime
 1723 lime-hard
 1897 lime
 (At 1880 bailed hole 35 inches oil & water)
 1942 lime (April 25, 1939 drilling ahead)
 1959 lime
 1972 sandy lime
 1985 lime
 2008 lime R.D. - Dry

T. D. Dot

Pipe: 8 1/2" set at 1015' 2"
 8 1/2" underreamed 1035'
 10" set at 625'
 (put heavy mud back of pipe)
 Also 1000' of aquagal

**APPROVED CURRENT INJECTION
WELLS WITHIN AREA OF REVIEW**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
311 S. 1st Street
Albuquerque, NM 88210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

ASP

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 proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage. Sec., T., R., M., or Survey Description)

50' FSL & 1930' FWL, Unit N, Sec. 5-18S-27E

5. Lease Designation and Serial No.

NM-7714

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

West Red Lake Unit 8910089700

8. Well Name and No.

West Red Lake Unit #60

9. API Well No.

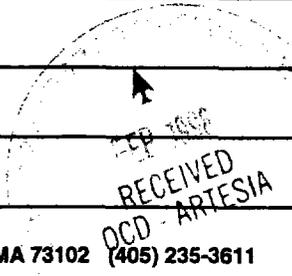
30-015-28781

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

11. County or Parish, State

Eddy County, NM



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
- Dispose Water

(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.)*

Administrative Order #WFX-726

Work began on 12/15/97, cld out sd fill to PBTD (2153'). TIH w/RBP & set @ 1460'. Tstd RBP. Set pkr above perms, tstd csg to 500 psi, held. Established injection rate 7 bpm @ 1000 psi, Sptd 2 sxs sd on RBP. **Squeezed Premier and U. San Andres perms 1191-1365' w/100 sxs cl "C" cmt, followed by 50 sxs cl "C".** WOC. Drld cmt' f/1160-1375'. Tstd perms to 500#. POOH w/RBP. **Additionally Perf'd San Andres 1716', 18', 20', 32', 34', 36', 38', 42', 44', 46', 48', 50', 70', 72', 74', 76', 78', 80', 90', 92', 94', 96', 1872', 74', 76', 98', 99', 1900', 64', 66', 68', 70', 72', 74', 76', 78', 80', 82', 84', 90', 92', 96', & 98,** for a total of 43 (.40" EHD) holes. Set pkr @ 1408. **BJ Acidized San Andres perms 1536-1998' w/5000 gals 15% NEFE acid & 2500# rock salt.** ISIP 1490 psi. TIH w/2-3/8" 4.7# J-55 8rd IPC tbg & Baker Nickel plated J-Loc pkr, Set pkr @ 1466'. Ran MIT test to 400#, okay. **Well converted to WIW 12/22/97**

*Post JD-3
3-6-98
Prod to WIW*

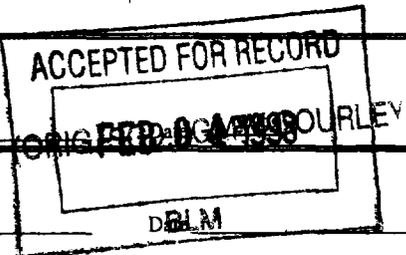
1716-1998

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

Signed *Diana Keys*
(This space for Federal or State office use)

Diana Keys

Title Engineering Technician



Approved by _____
Conditions of approval, if any:

Title _____

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 any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED

615F

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a TYPE OF WELL: OIL WELL GAS WELL DRY Other

b TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR Other

2 NAME OF OPERATOR
DEVON ENERGY CORPORATION (NEVADA)

3 ADDRESS AND TELEPHONE NO.
20 N. BROADWAY, SUITE 1500, OKC, OK 73102-8260 (405) 235-3611

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 840' FSL & 1750' FWL

At top prod. interval reported below (SAME)

At total depth (SAME)

5. LEASE DESIGNATION AND SERIAL NO.
NM-NM-7714
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
West Red Lake 8910089700
8. FARM OR LEASE NAME, WELL NO.
West Red Lake Unit #44
9. API WELL NO.
30-015-28444
10. FIELD AND POOL, OR WILDCAT
Red Lake (Q-GB-SA)
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 5-T18S-R27E
Unit N

