

11-8-04 DATE IN	11-23-04 SUSPENSE	JONES ENGINEER	SW LOGGED BY	SWD TYPE
--------------------	----------------------	-------------------	-----------------	-------------

RECEIVED

11-9-04

ABOVE THIS LINE FOR DIVISION USE ONLY

NOV 08 2004

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -

PSEM 043145148

OIL CONSERVATION  
DIVISION

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

Done & signed  
11/2/04

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

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

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

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

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

Kay Maddox  
Print or Type Name

*Kay Maddox*

Regulatory Agent  
Title

11/2/2004  
Date

SDX Resources, Inc.  
PO Box 5061  
Midland, TX 79704

November 2, 2004

New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St Francis  
Santa Fe, New Mexico 87505

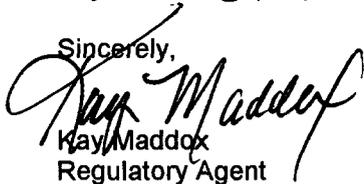
Re: Application for Salt water Disposal  
Eddy County, NM

Dear Sir:

SDX Resources would like to amend Administrative Order SWD-677-B or to make application for a new permit for the Chalk Bluff #1. Administrative Order SWD-677-B (copy attached) was issued July 25, 2002 giving the operator one year to convert the well to a disposal well, the operator asked for a year extension in July 2003 and it was granted. The operator still did not get the work done to convert this well therefore the permit was put in abeyance July 2004.

The application has been re-worked to make sure there has been no additional drilling activity in the area. The offset operators have been re-notified and the Legal notice re-published. If Administrative Order SWD -677-B cannot be "resurrected" then please consider this as a new application. If you have any questions please call Chuck Morgan @ (432)685-1761 or myself, Kay Maddox @ (432) 638-8475. Thank you.

Sincerely,

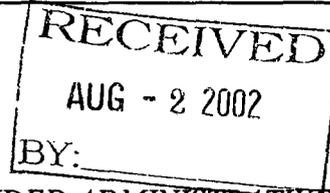


Kay Maddox  
Regulatory Agent



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
Governor  
BETTY RIVERA  
Cabinet Secretary



Lori Wrotenbery  
Director  
Oil Conservation Division

AMENDED ADMINISTRATIVE ORDER SWD-677-B

## ***APPLICATION OF SDX RESOURCES, INC. FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.***

### **ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), SDX Resources, Inc. made application to the New Mexico Oil Conservation Division on June 27, 2002, for permission to amend Division Order SWD-677 by **changing the injection interval** in its Chalk Bluff Draw Well No. 1 (API No. 30-015-00789) located 2055 feet from the South line and 1980 feet from the West line (Unit K) of Section 5, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico.

#### **THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

#### **IT IS THEREFORE ORDERED THAT:**

SDX Resources, Inc. is hereby authorized to **abandon the existing Pennsylvanian injection interval from 7940 to 8300 feet and re-complete** its Chalk Bluff Federal Well No. 1 (API No. 30-015-00789) located 2055 feet from the South line and 1980 feet from the West line (Unit K) of Section 5, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of produced water for **disposal purposes into the San Andres, Glorieta, and Yeso formations from a depth of 1570 feet to 3155 feet through 2 7/8 inch plastic-lined tubing set in a packer located at approximately 1550 feet.**

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

**Prior to perforating the new injection interval, the well bore shall be plugged back in a manner approved by the Artesia office of the Division. The Artesia office shall be notified and have the opportunity to witness this plug back.**

The casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to **no more than 314 psi**.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the injection formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia District Office of the Division of the date and time of the installation of disposal equipment and of any mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia District Office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

*Administrative Order SWD-677-B*

*SDX Resources, Inc.*

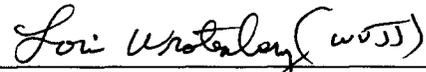
*July 25, 2002*

*Page 3*

---

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this **25th day of July 2002.**

 (w55)

---

LORI WROTENBERY, Director

LW/WVJ

cc: Oil Conservation Division – Artesia  
Bureau of Land Management – Santa Fe

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: 499 (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: 11/2/2004
- \* 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.

## 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
- (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

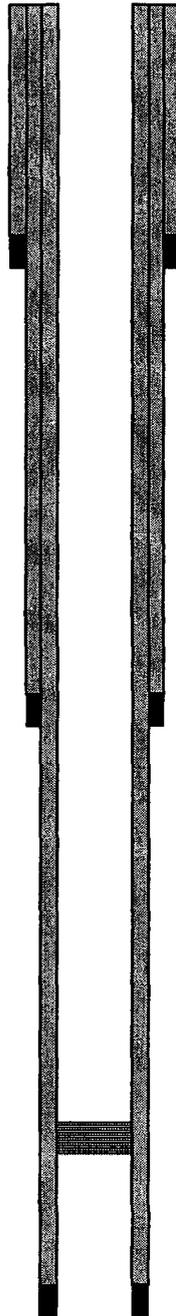
API Number: 30-015-00789

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'

*4800 = TOP of AD*

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

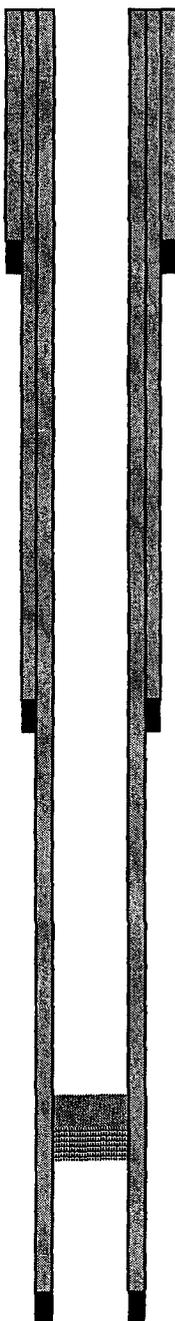
API Number: 30-015-00789

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

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

*DV Top @ 7  
Cmt circ below ABOVE*  
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'

