

DATE IN 6/27/02	SUSPENSE 7/12/02	ENGINEER WJ KW	LOGGED BY SWD	TYPE 218253912
# 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

[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

Signature

Regulatory Agent

Title

Date

6/25/2002

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

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'

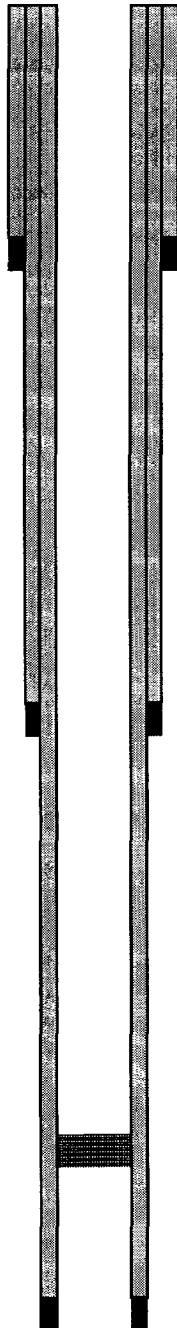
Yeso 2900'

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

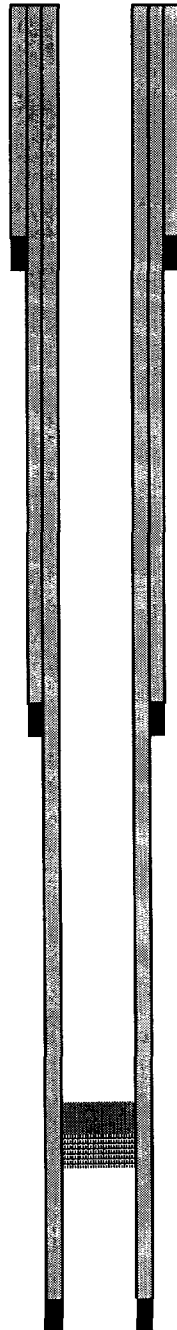
API Number: 30-015-00789

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'

61

206 278

OCT 8 1981

REFERENCE N° A 4959 -D

SCHLUMBERGER WELL SURVETING CORPORATION

BOSTON FIELD OFFICE

Gamma Ray - Neutron

151

GEOLOGICAL INFORMATION CENTER

UNIT
CHALK BLUFF
WELL
CHALK BLUFF
COMPANY
NEW MEXICO

Gamma Ray - Neutron

COMPANY JUMBLE OIL AND		Location of Well 1980' ± S&W/L GRN (ML-ES)
REFINING COMPANY		
WELL CHALK BLUFF UNIT	# 1	
FIELD WILDCAT		
LOCATION SEC. 5-185-2TE		
COUNTY EDDY		Elevation: D.F. 3512 K.B. _____ or G.L. _____
STATE NEW MEXICO		
FILING No. _____		

RUN NO.	LOG	F	G	T
1	4-1-56			
2	KB 11 ADV. BL			
3	2429			
4	0			
5	0			
6	0			
7	0			
8	0			
9	0			
10	0			
11	0			
12	0			
13	0			
14	0			
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Approximate Date:
Mar. 20 - 70
1573 - 3/55,