14. PERMIT NO. DATE ISSUED 4/4/95
12. COUNTY OR PARISH Eddy 13. STATE NM

15. DATE SPUNDED 10/7/95 16. DATE T.D. REACHED 10/11/95 17. DATE COMPL. (Ready to prod.) 10/27/95
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 3468' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 2250' 21. PLUG, BACK T.D., MD & TVD 2203' 22. IF MULTIPLE COMPLETIONS, HOW MANY? N/A
23. INTERVALS REPORTED BY ACCEPTED FOR RECORD
24. ROTARY TOOLS I 25. CABLE TOOLS
26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1599-2025' San Andres
27. WAS DIRECTIONAL SURVEY MADE? NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1599-2025' San Andres

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Laterolog/MSFL, Litho-Density/Compensated Neutron and Cement Bond logs
27. WAS WELL CORED? NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8" J-55	24#	1099'	12 1/4"	350 sx Lite + 200 sx Class C TOC surface	
5 1/2" J-55	15.5#	2249'	7 7/8"	150 sx Lite + 250 sx Class C TOC surface	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	2109'	

31. PERFORATION RECORD (Interval, size and number)

1599-1680' w/6 holes (.44" EHD) San Andres Alpha
1810-1819' w/2 holes (.44" EHD), San Andres "A"
1836-1904' w/8 holes (.44" EHD) San Andres "B"
1935-1974' w/8 holes (.44" EHD), San Andres "C"
1984-2025' w/5 holes (.44" EHD) San Andres "D"

32. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
1599-2025' 2500 gals 15% NeFe acid + 58 BS
15,000 gals fresh water prepad + 57,000 gals 30#
X-Link gel + 7000# 100-Mesh sd + 227,000#
20/40 Brady sd + 24,000# 16/30 RC sd

33.* DATE FIRST PRODUCTION 10/30/95 PRODUCTIONS METHOD I (Flowing, gas lift, pumping—size and type of pump) pump WELL STATUS (Producing or shut-in) Prdg

DATE OF TEST 11/14/95 HOURS TESTED 24 hrs CHOKER SIZE PROD'N FOR TEST PERIOD OIL-BBL. 40 GAS-MCF. 80 WATER-BBL. 314 GAS-OIL RATIO 2000/1

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL-BBL. 40 GAS-MCF. 80 WATER-BBL. 314 OIL GRAVITY-API (CORR.) 39

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold to GPM Gas Srvs TEST WITNESSED BY Danny Hokett

35. LIST OF ATTACHMENTS logs and deviation survey report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED E. L. Buttross, Jr. TITLE DISTRICT ENGINEER DATED December 20, 1995

*(See Instructions and Spaces for Additional Data on Reverse Side)
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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
3113 1st
Area - NM
8210-2834
FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993
OKP

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 proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
840' FSL & 1750' of Section 5-T18S-R27E

5. Lease Designation and Serial No.
NM-7714

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
West Red Lake

8. Well Name and No.
West Red Lake Unit #44

9. API Well No.
30-015-28444

10. Field and Pool, or Exploratory Area
Red Lake; Q-GB-SA

11. County or Parish, State
Eddy County, NM

MAR 1998
RECEIVED
OCD - ARTESIA

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Acidize</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)*

Per Administrative Order No. WFX-726

Devon Energy Corporation plans to additionally perf the San Andres, Acidize, & convert to injection by performing the following to the above referenced well: PU 4 1/4" bit & TIH to ±2100'. TOH & LD bit. TIH w/4" csg gun & additionally perforate the San Andres w/ 1 JSPF @ 1811', 18', 20', 32', 34', 35', 37', 38', 43', 44', 70', 81', 83', 84', 92', 93', 94', 1901', 02', 03', 05', 06', 36', 43', 47', 53', 54', 55', 56', 60', 62', 63', 65', 66', 68', 72', 82', 83', 85', 2002', 04', 10', 12', 14', 16', 19', 20', & 23' for a total of 48 holes. (.40" EHD). TIH w/ treating pkr on 2 7/8" tbg & set pkr @ ±1520'. Acidize San Andres perfs @ 1599'- 2025' w/7000 gals 15% NE-FE acid in seven stages using ±5,000# rock salt at a maximum rate & pressure of 5 BPM & 4000 psi, respectively. Release pkr, TOH, & LD 2 7/8 tbg & pkr. PU nickel plated Baker J-Lok pkr & TIH w/ 2 3/8" 4.7# J-55 8RD EUE IPC (TK-70) tbg. With pkr @ ±1,525', NU wellhead, RU pump truck & displace hole w/ fresh wtr containing corrosion inhibitor. Set pkr @ ±1525' w/ ±5,000# tension. NU wellhead. Run MIT test by pressuring csg to 300 psi & observing for 15 minutes. Install injection meter run & put on injection.