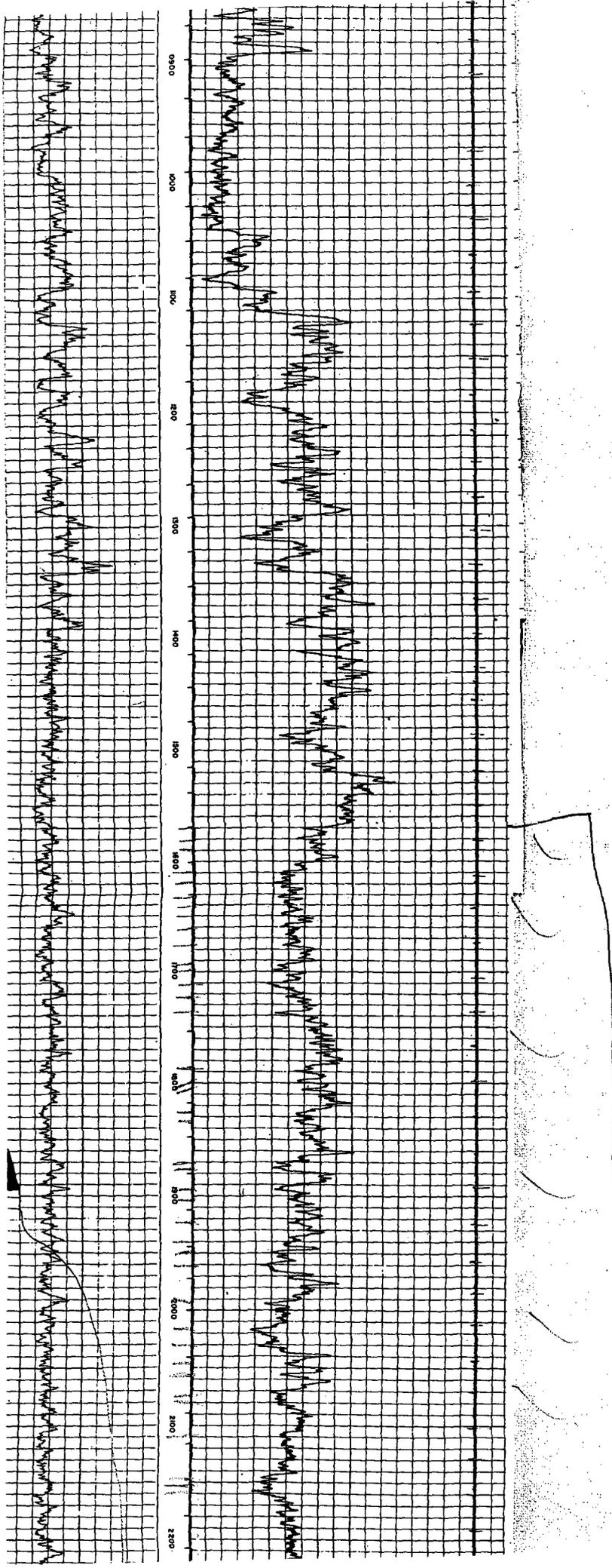
Perforations: 1570-3155'

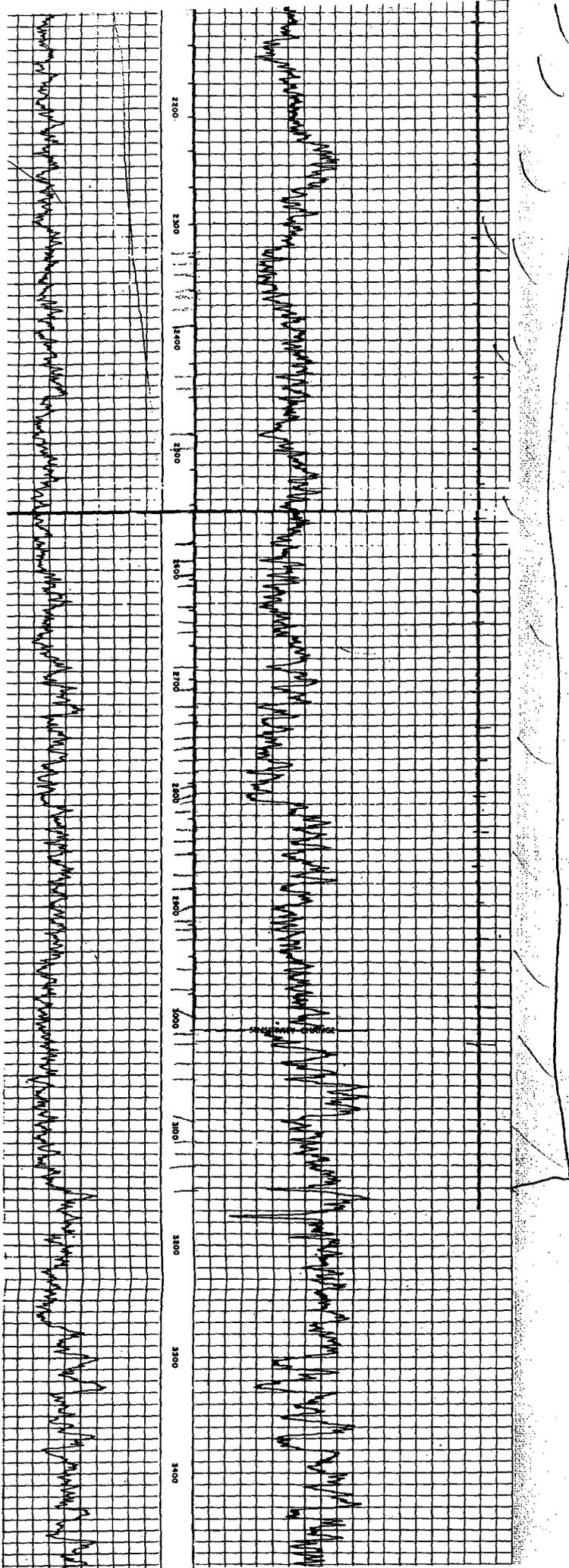
Yeso 2900'