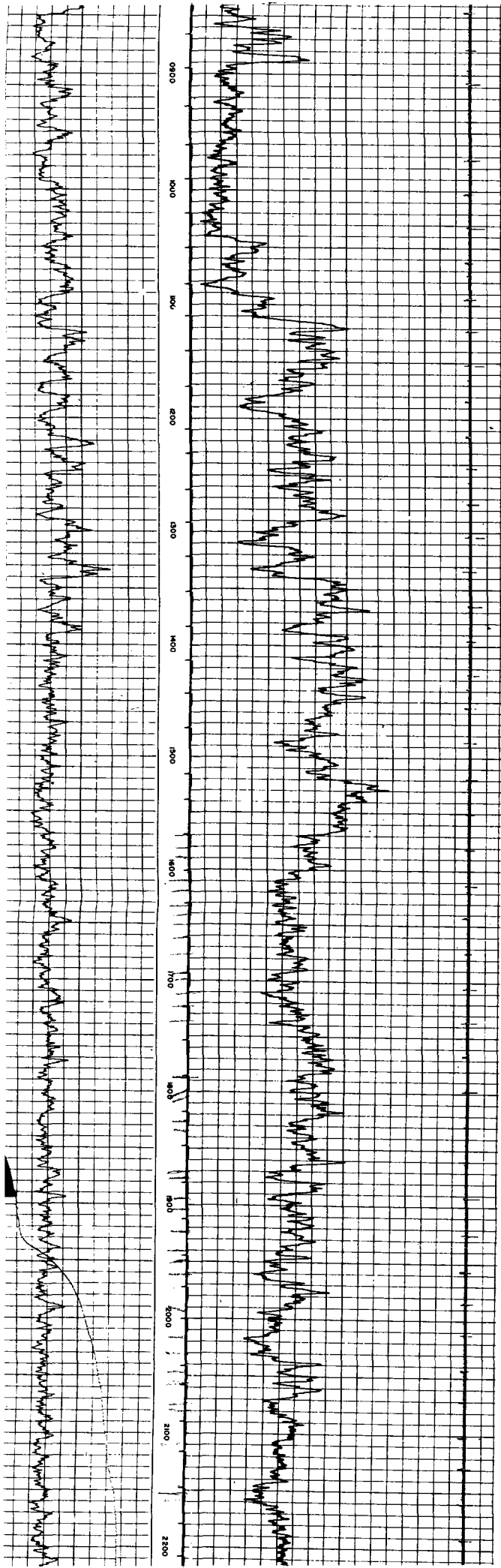
U.S. GEOLOGICAL SURVEY INFORMATION CENTER

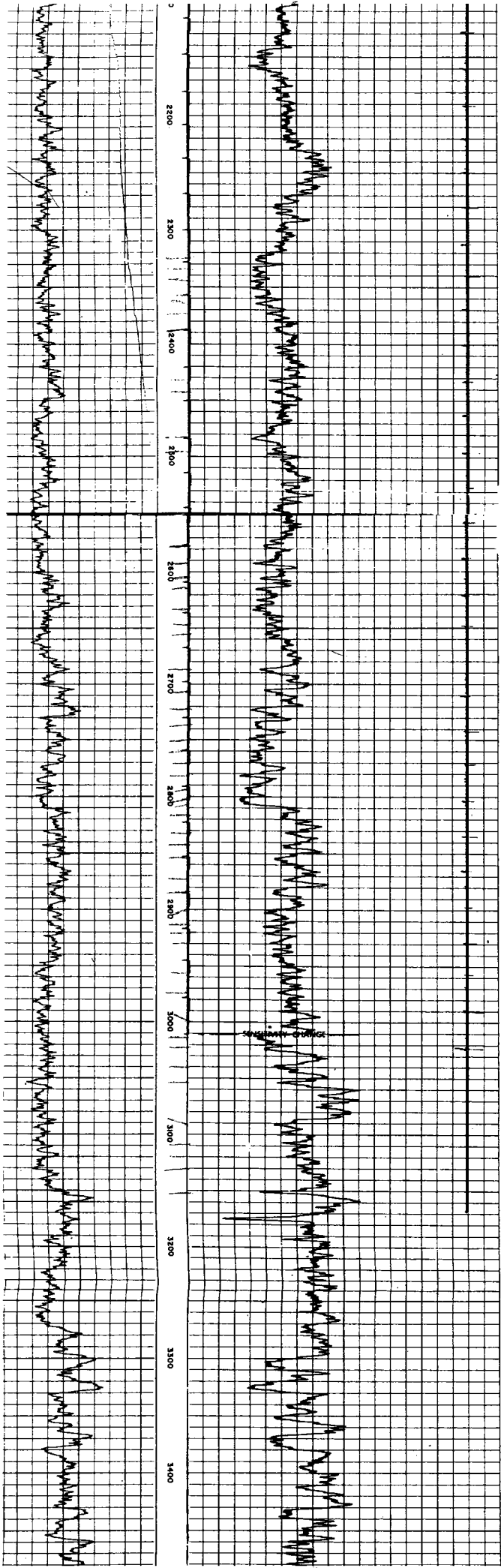
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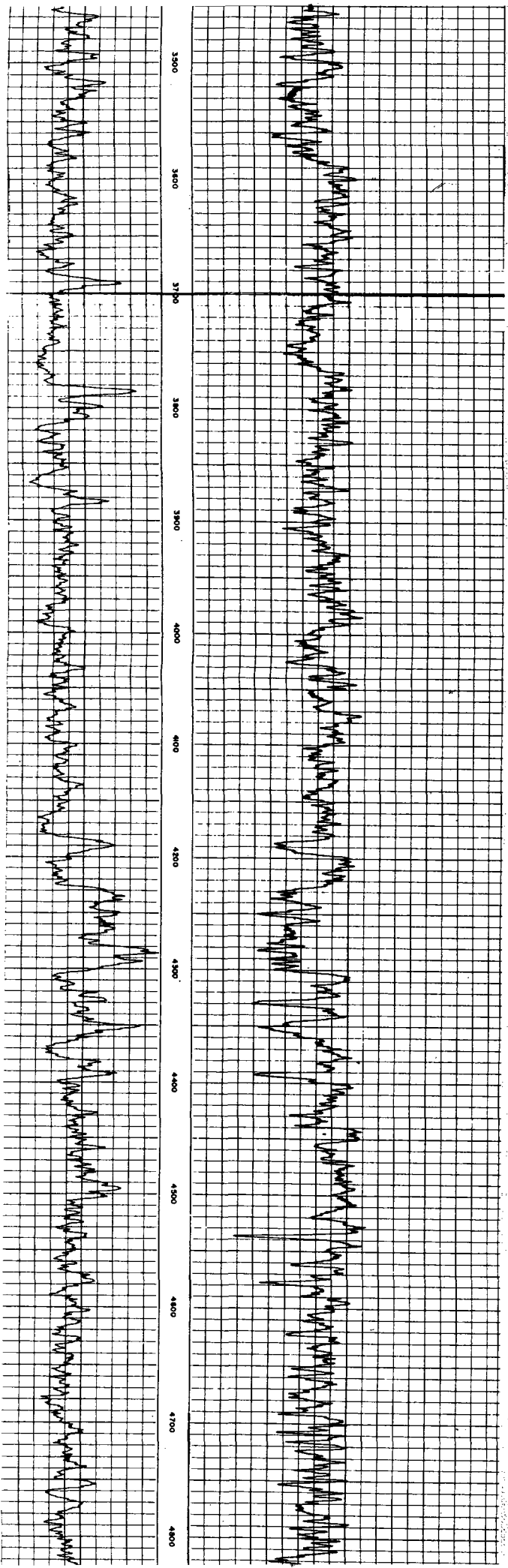
COMPLETION RECORD

SPUD DATE	
COMP DATE	
DST RECORD	
CASING RECORD	
PERFORATING RECORD	
ACID, FRAC SHOT	
IP	
GOR	GR
TP	CP
REMARKS:	

GAMMA RAY MICROGRAMS RA-EQ/TON		NEUTRON STANDARD COUNTS/SECOND
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MAR 13 1987

Electrical Log

COUNCIL
FIELD
LOCATION: WILDCAT
WELL: CHALK STAFF UNIT
COMPANY: HUMBLE OIL AND

Location of V/ell
1980' f SAN/L
ES (MI-GRN)

Elevation: D.F.: 3512

5

FILING No.

[illegible]

MARKS

Q: R36 - [60 - 100(20.0)]
Log: 502. 40: YC1.4: speed 4000' / hr.