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

Signed Marie Ozment Title Engineering Technician Date February 24, 1998

(This space for Federal or State office use)
ORIG. SGD.) DAVID R. GLASS Title PETROLEUM ENGINEER Date MAR 03 1998

Approved by _____ Title _____ Date _____
 Conditions of 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 to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

311 S. 1st St

Albuquerque, NM 87102-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

0198

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

- Oil Well Gas Well Other

2. Name of Operator

DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage. Sec., T., R., M., or Survey Description)

840' FSL & 1750' FWL, Unit N, Sec. 5-18S-27E

5. Lease Designation and Serial No.

NM-7714

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

West Red Lake Unit 8910089700

8. Well Name and No.

West Red Lake Unit #44

9. API Well No.

30-015-28444

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

11. County or Parish, State

Eddy County, NM

*REC'D
RECEIVED
OCD-ARTESIA*

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other _____

- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

Administrative Order WFX-726

Work began 2/25/98. MIRU WL, Perforate San Andres 1811', 18', 20', 32', 34', 35', 37', 38', 43', 44', 70', 81', 83', 84', 92', 93', 94', 1901', 02', 03', 05', 06', 36', 43', 47', 53', 54', 55', 56', 60', 62', 63', 65', 66', 68', 72', 82', 83', 85', 2202', 04', 10', 12', 14', 16', 19', 20', and 2023', for a total of 48 holes. Acidized San Andres 1599-2025' w/7000 gals 15% NEFE acid, ISIP 272#. TIH w/ 5-1/2" Baker nickel plated J-loc pkr on 2-3/8" IPC J-55 tbg, set pkr @ 1518'. Ran MIT test to 500# for 15 min. Began injecting water 2/27/98.

*Post FP-2
7-3-98
conv to WEL*

ACCEPTED FOR RECORD
MAR 26 1998
acs

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

Signed *Diana M Keys*

Diana Keys

Title Engineering Technician

Date 3/16/98

(This space for Federal or State office use)