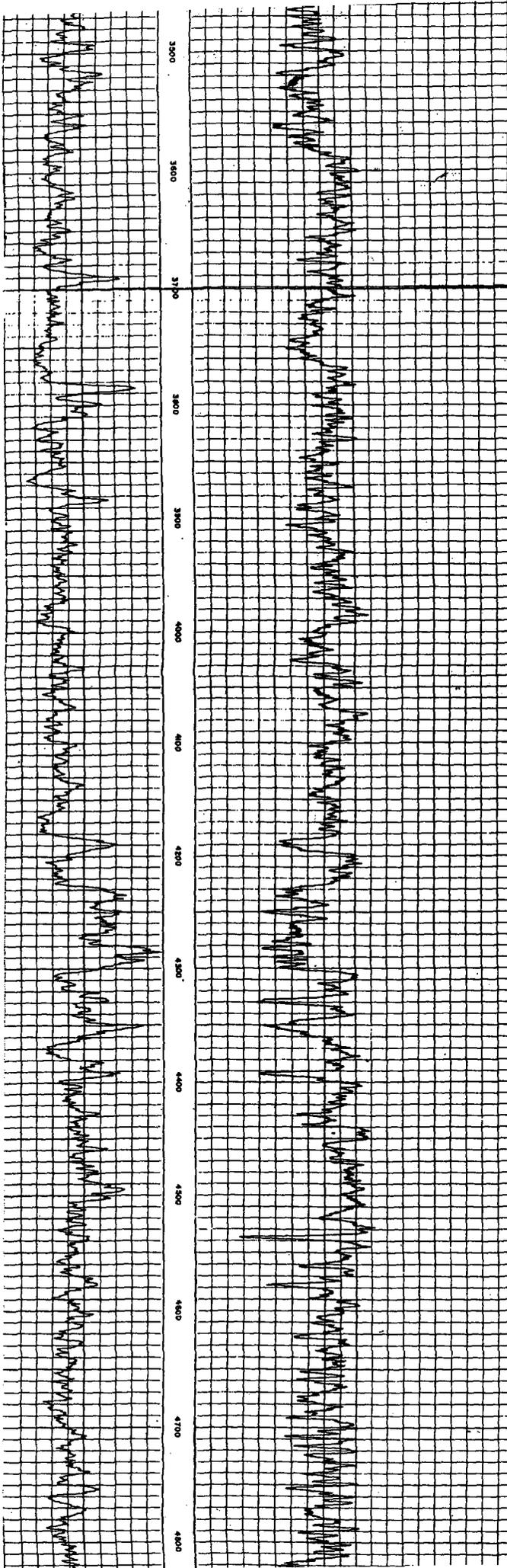
Clearfork 3850'

CIBP set @ 7800'







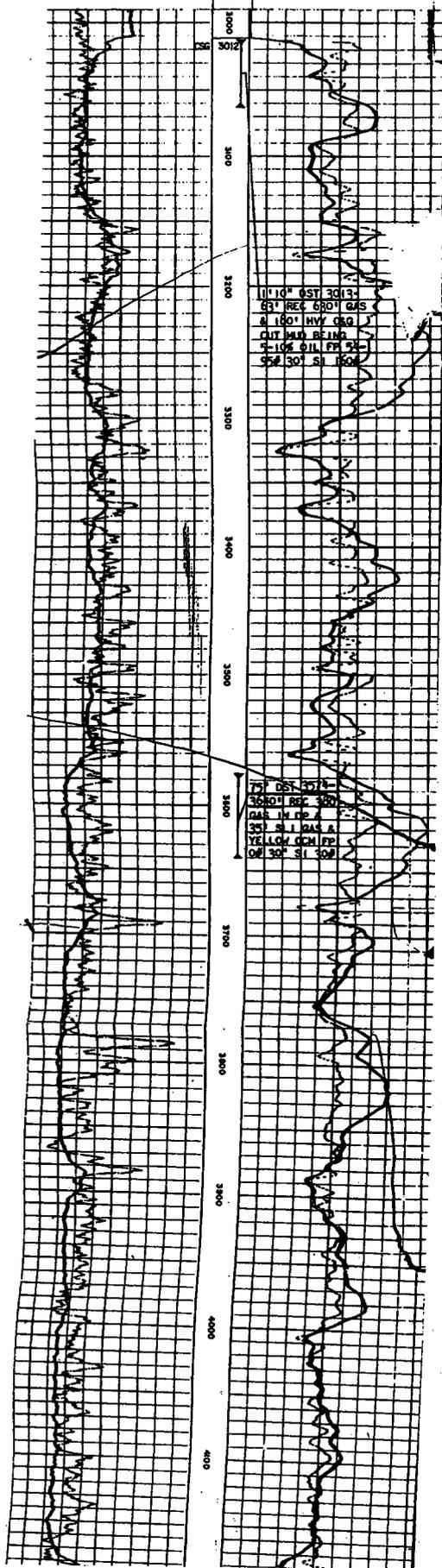




- 70 +

0 10" Normal 2000  
0 2600  
0 32" Lateral 140

**GAMMA RAY**  
3.5  
Micrograms Radium Equivalent  
per Ton of Formation





006-22-2002  
2-15-99  
76-2003

Trigg Family Tr.  
N.L.P.  
064060

Murchison  
Potter Fed.  
Over.  
109270519  
10 2514

Am. Trad. SP6  
3-1-84 20352  
13 2182  
Trigg Family Tr.  
062050

Murchison, et al  
26874  
Nearburg  
Trigg-Fed.

(NW Pat.)  
25527  
Murchison, et al  
Willis Fed.  
HBC E/2

Yates Pet. et al  
8-3-2008  
J.S. Mills

ABO CHALK BLUFF UNIT  
EXXON U.S. (OPER)

Nearburg  
Berry Fed.

Yates  
7-1-88  
38274

Nearburg  
Exxon  
2-1-98  
WA-707  
10722

(Exxon) 7  
K(PETCO) Devon  
026874  
10

Yates Pet. et al  
16 00  
1600

Nearburg  
Chevron  
Humble  
Now Alex. St.  
709415

"Evarts"  
"33 Fed."  
Devon  
Eagle Fed.

Yates  
1-10-70  
026074

Exxon  
HBP  
8-6860

Amoco  
Hondo  
Exxon  
026874

Exxon  
HBP  
8-9391

Exxon  
HBP  
8-8814

Exco.  
etal  
11-1-81

Devon  
Eagle Fed.

Exxon  
HBP  
8-8814

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.

Devon  
026874

Exxon  
HBP  
8-9391

Amoco  
Devon  
Eagle Fed.