THIS IS NOT A COMPLETE REPRODUCTION OF
THE ORIGINAL LOG

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

PERFORATING RECORD

ACID FRAC SHOT

1 P

GOR

GR

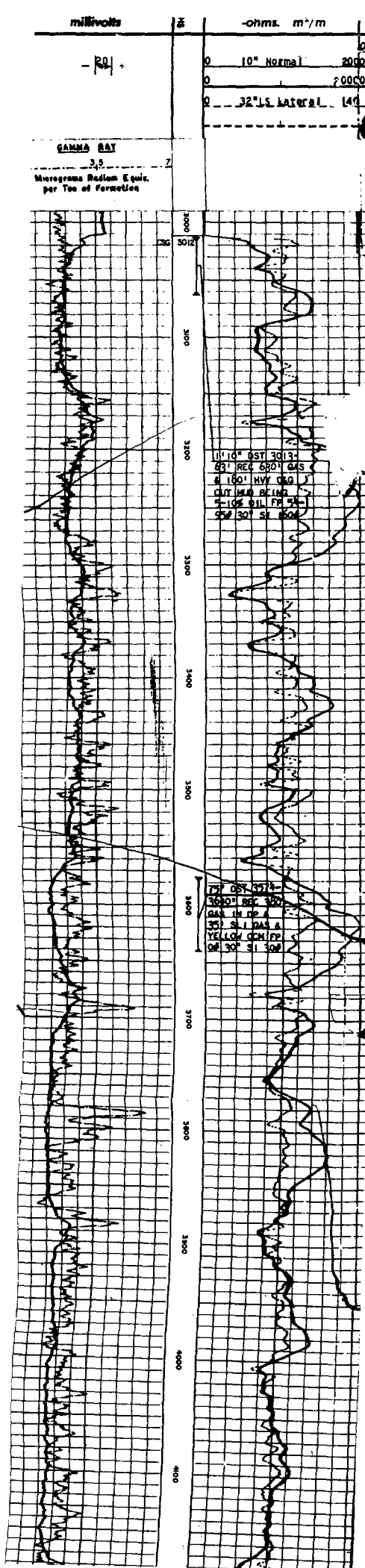
12

CP

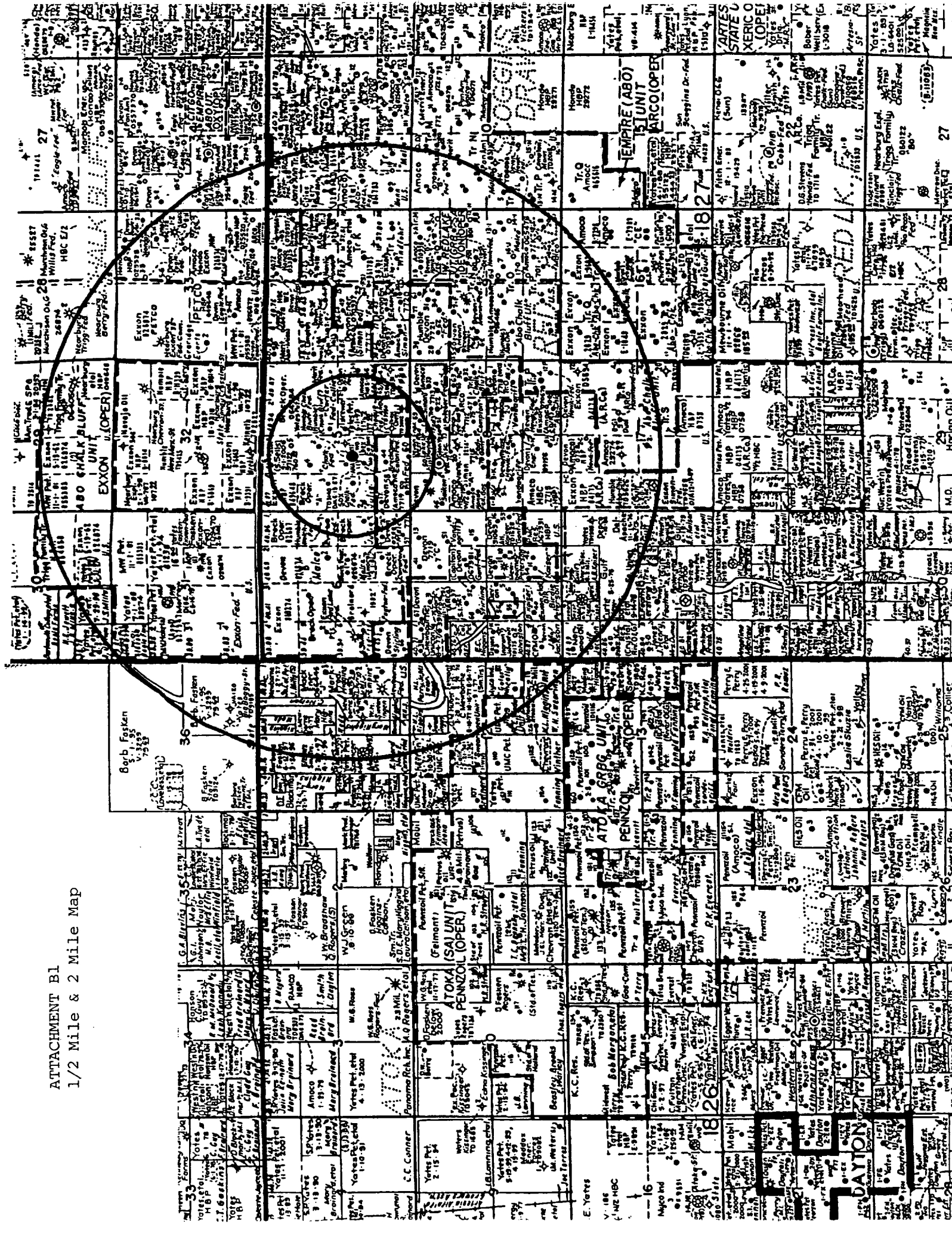
REMARKS:

CORE AND DST DATA ADDED TO THIS SURVEY BY

WEST TEXAS ELECTRICAL LOG SERVICE.



Barb Fasken
5-1-95
V-3293
7533



UNIT 1
EXXON U. (OPER) HBP 010418



WELL RADIUS REVIEW								
Radius Wells	DD	TD	Perf	Status	Casing	Cement	Calculated T/Cement (.75% eff)	
1 SDX Resources	4/13/1956	10,400	9443-9465	shut-in	13 3/8" @ 559'	350 sxs	60'	
Chalk Bluff Federal # 1	Re-comp	PB		application	9 5/8" @ 3013	1000 sxs	surf	
Section 5, T-18-S, R-27-E	8/16/2001	9110'	7940-8300	to inject	5 1/2" @ 9500'	2235 sxs	surf	
2055 FSL & 1980 FWL								
API # 30-015-00789								
2 SDX Resources	8/7/1997	2300	1827-1921	Oil	8 5/8" @ 1158	700 sxs	circ	
Chalk Federal # 1			2002-2152		5 1/2" @ 2299	400 sxs	circ	
Section 5, T-18-S, R-27-E								
2260 FSL & 1650 FWL								
API # 30-015-29567								
3 Devon	7/1/1946	1998	1540-1998	Oil	10" @ 607'	set	pulled	
Julia-Federal A # 3					8 1/4" @ 1069'	50 sxs	694'	
Section 5, T-18-S, R-27-E					6 5/8" @ 1540'	25 sxs	1290'	
2310 FNL & 990 FWL								
API # 30-015-00779								
4 Breck	12/6/1937	1824	1277-1824	P&A	10" @ 425'	N/A	surf	
Julia Federal A #2				See attached	8 5/8" @ 980'	N/A	surf	
Section 5, T-18-S, R-27-E				schematic	6 5/8" @ 1277'	N/A	surf	
1650 FSL & 300 FWL					4 1/2" liner	125 sxs	1272'	
API # 30-015-00778					1272-1832			
5 Devon Energy	6/16/1998	2395	1600-1926	Oil	8 5/8" @ 1157'	550 sxs	surf	
Julia Federal A #5					5 1/2" @ 2392'	500 sxs	surf	
Section 5, T-18-S, R-27-E								
1650 FNL & 530 FWL								
API # 30-015-30048								
6 SDX Resources	1/25/2001	3450	2796-3059	Oil	8 5/8" @ 1154'	575 sxs	circ	
Chalk Federal # 5					5 1/2" @ 3448'	600 sxs	circ	
Section 5, T-18-S, R-27-E								
990 FNL 7 2310 FWL								
API # 30-015-29650								
7 SDX Resources	12/26/2000	3221	1645-1914	Oil	8 5/8" @ 1168'	575 sxs	circ	
Chalk Federal # 2			2784-3050		5 1/2" @ 3219'	550 sxs	circ	
Section 5, T-18-S, R-27-E								
1980 FNL & 2310 FWL								
API # 30-015-29706								
8 Petroleum Corp	12/3/1957	1893	1868-1874	Oil	8 5/8" @ 1025'	350 sxs	185'	
Eaton Federal #1					5 1/2" @ 1893'	350 sxs	surf	
Section 5, T-18-S, R-27-E								
1650 FSL & 2970 FEL								
API # 30-015-00787								