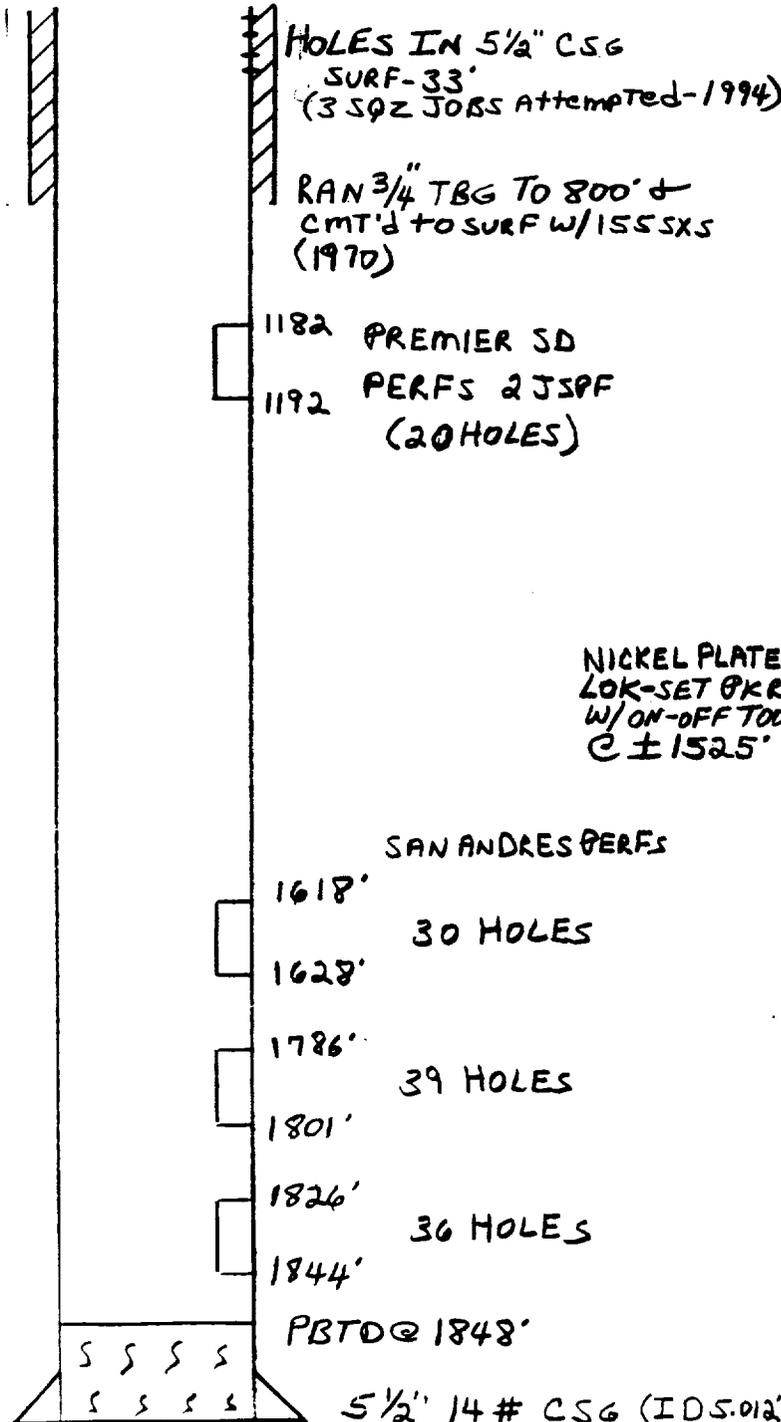
Approved by _____ Title _____ Date _____

Conditions of approval, if any:

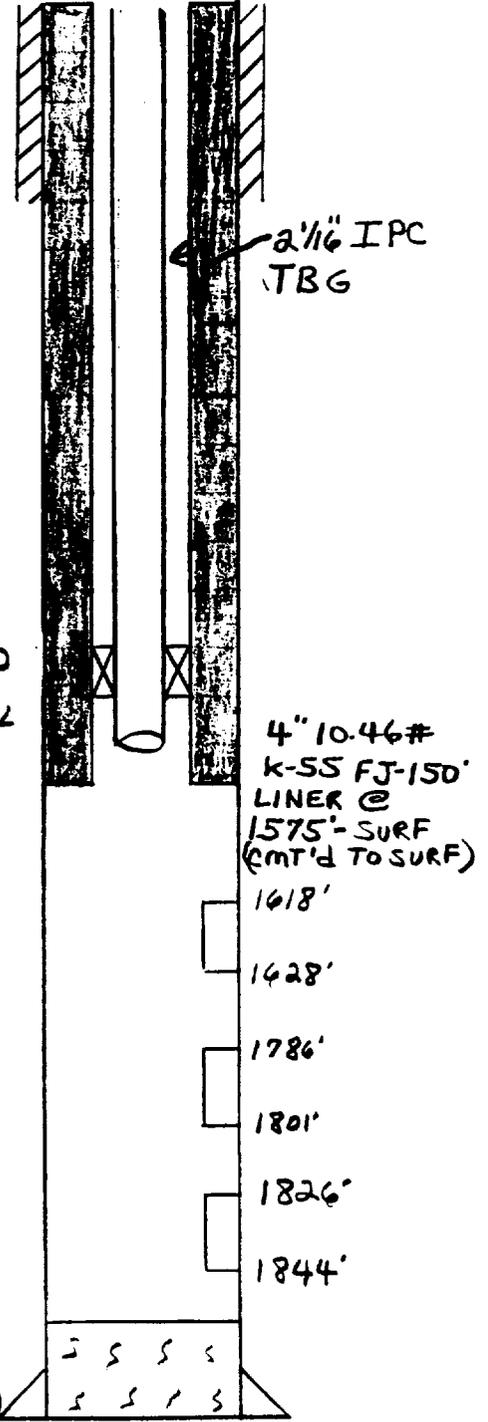
SUBJECT: WELLBORE SCHEMATIC
WEST RED LAKE UNIT #17
990' FSL & 330' FWL, Sec. 5, T18S, R27E