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 9 3/4"		
	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							
	<i>Devon Energy</i>							
22	Guy Petroleum	4/16/1996	2200	1536-1991	Injection	8 5/8" @ 1013'	500 sxs	surf
	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							
					<i>Well Never Drilled</i>			
					<i>Permit expired</i>			
						<i>11/22/2002</i>		
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							
	<i>Devon Energy</i>							
25	Guy 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							



# **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:

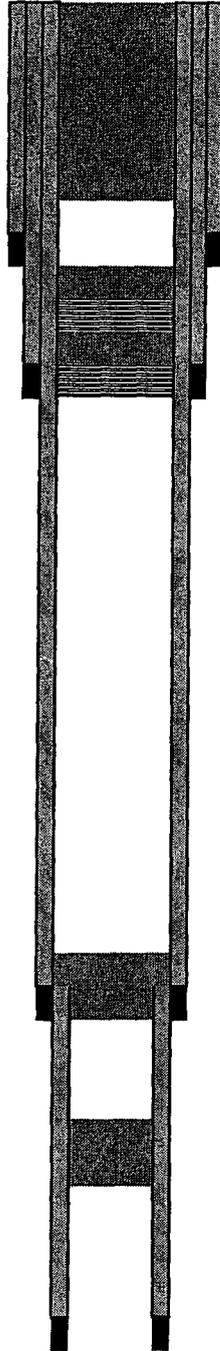
Cmt Plug 1332 20 sx

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

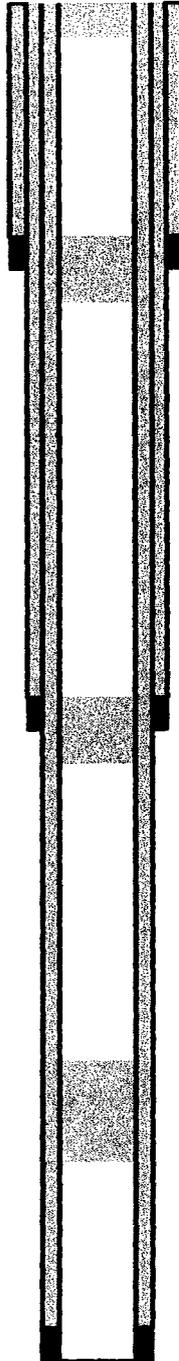
API Number: 30015 20049  
P&A: 6/23/87  
Datum: 3,469 DF

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

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

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

TD: 3,140'



Cmt plug 30' to surf

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

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

Perf 2774-2876

Cmt Plug 2907-2650 25 sx  
Perf 2938-2993

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (Other instructions on reverse side)

Form Approved Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [X] GAS WELL [ ] OTHER [ ] Drilling
2. NAME OF OPERATOR Humble Oil & Refining Company
3. ADDRESS OF OPERATOR P. O. Box 1600, Midland, Texas
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
1980' FNL & 660' FEL
10. PERMIT NO. --
15. ELEVATIONS (Show whether SF, WT, OR, etc.) 3,469 DF
12. COUNTY OR PARISH Eddy
18. STATE N. Mex.

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)
SUBSEQUENT REPORT OF: WATER SHUT-OFF, FRACTURE TREATMENT, SHOOTING OR ACIDIZING (Other)
REPAIRING WELL, ALTERING CASING, ABANDONMENT [X]

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 660 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 50' to surface. Installed dry hole marker. Well plugged and abandoned on 6-23-67. Will notify your office when location is clean and ready for final inspection.

RECEIVED

DEC 13 1967

U. S. G. ARTESIA OFFICE

REC'D JUN 30 1967 ARTESIA OFFICE

18. I hereby certify that the foregoing is true and correct
SIGNED R. L. Beekma TITLE Agent DATE 6-27-67

APPROVED BY R. L. BEEKMA TITLE DATE DEC 12 1967

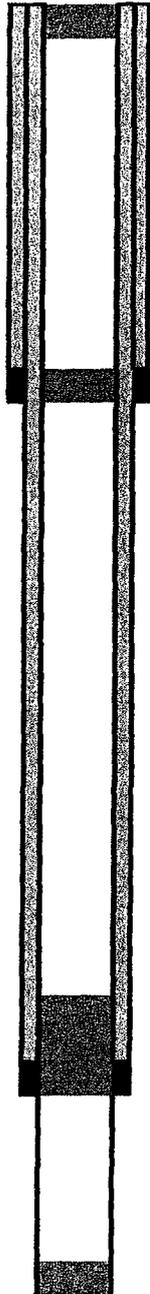
\*See Instructions on Reverse Side

**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**

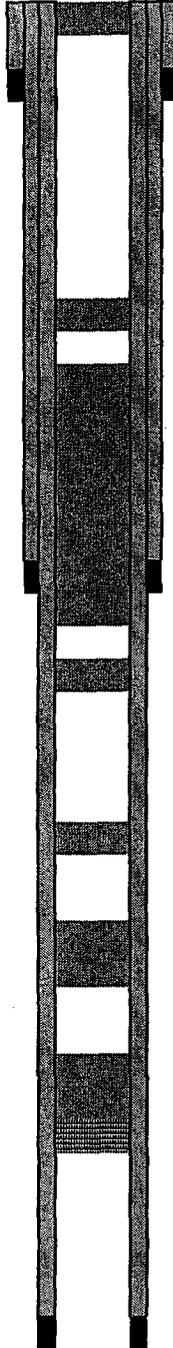
API Number: 30015 28933  
P&A: 8/15/1995  
Datum: 3423' GL

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'

NM OIL CO  
Drawer DD  
Artesia, NM

Expires: March 31, 1993  
Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

88230

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

SUBMIT IN TRIPLICATE

OCT 05 2000

BY: \_\_\_\_\_

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

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 [Signature] Title Production Clerk Date August 16, 1995

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

Conditions of approval, if any:

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

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

JUL 17 1995

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

Budget Bureau No. 1004-9135  
Artesia, NM 88210  
March 31, 1993

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

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

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to plug and abandon well as follows:

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

RECEIVED  
JUN 13 10 31 AM '95  
CARLSBAD AREA OFFICE

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

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

Signed Rusty Stein Title Production Clerk Date June 12, 1995

(This space for Federal or State office use)

Approved by (ORIG. SIGN.) JOE G. LARA Title PETROLEUM ENGINEER Date 7/13/95

Conditions of approval, if any: See attached.