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

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

27	Gruy Petroleum	12/14/1955	1863	1826-1844	Injection	13 3/8" @ 30'	10 sxs	surf
	West Red lake Unit # 17				R-3469	5 1/2" @ 1863'	200 sxs	surf
	Section 5, T-18-S, R-27-E					4" @ 1575'	100 sxs	circ surf
	990 FSI & 330 FWL							
	API # 30-015-00788							
28	Devon	4/20/1933	1893	1345-1893	Oil	12 1/2" @ 472'		pulled
	Julia Federal A #1					10" @ 992'	set	assumed
	Section 5, T-18-S, R-27-E					8 1/4" @ 1076'	50 sxs	763'
	1980 FSL & 1020 FWL					6 5/8" @ 1345'	25sxs	1075'
	API # 30-015-00782				(No cmt records - assumed volumes by operator history)			
29	SDX Resources				Oil	8 5/8" @ 1154'	675 sxs	circ
	Chalk Federal #4					5 1/2" @ 3192'	550 sxs	circ
	Section 5, T-18-S, R-27-E							
	API # 30-015-29707							
30	SDX Resources	6/21/2001	3393	2777-3046	Oil	8 5/8" @ 1140'	575 sxs	circ
	Chalk Federal # 6					5 1/2" @ 3383'	800 sxs	circ
	Section 5, T-18-S, R-27-E							
	330 FNL & 1650 FWL							
	API # 30-015-29651							
31	Devon Energy	5/23/1998	2455	1674-2109	Oil	8 5/8" @ 1148'	550 sxs	surface
	Carter Collier '5' Federal # 9					5 1/2" @ 2454'	500 sxs	surface
	Section 5, T-18-S, R-27-E							
	330 FNL & 2360 FEL							
	API # 30-015-29995							
32	Adkisson, A.W.	6/21/1939	2002	1242-2002	D&A	10 3/4" @ 625'	set	assume
	Brainard #1				See attached	8 1/4" @ 1036'	set	pulled
	Section 5, T-18-S, R-27-E				schematic			assume
	330 FSI & 1650 FEL				6/31/39	No cmt records		pulled
	API # 30-015-00777					See scout ticket attached		

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:

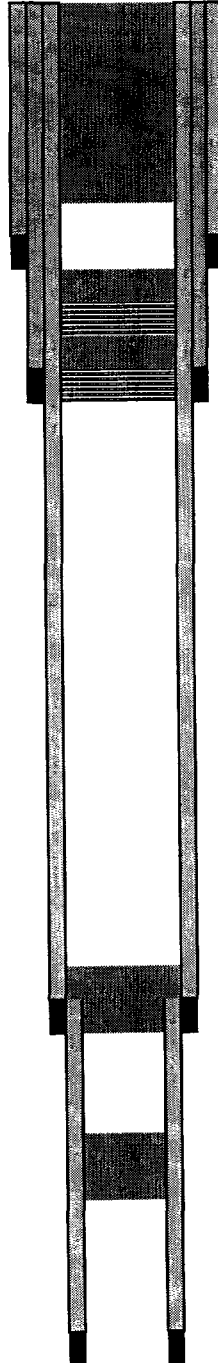
Cmt Plug 1332 20 sx

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'

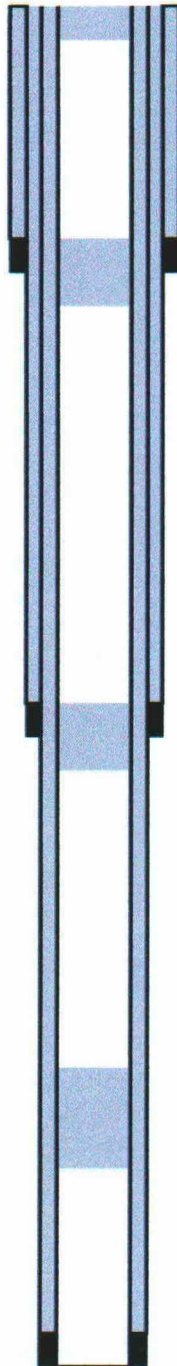
"Pump...10 sx cement in 7"
and 4 1/2" casing."

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



N. M. O. C. C. COPY

Copy to 2.11

Form 1-331
(May 1988)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE
(Other instructions on reverse side)Form Approved
Budget Bureau No. 42-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&W AND SURVEY OR AREA

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 ☒ 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, CR, 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)

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones 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 12 1986

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 1986

R. L. BECKMA

*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**

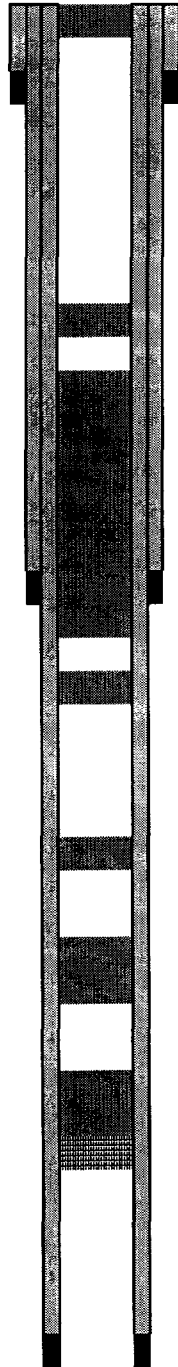
API Number: 30015 28933
P&A: 8/15/1995
Datum: 3423' GL

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'

(June 1990)

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

#90

NM OIL CO
Drawer DD
Artesia, NM 88210

Budget Bureau No. 1004-0135

Expires: March 31, 1993

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

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

OCT 05 2000

BY:

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

- ☐ 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.)

8-16-95 - Moved in and rigged up pulling unit. POOH with rods and pump. Nippled 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. Nippled 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

Title Production Clerk

Date August 16, 1995

(This space for Signature Stamp (if used))

(ORIG. SEC.) JOE G. LARA

Approved by

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.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Drawer 100-915
Budget Bureau No. 100-915
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.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

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

- ☒ 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.)*

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.

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 K. Stein

Title Production Clerk

Date June 12, 1995

(This space for Federal or State office use)

Approved by

(ORR, SCH.) 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

CONSERVATION BUREAU No. 1004-0137
Expires August 31, 1985

RECEIVED
Artesia, NM 88210
EACH DESIGNATION AND SERIAL NO.