DATE 2/10/95 BY ELB

PRESENT



PROPOSED



5 1/2" 14 # CS6 (ID 5.012")
 SET @ 1856'
 CMT'D W/ 200 SXS
 TOC @ 968' (CALC.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210
FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

CISF

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 proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405)552-4511

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 5-M-18S-R27E 990' FSL & 330' FWL

5. Lease Designation and Serial No.
NM 7714

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
W. Red Lake 8910089700

8. Well Name and No.
West Red Lake Unit #17

9. API Well No.
30-015-00788

10. Field and Pool, or Exploratory Area
Red Lake, QN, Grybrg, SA

11. County or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Cement 4" liner inside 5 1/2" csg</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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)*

03-14-95 thru 03-17-95 Ran 4 3/4" bit to 1848'. Circ'd 100 BFW (15 bbls to load).
 Set CIBP at 1575'.
 Ran GS, 1 jt 4" csg, FC, 37 jts 4" 10.46# J-55 Hydril Wedge 511 FJ csg liner. Landed at 1570'.
 Pumped 100 sx Class H w/2.5 gals/sx D-155 (Fume Silica), 2 gals/sx D-66 (Dispersant), 2 gals/sx
 D-604AM (Gas Blok), .03 gal/sx M-45 (Defoamer); mixed at 13.5 ppg, yield 1.90 cf/sx.
 Displaced w/17.8 BFW. Bumped plug, float held. Circ'd 44 sx cement to surf.
 Drld FC, FS, CIBP and pushed CIBP to PBSD at 1848'.
 Circ'd packer fluid. Set 4" AD-1 packer at 1527' on 46 jts 2 1/16" plastic coated tbg.
03-18-95 Ran Mechanical Integrity Test by pressuring to 500 psi, held 30 mins, tested OK. ST Chart of test enclosed.
03-20-95 Tied into injection system and returned to injection.
03-21-95 Injected 750 BWPD at 600 psi TP.

RECEIVED
 MAY - 8 1995
 OIL COMMISSION
 DIST. 2

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

Signed Linda Diepenbrock
 (This space for Federal or State office use)

Title LINDA DIEPENBROCK
ENGINEERING TECHNICIAN

Date 4/3/95
 APR 10 11 42 AM '95
 RECEIVED

Approved by _____
 Conditions of approval, if any:

Title _____
 Date _____
J. Jara
 4 1995

ACCEPTED FOR RECORD

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.



Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : SDX Resources
 Lease : Chalk Fed.
 Well No. : # 1
 Salesman :

Sample Loc. :
 Date Analyzed : 02-September-1997
 Date Sampled :

ANALYSIS

1. pH 8.110
2. Specific Gravity 60/60 F. 1.128
3. CaCO₃ Saturation Index @ 140 F. +1.157 - Calcium Carbonate

Dissolved Gases

- | | MG/L | EQ. WT. | *MEQ/L |
|---------------------|----------------|---------|--------|
| 4. Hydrogen Sulfide | 400 | — | — |
| 5. Carbon Dioxide | 125 | — | — |
| 6. Dissolved Oxygen | Not Determined | | |

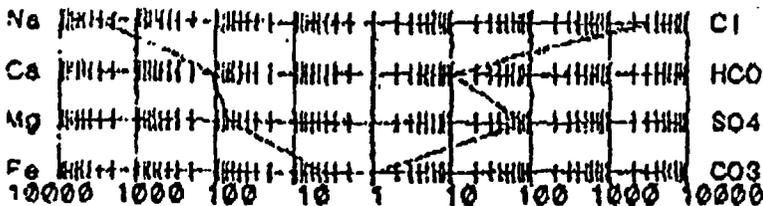
Cations

- | | | | |
|---|----------------|----------|----------|
| 7. Calcium (Ca ⁺⁺) | 2,180 | / 20.1 = | 108.48 |
| 8. Magnesium (Mg ⁺⁺) | 794 | / 12.2 = | 66.08 |
| 9. Sodium (Na ⁺) (Calculated) | 74,586 | / 23.0 = | 3,242.87 |
| 10. Barium (Ba ⁺⁺) | Not Determined | | |