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

\*See Instruction on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

EXPIRES August 31, 1985  
NM-88210  
NM-71762

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  MAY 30 10 40 AM '95

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

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

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

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

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

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

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

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

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

29. LINER RECORD

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

30. TUBING RECORD

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

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

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

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

33. PRODUCTION

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

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

35. LIST OF ATTACHMENTS: Deviation survey and logs

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

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

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

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

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

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

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

5. Well Registration and Serial No.  
 NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

9. API Well No.  
 30-015-27521

10. Field and Pool, or Exploratory Area  
 Yeso Wildcat

11. County or Parish, State  
 Eddy County, NM

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

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#. Pressure up to 800# then fell to 150#. Pressured up to 900#. Stung out of retainer. Reversed out. No show of communication between San Andres and Premier.

9-29-94 - POOH with retainer and 2-7/8" tubing. Ran back in hole with seating nipple and 2-7/8" tubing. Ran pump and rods. Spaced out stroke. Released to production.

OCT 20 1994

RECEIVED  
 OCT 6 10 56 AM '94  
 CARL AREA

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

Signed Rusty Allen Title Production Clerk Date Oct. 3, 1994

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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

\*See Instruction on Reverse Side

RECEIVED  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED  
OCT 18 1993  
A.L.D.

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Perfs & acid
	<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.)\*

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 \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

ACCEPTED FOR RECORD

J. Lara  
OCT 12 1993

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

\*See Instruction on Reverse Side

CARLSBAD, NEW MEXICO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

RECEIVED  
OCT 18 1993

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 Allen

Title Production Clerk

Date Sept. 16, 1993

(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

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

1. Type of Well  
 Oil Well  Gas Well  Other

SEP - 1 1993

2. Name of Operator  
YATES PETROLEUM CORPORATION

C.R.O.  
(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.

RECEIVED  
AUG 12 11 12 AM '93  
CARTER AREA

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

Signed Ruste Klein Title Production Clerk Date August 10, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

J. Ford  
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

(June 1990)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Drawer DD  
Artesia, NM 88210

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

OCT 05 '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

5. Lease Designation and Serial No.  
 NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

9. API Well No.  
 30-015-27521

10. Field and Pool, or Exploratory Area  
 Yeso Wildcat

11. County or Parish, State  
 Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Perfs & acid
	<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.)\*

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.

*AS*

RECEIVED  
OCT 11 1994

I hereby certify that the foregoing is true and correct

Signed *Rusty Klein* Title Production Clerk Date Aug. 24, 1994

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

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

\*See Instruction on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NM OIL COMMISSION Drawer DD Artesia, NM 88210

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

[X] 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 [X] Subsequent Report [ ] Final Abandonment Notice

TYPE OF ACTION

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

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

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

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

I hereby certify that the foregoing is true and correct

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

(This space for Federal or State office use)

Approved by Conditions of approval, if any: Title Date

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 representations as to any matter within its jurisdiction.

Form 1000-3  
(June 1990)

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Drawn by  
Artesia, NM

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

AREA

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

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

5. Lease Designation and Serial No.  
**NM-71762**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

9. API Well No.  
**30-015-27521**

10. Field and Pool, or Exploratory Area  
**Yeso Wildcat**

11. County or Parish, State  
**Eddy County, NM**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Production casing &amp; cmt</b>
	<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.)\*

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

Waiting on completion unit.

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

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 \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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 presentations as to any matter within its jurisdiction.

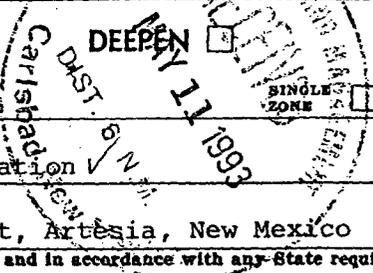
\*See Instruction on Reverse Side

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)  
 16. NO. OF ACRES IN LEASE  
 17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40  
 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 19. PROPOSED DEPTH  
 3900'  
 20. ROTARY OR CABLE TOOLS  
 Rotary  
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3423 GR  
 22. APPROX. DATE WORK WILL START\*  
 ASAP

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-71762  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Choque AMX Fed  
 9. WELL NO.  
 #1  
 10. FIELD AND POOL, OR WILDCAT  
 Yeso Wildcat  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 0  
 Sec. 5-T18S-R27E  
 12. COUNTY OR PARISH  
 Eddy  
 13. STATE  
 NM



JUL 2 1993  
C.I.D.

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 H<sub>2</sub>S is expected

Moved loc. to 660' from 320' per Bem on site check RD

IO-1  
7-9-93  
MLOAPI

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

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

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Zon Dunton AREA MANAGER JUL 1 - 1993  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
 GENERAL REQUIREMENTS AND  
 SPECIAL STIPULATIONS  
 ATTACHED

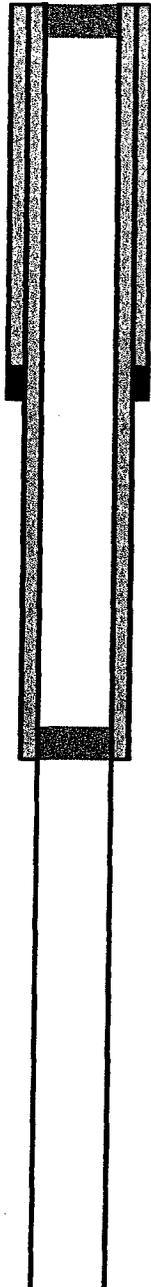
\*See Instructions On Reverse Side

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

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

Depth      Cmt Vol

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



\*Cmt Plug      Surface      5 sx

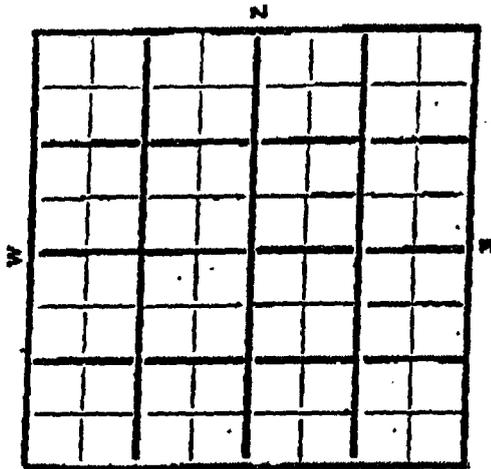
Casing Size: 8 1/4"  
 Depth: 1036'  
 Sx cmt 2 tons clay  
 & 1000#  
 aquagel