NM-71762

6. IF INDIAN, ALLOTTEE OR TRIBAL 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

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

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDC & DLL

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)	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	CHOKE 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

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. Per DP

Expires: March 31, 1993

Artesia, NM 88210

NM 88210 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

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

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 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.

RECEIVED

OCT 6 10 56 AM '94

CARD AREA

OCT 20 1994

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

Signed Rusty AllenTitle Production ClerkDate Oct. 3, 1994

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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 MANAGEMENTFORM 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. Lora
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

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.)*

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 Kline 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

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud & conductor

- ☐ 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.)*

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.

AUG 12 11 12 AM '93
CARI AREA

RECEIVED

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

Signed Kurt 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:

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTDrawer DD
Artesia, NM 88210Budget 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

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

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- 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

Title Production ClerkDate 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 MANAGEMENTNM OIL & GAS COMMISSION
Drawer DD
Artesia, NM 88210FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

d6

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

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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

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TYPE OF ACTION

- ☐
- Abandonment
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- ☐
- 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
-
- ☐
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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. Nippled up and tested to 1500# for 30 minutes, OK. Reduced hole to 7-7/8". Resumed drilling.

ACCEPTED FOR RECORD

J. Lora
OCT 12 1993

CARLSBAD, NEW MEXICO

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

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

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

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3. Address and Telephone No.

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

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Choque AMX Federal #1

9. API Well No.

30-015-27521

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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

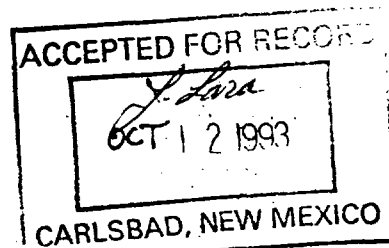
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Production casing & cmt
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(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.)*

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.



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

Signed

Title Production ClerkDate Sept. 16, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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*See Instruction on Reverse Side

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

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

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

3900'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3423 GR

22. APPROX. DATE WORK WILL START*

ASAP

23. 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 8m on site check KB

IO-1
7-9-93
VLA/AF

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

TITLE Landman

DATE 5/7/93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Don Dunton

AREA MANAGER

JUL 1 - 1993

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

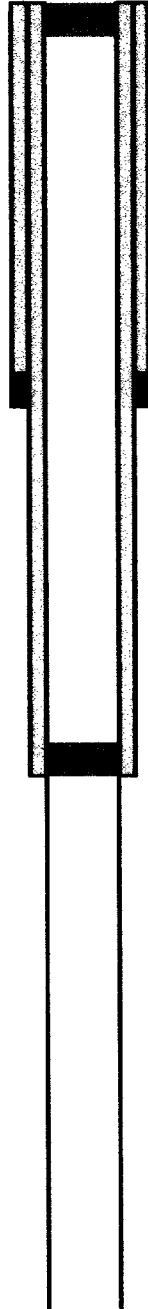
Addisson, A.W.
Brainard #1
Section 5, T-18-S, R-27-E

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

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



*Cmt Plug Surface 5 sx

*Cmt Plug 1036' 5 sx

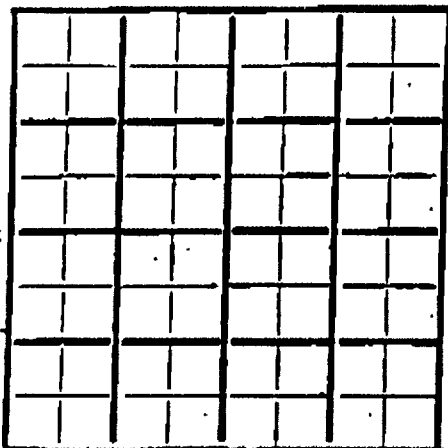
Plugs are assumed, not reported

TD: 2,002

SCOUT REPORT

NEW MEXICO

OIL CONSERVATION COMMISSION



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

Amount Casing and Cementing Record

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

Tubing Record

Packer

ACID RECORD

Gals.

Top Pay

TD

TA

TX

BX

TRS

TY

TBL

TWT

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

S/

S/

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	# 1042 L
8-16	"		# 1238 S
8-23	"		9/0 1238
8-30	"	12-20	Tstg pmps. S.D. 1242
9-7	"	12-28	1250 L tstg - pmpd 5 BO &
9-12	"		IB But wtr may deepen
9-19			S.D.O.
9-28		1-4-39	
10-4		1-10	
10-11	# 240 Gal	1-17	
10-18	No report	1-24	# 1254 L
10-26	T.D. 625 RB	1-31	# 1365 L
	S.D. Orders	2-7	T.D. 1320 L
11-1			S.D. Orders
11-8		2-14	# 1366 A & L
11-16	T.D. 922 R & G	2-21	# 1400 L
	8" @ 906	2-28	# 1438 A & L
	Prep to Underream		

petroROM Well Report
 Copyright 1995 by Petroleum Information Corporation
 ----- General Information -----

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

Producing Formation:

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

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

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

Latitude & Longitude Source: USGS

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

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

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

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

Test	Amount	Unit	Desc	Pipe Recovery		
				Amount	Unit	Desc
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-12-1957 11:02 FROM BUREAU OF LAND MANAGEMENT TO

85-7469272 P.02

Worked Example 10-10

U. S. Land Office LAKE GEORGE

Serial Number: 056442 (C)

• LIAISON OR PREFERRED TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Albert F. Addison Address Fort Worth, Texas

Lessor or Trust _____ Field Alamogordo State New Mexico

Well No. 1 Sec. 5 T. 18S R. 7E Meridian N.M.P. County Blair

Location 330 ft. SE of 1450 ft. E of 3400 Elevation 3400

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

Signed Malvin Farrington

Date June 24, 1939 Time After

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

Commenced drilling Sept 30, 1932 Finished drilling April 27, 1933

OIL OR GAS SANDS OR ZONES

(Demote per by G)

No. 1, from 1242 ft to 1244 ft O+W No. 4, from _____ to _____

No. 2, from _____ to _____ No. 8, from _____ to _____

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

[illegible]

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

CASING RECORD

No.	Weight	Through	Name	Address	Kind of ship	Cost paid	Particulars		Purpose
							From	To	
10	40	8	65	1000	1000	1000	1000	1000	1000
MILWAUKEE OF ON ON CV2 WEST									

MUDDING AND CEMENTING RECORD

Log number	Where at	Number made of cement	Method used	Used mostly	Amount of spoil used
10	825	None	plug system		2 tons of clay
9	1036	None	plug system		2 tons clay 1,000 or so equal