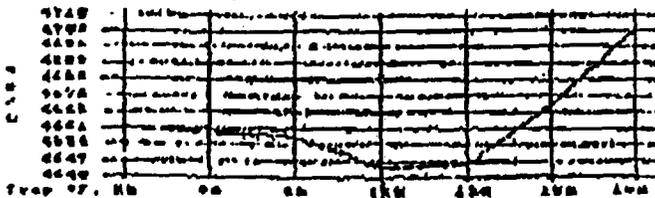
Anions

- | | | | |
|--|------------|----------|-----------|
| 11. Hydroxyl (OH ⁻) | 0 | / 17.0 = | 0.00 |
| 12. Carbonate (CO ₃ ²⁻) | 0 | / 30.0 = | 0.00 |
| 13. Bicarbonate (HCO ₃ ⁻) | 588 | / 61.1 = | 9.63 |
| 14. Sulfate (SO ₄ ²⁻) | 3,000 | / 48.8 = | 79.92 |
| 15. Chloride (Cl ⁻) | 117,073 | / 35.5 = | 3,323.18 |
| 16. Total Dissolved Solids | 200,010 | | |
| 17. Total Iron (Fe) | 89 | / 18.2 = | 3.76 Iron |
| 18. Total Hardness as CaCO ₃ | 8,712 | | |
| 19. Resistivity @ 75 F. (Calculated) | 0.001 /cm. | | |

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT. X	*meq/L	= mg/L.
Ca(HCO ₃) ₂	81.04	9.68	777
CaSO ₄	68.07	79.92	5,440
CaCl ₂	55.50	18.95	1,052
Mg(HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.18	0.00	0
MgCl ₂	47.62	65.08	3,099
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	3,239.16	189,361

*Milli Equivalents per Liter

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

B J Services Water Analysis

Artesia District Laboratory
(505)-746-3140

Date: 6-Nov-00	Test #:
Company: SDX Resources	Well #:
Loaso: Chalk Federal #2	County: Eddy
State: N.M.	Formation San Andres
Depth: 2900	Source:

pH:	6.51	Temp (F):	58.3
Specific Gravity	1.12		

<u>CATIONS</u>	mg/l	me/l	ppm
Sodium (calc.)	54502	2370.7	48662
Calcium	3208	160.1	2864
Magnesium	1458	120.0	1302
Barium	< 25	----	----
Potassium	< 10	----	----
Iron	3	0.1	2

<u>ANIONS</u>	mg/l	me/l	ppm
Chloride	93000	2623.4	83036
Sulfate	1071	22.3	957
Carbonate	< 1	----	----
Bicarbonate	878	14.4	784
Total Dissolved Solids(calc.)	154120		137607
Total Hardness as CaCO3	14014	280.0	12513

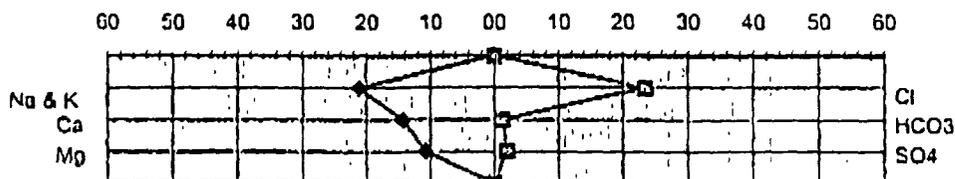
COMMENTS:

Rw= 0.0847@61.1 deg.