\*Cmt Plug      1036'      5 sx

Plugs are assumed, not reported

TD: 2,002

**SCOUT REPORT  
NEW MEXICO  
OIL CONSERVATION COMMISSION**



Company A. W. ~~Adkinson~~ Adkinson  
 Farm Name Braunard Well No. \_\_\_\_\_  
 Land Classification Government  
 Sec. 5 Twp. 18 Range 27 County Eddy  
 Feet from Line: N. 330 & 1650 E.  
 Elevation 3460 Method Gal  
 Contractor \_\_\_\_\_ Scout \_\_\_\_\_  
 Spudded 8-27-32 Completed \_\_\_\_\_ Initial Production \_\_\_\_\_  
 Bond Status \_\_\_\_\_

**Amount  
Casing and Cementing Record**

SIZE	FEET	INCHES	MAX CEMENT
10 3/4	625		Mud
8	1036		Set

**ACID RECORD**

Gal.	TA
	TX
	BX
	TRS
	TY
	TBL
	TWL
Top Pay	TD

**Tubing Record**

DATE	DESCRIPTION

Packer \_\_\_\_\_

**SHOOTING RECORD**

No. of Quarts	From	To

DATE	DESCRIPTION	DATE	DESCRIPTION
7-19-33	Location	11-29	T. D. 979 RB
7-26	"		S. D. Orders
8-2	"	11-29	S. D. Orders 979 RB
8-9	"	12-13	Ø 1042 L.
8-16	"		Ø 1238 S
8-23	"		Ø 1238
8-30	"	12-20	Instg pmps. S. D. 1242
9-7	"	12-28	1250 L. instg - rmpd 5 80 &
9-12	"		IB shut wtr may deepen
9-19	"		S. D. O.
9-26	"	1-4-39	
10-4	"	1-10	
10-11	Ø 240 Gal	1-17	
10-18	No report	1-24	Ø 1254 L.
10-25	T. D. 625 RB S. D. Orders	1-31	Ø 1355 L.
11-1	"	2-7	T. D. 1320 L.
11-8	"		S. D. Orders
11-15	T. D. 922 R & O Ø 906	2-14	Ø 1366 A & L.
	Prep to Underream	2-21	Ø 1400 L.
		2-28	Ø 1438 A & L.



petroROM Well Report  
 Copyright 1985 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	Init Lahee Class	: D
API Number	: 30015007770000	Final Lahee Class:	D
Section or Equiv	: SEC 5	Permit Number	:
Township	: S018	Elevation	: 00000 ( )
Range	: E027		
Spot	:		
Base Meridian	: NEW MEXICO (21)		
Geologic Province:	PERMIAN BASIN		
Formation at TD	:		
Oldest Age Pen	:		

Producing Formation:

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

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

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

Latitude & Longitude Source: USGS

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

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

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

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

Pipe Recovery

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

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

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

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

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

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

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

Date	Remarks



JUL-11-1997 11:09 FROM BUREAU OF LAND MANAGEMENT TO 85957469872 P.01

New Mexico  
 L. W. Adkinson, Operator  
 Bradford Lease

Well #1 / Hole  
 Location: Center of SE $\frac{1}{4}$   
 of SE $\frac{1}{4}$  of SE $\frac{1}{4}$  of Sec. 8  
 R-17-E, T-18-S

Stat. 3477'

- 0
- 20 Lime
- 25 Shale
- 36 Lime
- 90 Red Shale
- 100 lime & Anhy. water
- 139 lime & gyp. HFV
- 176 Anhy. & gyp
- 183 Blue shale
- 213 GYP
- 239 lime & anhydrite
- 301 anhy. & gyp
- 315 lime & anhydrite
- 318 shale & anhydrite
- 325 lime, hard
- 346 GYP
- 395 anhy., hard
- 430 gyp & anhy.
- 435 lime & red bed
- 463 anhydrite
- 533 red shale & anhy
- 539 anhydrite
- 582 red shale & anhy.
- 600 gyp & anhydrite
- 612 gyp & red shale
- 625 gyp & anhydrite  
 ( 425' 10" casing)
- 630 blue shale
- 713 gyp, broken
- 725 blue sandy shale
- 759 sandy shale & gyp
- 813 red shale & gyp
- 819 red shale
- 873 red shale & gyp
- 903 anhydrite
- 913 red sand (started underdigging 8")
- 922 red sandy shale & gyp
- 950 sand
- 962 red shale
- 971 lime, broken
- 994 red shale & sand
- 1027 lime
- 1031 sand & lime
- 1046 lime
- 1053 sandy lime
- 1062 lime
- 1082 lime
- 1100 red rock & lime
- 1107 lime & anhydrite
- 1123 lime
- 1133 sandy lime
- 1142 sand
- 1147 sand & gyp
- 1159 sandy lime & gyp
- 1173 lime & red rock
- 1198 lime
- 1204 lime & red rock
- 1230 lime, water
- 1302 hard lime
- 1308 lime, red rock
- 1315 sandy lime
- 1323 lime-anhy.
- 1333 sandy lime
- 1360 lime-anhydrite
- 1374 lime-anhydrite
- 1423 lime
- 1432 lime-anhy.
- 1437 lime-anhydrite
- 1443 blue lime
- 1450 crystallite lime
- 1471 lime
- 1477 lime anhydrite
- 1502 gray lime
- 1577 gray lime-little only. in last ft.
- 1521 lime-anhy.
- 1541 lime
- 1544 lime-anhy.
- 1540 lime-small amount of gas
- 1613 mixed lime
- 1636 lime
- 1639 lime (very hard)
- 1712 lime
- 1720 sandy lime
- 1723 lime-hard
- 1807 lime
- (At 1880 baled hole 55 inches oil & water)
- 1946 lime (April 25, 1939 drilling ahead)
- 1959 lime
- 1972 sandy lime
- 1983 lime
- 2002 lime R.D. - Dry