PLICE AND ADAPTION

Heaving plug—Material _____ Length _____ Depth est _____

POLE MARK

JUL-11-1997 11:09 FROM BUREAU OF LAND MANAGEMENT TO 85457469072 P.21

New Mexico

L. W. Adkinson, Operator

Bradford 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-7E-S, T-12-S

Elev. 3477'

0
 20 Lime
 23 Shale
 66 Lime
 90 Red Shale
 100 Lime & Anhy, water
 129 Lime & gyp. HFV
 176 Anhy. & gyp
 183 Blue shale
 213 gyp
 299 Lime & anhydrite
 301 anhy. & gyp
 315 Lime & anhydrite
 318 shale & anhydrite
 325 Lime, hard
 346 gyp
 395 anhy., hard
 430 gyp & anhy.
 435 Lime & red bed
 460 anhydrite
 538 red shale & anhy
 550 anhydrite
 588 red shale & anhy.
 600 gyp & anhydrite
 612 gyp & red shale
 625 gyp & anhydrite
 (625' 10" casing)
 630 blue shale
 713 gyp, broken
 725 blue sandy shale
 755 sandy shale & gyp
 812 red shale & gyp
 819 red shale
 878 red shale & gyp
 905 anhydrite
 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
 1055 sandy lime
 1062 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
 1230 Lime, water
 1302 hard Lime
 1308 Lime, red rock
 1315 sandy Lime
 1323 Lime-anhy.
 1335 sandy Lime
 1340 Lime-anhydrite
 1374 Lime-anhydrite
 1425 Lime
 1432 Lime-anhy.
 1437 Lime-anhydrite
 1445 blue Lime
 1450 crystallite Lime
 1471 Lime
 1477 Lime anhydrite
 1502 gray Lime
 1577 gray lime-little anhy. in last ft.
 1581 Lime-anhy.
 1541 Lime
 1546 Lime-anhy.
 1560 Lime-small amount of gas
 1613 mixed Lime
 1625 Lime
 1635 Lime (very hard)
 1712 Lime
 1720 sandy Lime
 1728 Lime-hard
 1807 Lime
 (At 1880 baled hole 35 inches oil & water)
 1946 Lime (April 25, 1939 drilling ahead)
 1959 Lime
 1972 sandy Lime
 1983 Lime
 2002 Lime R.O. - dry

T. D. 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 aqueduct

JUL-11-1997 11:10 FR BUREAU OF LAND MANAGEMENT TO REC-57469072 P.02

301 anhy. & gyp
 315 lime & anhydrite
 318 shale & anhydrite
 325 lime, hard
 348 gyp
 395 anhy., hard
 430 gyp & anhy.
 455 lime & red bed
 482 anhydrite
 535 red shale & anhy
 559 anhydrite
 582 red shale & anhy.
 600 gyp & anhydrite
 612 gyp & red shale
 625 gyp & anhydrite
 (625' 10" casing)
 630 blue shale
 715 gyp, broken
 725 blue sandy shale
 785 sandy shale & gyp
 818 red shale & gyp
 819 red shale
 878 red shale & gyp
 908 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
 1058 sandy lime
 1082 lime
 1100 red rock & lime
 1107 lime & anhydrite
 1125 lime
 1135 sandy lime
 1142 sand
 1147 sand & gyp
 1159 sandy lime & gyp
 1175 lime & red rock
 1188 lime
 1204 lime & red rock
 1225 lime, hard
 1227 sandy lime
 1237 lime, hard
 1238 sand, some oil & water
 1240 lime shell
 1242 sand, little oil above
 1244 lime
 (1242 to 1242 bailed water)
 1246 sandy lime
 1248 lime
 1250 sandy lime
 1255 sandy lime
 1260 lime, hard
 1264 sandy lime
 1267 sand
 1268 lime sand

1437 lime-anhydrite
 1445 blue lime
 1450 crystallite lime
 1471 lime
 1477 lime anhydrite
 1502 gray lime
 1577 gray 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
 1780 sandy lime
 1788 lime-hard
 1897 lime
 (At 1880 bailed hole 35 inches oil & water)
 1948 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 aquagel

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Cons. 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 perfs, 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 perfs 1191-1365' w/100 sxs cl "C" cmt, followed by 50 sxs cl "C". WOC. Drld cmt' f/1160-1375'. Tstd perfs 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 perfs 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

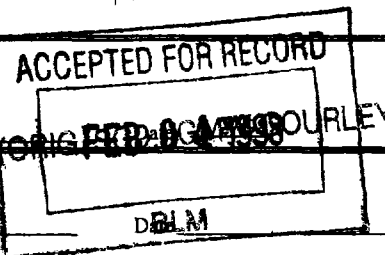
14. I hereby certify that the foregoing is true and correct

Signed Diana Keys Title Engineering Technician

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Otherb 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 SPUDDED

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

N/A

23. HOW MANY

24. INTERVALS

25. ROTARY TOOLS

X

26. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

1599-2025' San Andres

25. WAS DIRECTIONAL SURVEY

MADE

NO

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

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.* PRODUCTION

DATE FIRST PRODUCTION 10/30/95 PRODUCTIONS METHOD (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 Svcs

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.

E. L. BUTTROSS, JR.
TITLE DISTRICT ENGINEER

DATED December 20, 1995

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
3113 1st
Alameda NM 88210-2834

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

OK

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

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 Acidize
☐ 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.)*

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 $\pm 2100'$. 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 @ $\pm 1520'$. Acidize San Andres perfs @ 1599'- 2025' w/7000 gals 15% NE-FE acid in seven stages using $\pm 5,000\#$ 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 @ $\pm 1,525'$, NU wellhead, RU pump truck & displace hole w/ fresh wtr containing corrosion inhibitor. Set pkr @ $\pm 1525'$ w/ $\pm 5,000\#$ 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

Marie Ozment

Title Engineering Technician

Date February 24, 1998

(This space for Federal or State office use)

ORIG. SGD. DAVID R. GLASS

PETROLEUM ENGINEER

Approved by

Title

Date MAR 03 1998

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

311 S. 1st

Albuquerque, NM 87102-2834

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

C/SF

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

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3. Address and Telephone No.