SCALE ANALYSIS:

CaCO3 Factor	2817907 Calcium Carbonate Scale Probability->	Probable
CaSO4 Factor	3849600 Calcium Sulfate Scale Probability ->	Remote

Stiff Plot



Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : SDX Resources
 Lease : Chalk Federal
 Well No. : # 6
 Lab No. : F:\ANALYSES\Aug2701.001

Sample Loc. :
 Date Analyzed: 27-August-2001
 Date Sampled :

ANALYSIS

1. pH 7.700
2. Specific Gravity 60/60 F. 1.108
3. CaCO₃ Saturation Index @ 80 F. +1.207
 @ 140 F. +2.087

Dissolved Gasses

	MG/L	EQ. WT.	*MEQ/L
4. Hydrogen Sulfide	10		
5. Carbon Dioxide	Not Determined		
6. Dissolved Oxygen	Not Determined		

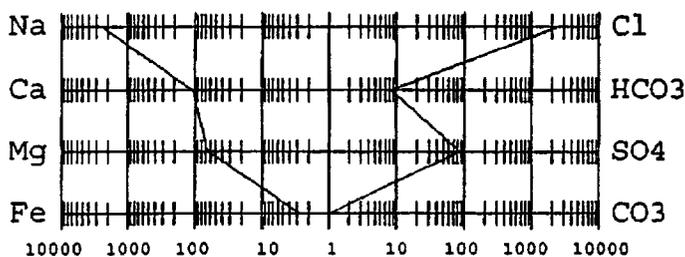
Cations

7.	Calcium (Ca ⁺⁺)	2,099	/	20.1 =	104.43
8.	Magnesium (Mg ⁺⁺)	752	/	12.2 =	61.64
9.	Sodium (Na ⁺) (Calculated)	54,669	/	23.0 =	2,376.91
10.	Barium (Ba ⁺⁺)	0	/	68.7 =	0.00

Anions

11.	Hydroxyl (OH ⁻)	0	/	17.0 =	0.00
12.	Carbonate (CO ₃ ⁼)	0	/	30.0 =	0.00
13.	Bicarbonate (HCO ₃ ⁻)	483	/	61.1 =	7.91
14.	Sulfate (SO ₄ ⁼)	4,000	/	48.8 =	81.97
15.	Chloride (Cl ⁻)	86,980	/	35.5 =	2,450.14
16.	Total Dissolved Solids	148,983			
17.	Total Iron (Fe)	48	/	18.2 =	2.64
18.	Total Hardness As CaCO ₃	8,337			
19.	Resistivity @ 75 F. (Calculated)	0.040			/cm.

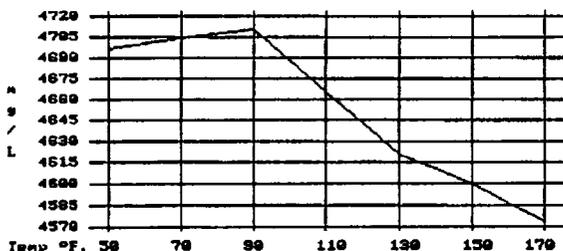
LOGARITHMIC WATER PATTERN *meq/L.



PROBABLE MINERAL COMPOSITION COMPOUND EQ. WT. X *meq/L = mg/L.

Ca(HCO ₃) ₂	81.04	7.91	641
CaSO ₄	68.07	81.97	5,580
CaCl ₂	55.50	14.56	808
Mg(HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCl ₂	47.62	61.64	2,935
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	2,373.95	138,781

Calcium Sulfate Solubility Profile



*Milli Equivalents per Liter

The water is mildly corrosive due to the pH observed on analysis. Corrosivity is increased by the content of mineral salts, and the presence of iron in solution.

Notification:

½ Mile Radius of Review Offset Operators

Devon Oil Co.
20 N. Broadway, STE 1500
Oklahoma City, OKlahoma 73102-8260

Petroleum Corp.
3811 Turtle Creek #350
Dallas, Texas 75219

Yates Petroleum
105 S. 4th
Artesia, New Mexico 88210

Gruy Petroleum
814 W. Marland
Hobbs, New Mexico 88240

Surface Owner:

Bureau of Land Management
2909 W. 2nd St
Roswell, New Mexico 88201

The above listed parties have been sent by certified mail copies of the C-108 Application .