T. D. Irt

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

301 anhy. & gyp  
 315 lime & anhydrite  
 318 shale & anhydrite  
 325 lime, hard  
 346 gyp  
 395 anhy., hard  
 430 gyp & anhy.  
 435 lime & red bed  
 442 anhydrite  
 535 red shale & anhy  
 539 anhydrite  
 562 red shale & anhy.  
 600 gyp & anhydrite  
 612 gyp & red shale  
 625 gyp & anhydrite  
 ( 625' 10" casing)  
 630 blue shale  
 715 gyp, broken  
 725 lime sandy shale  
 735 sandy shale & gyp  
 812 red shale & gyp  
 819 red shale  
 872 red shale & gyp  
 902 anhydrite  
 912 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  
 1052 sandy lime  
~~1052-1053~~  
 1082 lime  
 1100 red rock & lime  
 1107 lime & anhydrite  
 1122 lime  
 1132 sandy lime  
 1142 sand  
 1149 sand & gyp  
 1159 sandy lime & gyp  
 1175 lime & red rock  
 1192 lime  
 1204 lime & red rock  
 1225 lime, hard  
 1227 sandy lime  
 1237 lime, hard  
 1239 sand, some of oil & water  
 1240 lime shell  
 1242 sand, lite all above  
 1244 lime  
 (1241 to 1242 bailed water)  
 1246 sandy lime  
 1248 lime  
 1250 sandy lime  
 1252 sandy lime  
 1260 lime, hard  
 1264 sandy lime  
 1267 sand  
 1268 lime sand

1437 lime-anhydrite  
 1445 blue lime  
 1450 crystalite lime  
 1471 lime  
 1477 lime anhydrite  
 1502 grey lime  
 1577 grey lime-little anhy. in last ft.  
 1521 lime-anhy.  
 1541 lime  
 1546 lime-anhy.  
 1560 lime-small amount of gas  
 1612 mixed lime  
 1655 lime  
 1659 lime (vary hard)  
 1712 lime  
 1720 sandy lime  
 1722 lime-hard  
 1897 lime  
 (At 1260 bailed hole 35 inches oil & water)  
 1942 lime (April 25, 1959 drilling ahead)  
 1959 lime  
 1972 sandy lime  
 1985 lime  
 2002 lime R.D. - Dry

T. D. Ort

Pipe: 8 1/2" set at 1015' 2"  
 8 1/2" underreamed 1032'  
 10" set at 625'  
 (put heavy mud back of pipe)  
 Also 1000' of aquagal

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

1251

**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

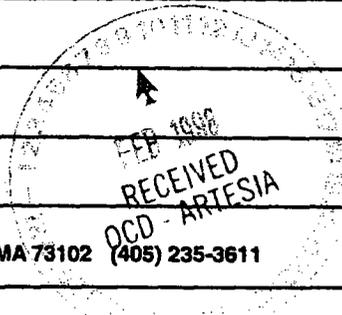
**SUBMIT IN TRIPLICATE**

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

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

Post JD-3  
3-6-98  
Prod ko  
WIW

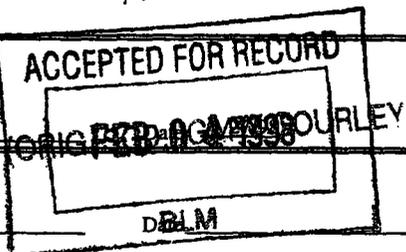
1716-1998

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

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

Diana Keys

Title Engineering Technician



Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

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

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED

(See other instructions on reverse side)

ALS

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

b TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP- IN  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, HOW MANY? N/A 23. INTERVALS PROD BY 24. ROTARY TOOLS X 25. 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 CORDED NO

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

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

29. LINER RECORD 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number)

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

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

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

33.\* DATE FIRST PRODUCTION 10/30/95 PRODUCTIONS METHOD 1 (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. 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  
311 S. 1st St  
Albuquerque, NM 87102-2834

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

OK 17

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well     Gas Well     Other -----

2. Name of Operator  
**DEVON ENERGY CORPORATION (NEVADA)**

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

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

5. Lease Designation and Serial No.  
**NM-7714**

6. If Indian, Allottee or Tribe Name  
**NA**

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

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

9. API Well No.  
**30-015-28444**

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

11. County or Parish, State  
**Eddy County, NM**

MAR 23 1990  
RECEIVED  
OCD - ARTESIA

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Per Administrative Order No. WFX-726

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

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

Signed Marie Ozment Title Engineering Technician Date February 23, 1990  
 (This space for Federal or State office use)  
 Approved by ORIG. SGD. DAVID R. GLASS Title PETROLEUM ENGINEER Date MAR 03 1990  
 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 or any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division  
311 S. 1st St  
Albuquerque, NM 88210-2834

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

CLSF

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' FWL, Unit N, Sec. 5-18S-27E

5. Lease Designation and Serial No.

NM-7714

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

West Red Lake Unit 8910089700

8. Well Name and No.

West Red Lake Unit #44

9. API Well No.

30-015-28444

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

11. County or Parish, State

Eddy County, NM

MAR 1998  
RECEIVED  
OCD - ARTESIA

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other \_\_\_\_\_

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Administrative Order WFX-726

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

Post IP-2  
4-3-98  
conv to WIW

ACCEPTED FOR RECORD  
MAR 24 1998  
CLM

4. 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 \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