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

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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

RECEIVED
OCD-ARTESIA

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
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☐ Altering Casing
☐ Other

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

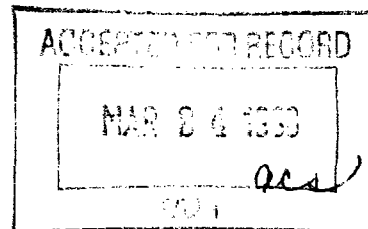
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 IP-2
4-3-98
conv to WEL



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

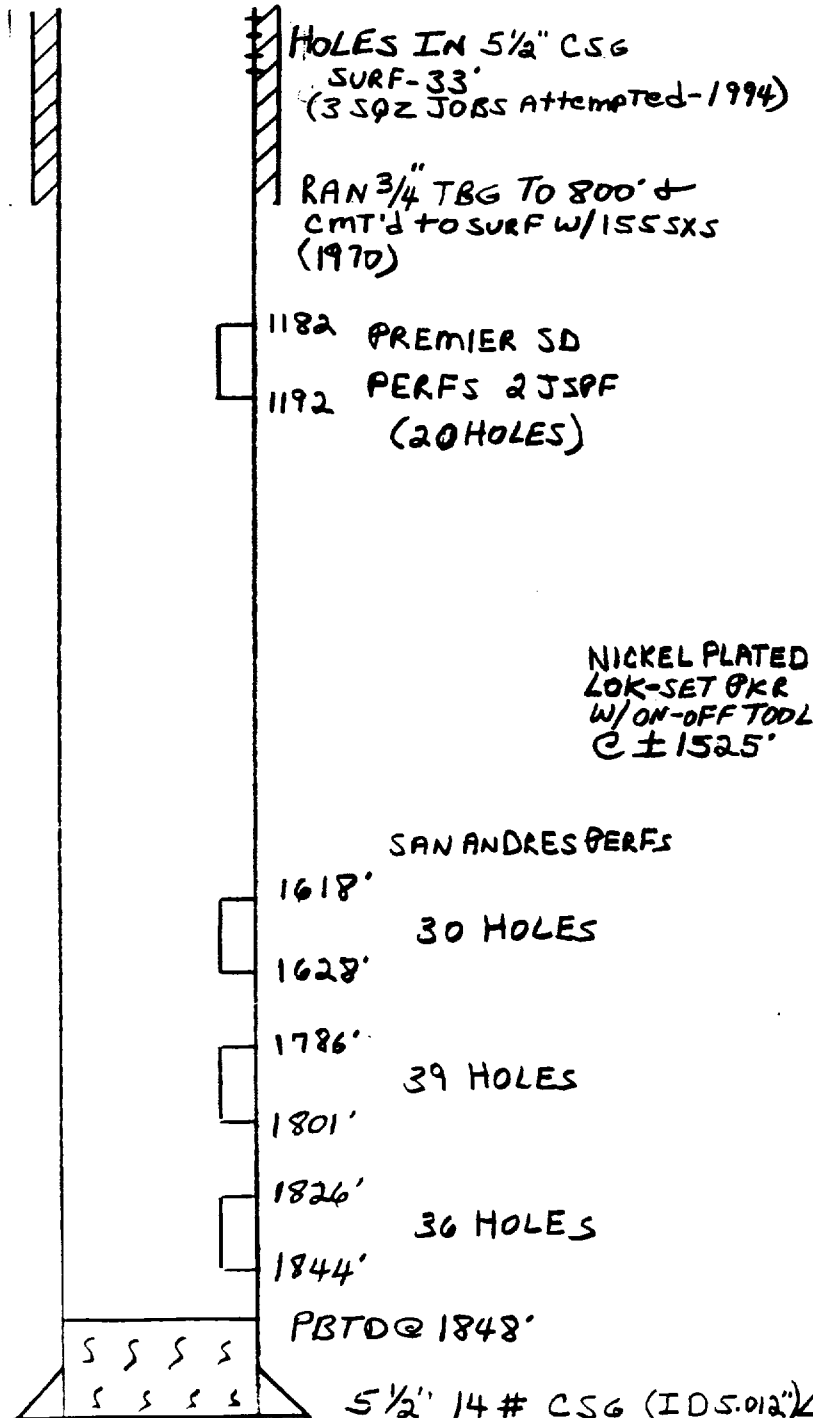
Date

Conditions of approval, if any:

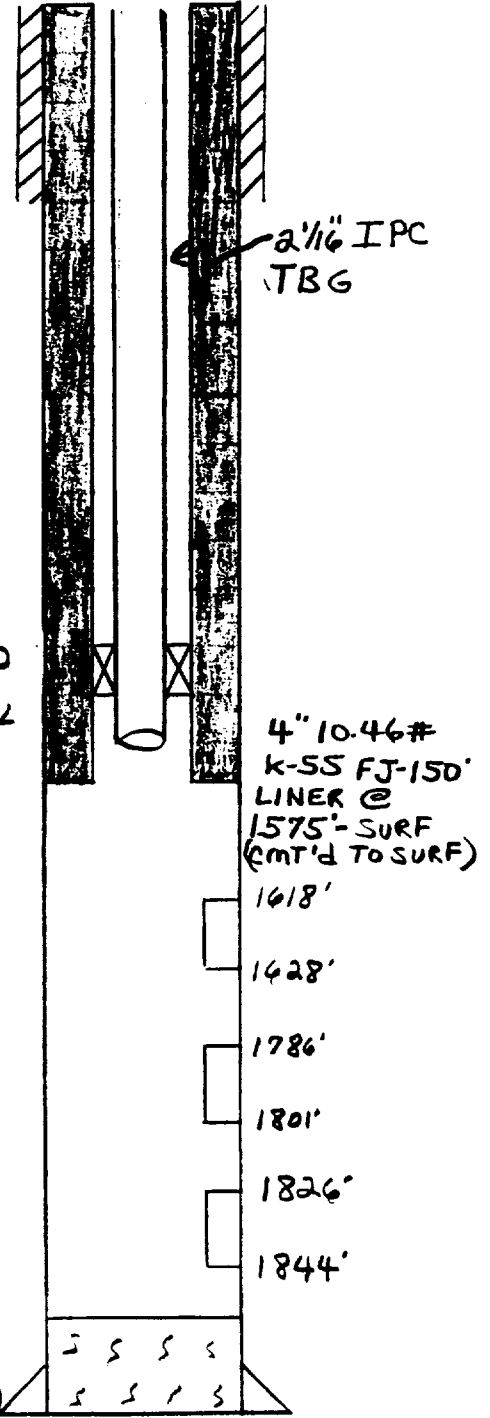
SUBJECT: WELLBORE SCHEMATIC
WEST RED LAKE UNIT #17
990' FSL & 330' FWL, Sec. 5, T18S, R27E

DATE 2/10/95 BY ELB

PRESENT



PROPOSED



5 1/2" 14# CSG (ID 5.012")
 SET @ 1856'
 CMT'd W/ 200 SX5
 TOC @ 968' (CALC.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM 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 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>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

(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)*

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 PBTD 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.