TO THE RIGHT OF RETURN ADDRESS:
FOLD AT DOTTED LINE

CERTIFIED MAIL



7000 0520 0020 7967 5606
7000 0520 0020 7967 5606

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Return Receipt Fee (Endorsement Required)	1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Recipient's Name (Please Print Clearly) (To be completed by mailer)
Petroleum Corp.
Street, Apt. No., or PO Box No.
3811 Turple Creek #350
City, State, ZIP+4
Dallas TX 75219

PS Form 3800, February 2000 See Reverse for Instructions

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Certified Fee	2.10	
Return Receipt Fee (Endorsement Required)	1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Recipient's Name (Please Print Clearly) (To be completed by mailer)
Bureau of Land Management

TO THE RIGHT OF RETURN ADDRESS:
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7000 0520 0020 7967 5590

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Postage	\$ 2.18	Postmark Here
Certified Fee	2.10	
Return Receipt Fee (Endorsement Required)	1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Recipient's Name (Please Print Clearly) (To be completed by mailer)
Yates Petroleum
Street, Apt. No., or PO Box No.
105 S. 4th
City, State, ZIP+4
Artesia, Nm 88210

PS Form 3800, February 2000 See Reverse for Instructions

U.S. Postal Service
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6955 2962 0200 0250
6955 2962 0200 0250



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TO THE RIGHT OF RETURN ADDRESS.
FOLD AT DOTTED LINE

CERTIFIED MAIL

TO THE RIGHT OF RETURN ADDRESS:
FOLD AT DOTTED LINE

CERTIFIED MAIL



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7000 0520 0020 7967 5583

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Certified Fee	2.10	
Return Receipt Fee (Endorsement Required)	1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Recipient's Name (Please Print Clearly) (To be completed by mailer)
Gruyt Petroleum
Street, Apt. No., or PO Box No.
814 W. Marland
City, State, ZIP+4
Hobbs, NM 88240

PS Form 3800, February 2000 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage)

PS Form 3800, February 2000 See Reverse for Instructions

7000 0520 0020 7967 5613
7000 0520 0020 7967 5613

Postage	\$ 2.18	Postmark Here
Certified Fee	2.10	
Return Receipt Fee (Endorsement Required)	1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Recipient's Name (Please Print Clearly) (To be completed by mailer)
Dean Dilco
Street, Apt. No., or PO Box No.
20 N. Broadway STE 1500
City, State, ZIP+4
Oklahoma City, OK 73102

RECEIVED
JUN 21 2002
BY:

Affidavit of Publication

NO. 17746

STATE OF NEW MEXICO

County of Eddy:

Gary D. Scott being duly

sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 consecutive weeks/days on the same

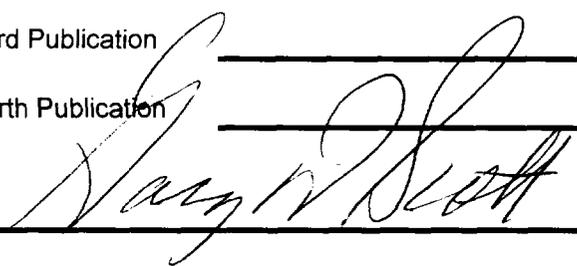
day as follows:

First Publication June 11 2002

Second Publication _____

Third Publication _____

Fourth Publication _____



Subscribed and sworn to before me this

18th day of June 2002

Barbara Ann Boas
Notary Public, Eddy County, New Mexico

My Commission expires September 23, 2003

Copy of Publication:

LEGAL NOTICE

NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

SDX Resources, Inc., 511 W. Ohio St., Suite 801, P.O. Box 5061, Midland, TX 79704, contact Chuck Morgan (915) 685-1761 is seeking administrative approval from the New Mexico Oil Conservation Division to complete the following well in Eddy County, New Mexico for fluid

injection: Chalk Bluff Draw, Well #1, located in Eddy County, Unit Ltr. K, Section 5, T18S, R27E, with perforations from 1570-3155'. The proposed injection zone is the San Andres-Yeso formation. SDX Resources, Inc. intends to inject a maximum of 1000 bbls of produced water per day at a maximum injection pressure of 320#. Interested parties must file objections or request for hearing with the New Mexico Oil Conservation Division, 1220 S. Saint Francis Dr., Santa Fe, New Mexico, 87504 within 15 days of this notice.

Published in the Artesia Daily Press, Artesia, N.M. June 11, 2002.

Legal 17746