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

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

LINDA DIEPENBROCK
ENGINEERING TECHNICIAN

Date 4/3/95

Approved by _____
Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

J. Lora
4 1995

Date

RECEIVED
APR 10 11 42 AM '95
DIST. 2

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. CaCO_3 Saturation Index 0.00 F. 10.057 - Calcium Carbonate
 @ 140 F. +1.157

Dissolved Gases

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L EQ. WT. *MEQ/L

Not Determined

Cations

7. Calcium (Ca^{++}) 2,180 / 20.1 = 108.48
8. Magnesium (Mg^{++}) 784 / 12.2 = 64.26
9. Sodium (Na^+) (Calculated) 74,686 / 23.0 = 3,242.87
10. Barium (Ba^{++}) Not Determined

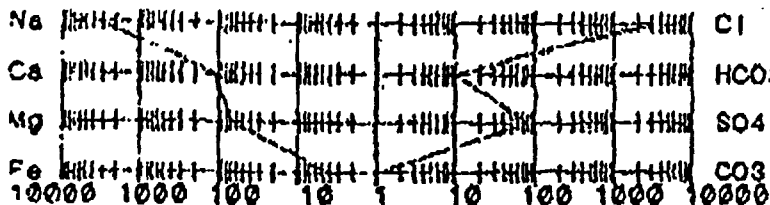
Anions

11. Hydroxyl (OH^-) 0 / 17.0 = 0.00
12. Carbonate (CO_3^{--}) 0 / 30.0 = 0.00
13. Bicarbonate (HCO_3^-) 588 / 61.1 = 9.62
14. Sulfate (SO_4^{--}) 3,000 / 48.8 = 61.48
15. Chloride (Cl^-) 117,073 / 35.5 = 3,297.83

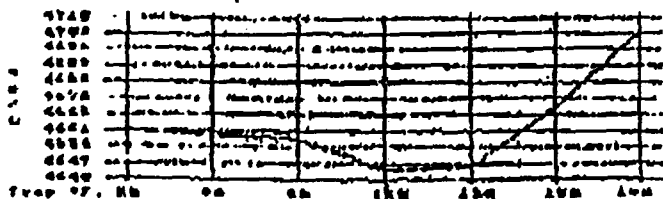
16. Total Dissolved Solids 200,010
17. Total Iron (Fe) 89 / 16.2 = 5.49
18. Total Hardness as CaCO_3 8,712
19. Resistivity @ 75 F. (Calculated) 0.001 / cm.

LOGARITHMIC WATER PATTERN

*mg/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND EQ. WT. X *mg/L = mg/L.

Ca	$\text{Ca}(\text{HCO}_3)_2$	81.04	9.68	777
Ca	CaSO_4	68.07	78.92	5,440
Mg	CaCl_2	55.50	18.95	1,052
CO3	$\text{Mg}(\text{HCO}_3)_2$	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	3,239.15	188,361

*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 H_2S , CO_2 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 CaCO ₃	 14014	 280.0	 12513

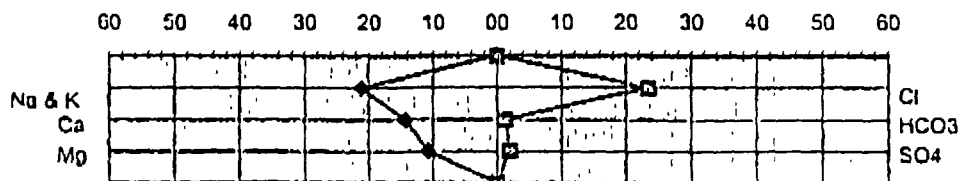
COMMENTS:

Rw= 0.0847@61.1 deg.

SCALE ANALYSIS:

CaCO ₃ Factor	2817907 Calcium Carbonate Scale Probability->	Probable
CaSO ₄ 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		

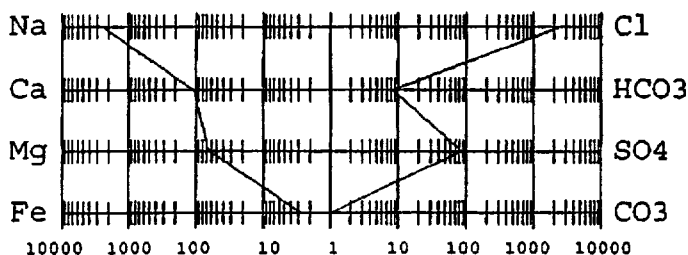
Cations

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

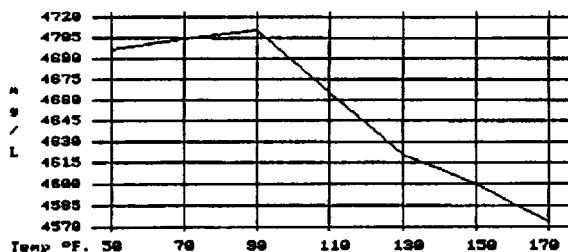
Anions

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.



Calcium Sulfate Solubility Profile



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

*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

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) <i>Petroleum Corp.</i>		
Street, Apt. No., or PO Box No. <i>3811 Turtle Creek #350</i>		
City, State, ZIP+4 <i>Dallas, TX 75219</i>		
PS Form 3800, February 2000 See Reverse for Instructions		

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

Postage	\$ 2.18
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

6955 2962 0200 0250
6955 2962 0200 0250



TO THE RIGHT OF RETURN ADDRESS
FOLD AT DOTTED LINE
CERTIFIED MAIL



7000 0520 0020 7967 5590
7000 0520 0020 7967 5590

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) <i>Yates Petroleum</i>		
Street, Apt. No., or PO Box No. <i>105 S. 4th</i>		
City, State, ZIP+4 <i>Artesia, NM 88210</i>		
PS Form 3800, February 2000 See Reverse for Instructions		

CERTIFIED MAIL
TO THE RIGHT OF RETURN ADDRESS
FOLD AT DOTTED LINE
PLACE STICKER AT TOP OF ENVELOPE
PLACE STICKER AT TOP OF ENVELOPE
TO THE RIGHT OF RETURN ADDRESS.
FOLD AT DOTTED LINE
CERTIFIED MAIL



7000 0520 0020 7967 5613
7000 0520 0020 7967 5613

TO THE RIGHT OF RETURN ADDRESS
FOLD AT DOTTED LINE
CERTIFIED MAIL



7000 0520 0020 7967 5583
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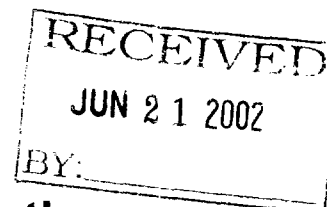
Postage	\$ 2.18	Postmark Here
Certified Fee	2.10	
Return Receipt Fee (Endorsement Required)	1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	
Recipient's Name (Please Print Clearly) (To be completed by mailer) <i>Gruy Petroleum</i>		
Street, Apt. No., or PO Box No. <i>814 W. Marland</i>		
City, State, ZIP+4 <i>Hobbs, NM 88240</i>		
PS Form 3800, February 2000 See Reverse for Instructions		

PS Form 3800, February 2000 See Reverse for Instructions

City, State, ZIP+4
*20 N. Broadway STE 1500
Oklahoma City, OK 73102*

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

Postmark
Here



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 Boans

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 601, 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