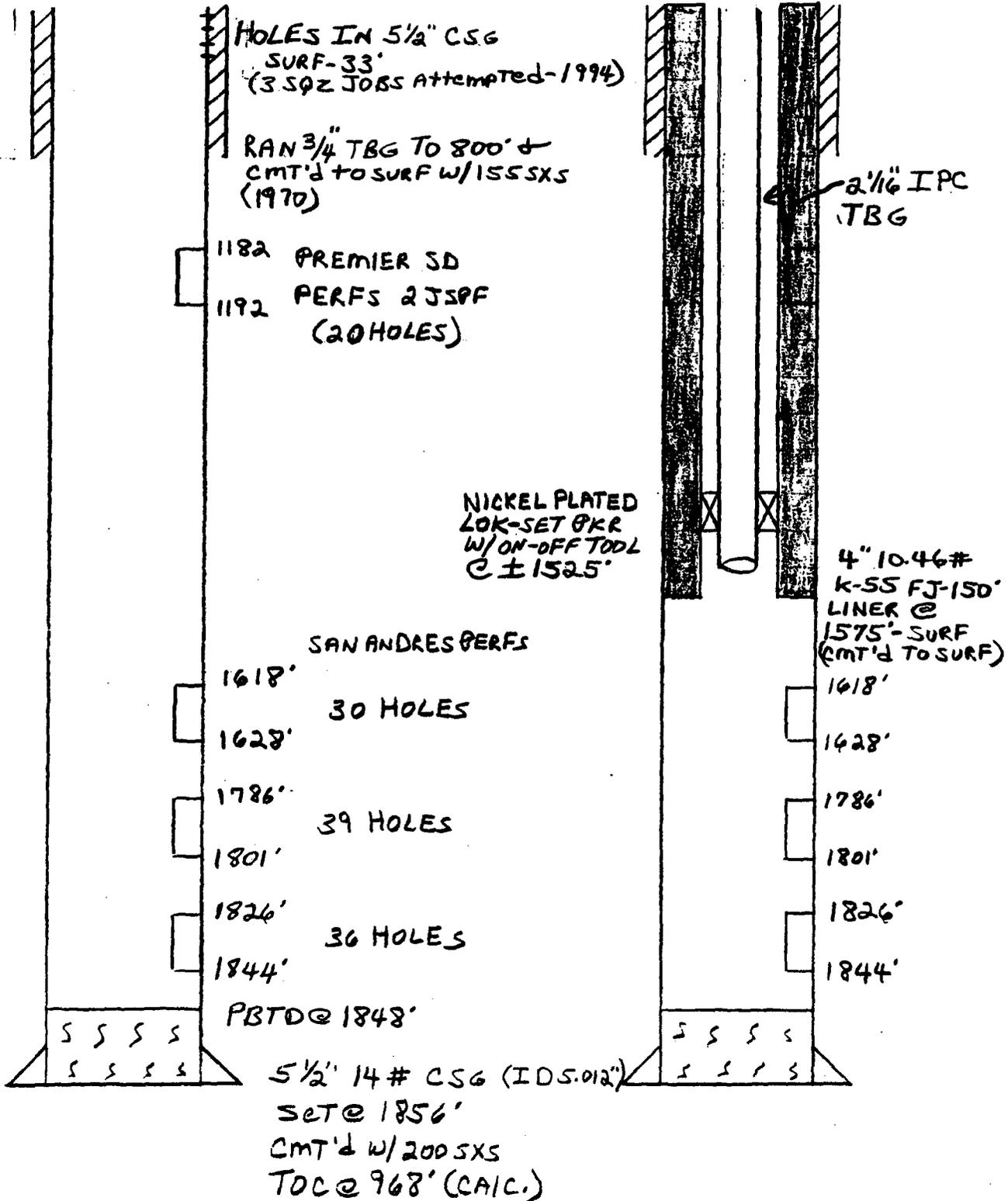
Date \_\_\_\_\_

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

DATE 2/10/95 BY ELB

PRESENT

PROPOSED



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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),  
 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.  
 Rld FC, FS, CIBP and pushed CIBP to PBSD at 1848'.  
 Circ'd packer fluid. Set 4" AD-1 packer at 1527' on 46 jts 2 1/16" plastic coated tbg.  
3-18-95 Ran Mechanical Integrity Test by pressuring to 500 psi, held 30 mins, tested OK.  
 Enclosed.  
3-20-95 Tied into injection system and returned to injection.  
3-21-95 Injected 750 BWPD at 600 psi TP.

RECEIVED  
 MAY - 8 1995  
 OIL COMPANY  
 DIST. 2

I hereby certify that the foregoing is true and correct

Signed Linda Diepenbrock  
in this space for Federal or State office use)

Title **LINDA DIEPENBROCK  
ENGINEERING TECHNICIAN**

Date 4/3/95

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

ACCEPTED FOR RECORD  
J. Lara  
 - 4 1995

Date \_\_\_\_\_

RECEIVED  
 APR 10 11 42 AM '95  
 OIL COMPANY  
 DIST. 2

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

in 12/17/04

Suppose  
12/05

**Jones, William V**

---

**From:** marc maddox [cyquest5@yahoo.com]  
**Sent:** Friday, December 17, 2004 8:51 PM  
**To:** WVJones@state.nm.us  
**Subject:** SDX Resource Application

Dear Mr. Jones - Please reactivate the injection application submitted by SDX Resources for the Chalk Bluff well. Thank you!

Kay Maddox  
Regulatory Agent

---

Do you Yahoo!?  
The all-new My Yahoo! - What will yours do?

---

This email has been scanned by the MessageLabs Email Security System.  
For more information please visit <http://www.messagelabs.com/email>

---



Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8280

FAX

To: NMOCD

From: Meg Muhlinghause

Fax: 505-476-3462

Date: December 16, 2004

Phone: 505-476-3440

Pages: 2 (including cover page)

Re: SDX SWD Application  
Chalk Bluff #1 well  
Eddy County, New Mexico

CC:

Urgent     For Review     Please Comment     Please Reply     Please Recycle

• Comments:

Ladies and Gentlemen:

Please find Devon's withdrawal of their objection to the SDX SWD application dated November 2, 2004. Should you have any questions or need additional information, feel free to contact me at 405-228-4416. Thank you in advance for your attention to this matter.

Sincerely,

*Meg Muhlinghause*

Meg Muhlinghause  
Land Advisor  
Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102  
Phone: (405) 228-4416  
Fax: (405) 552-8113  
meg.muhlinghause@dvn.com

*Called Kay 12/16/04  
She may send a letter or email  
in response. It to be  
re-opened.*



2004 DEC 20 PM 2 24

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8260

Meg Muhlinghouse  
Land Advisor

Phone: (405) 228-4416  
Fax: (405) 552-8113

VIA FACSIMILE AND US MAIL

December 16, 2004

New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St Francis  
Santa Fe, New Mexico 87505

Re: SDX Resources, Inc. Application for Salt Water Disposal  
Section 5, T-18-S, R-27-E  
Eddy County, New Mexico

Ladies and Gentlemen:

Reference is made to SDX Resources, Inc. application to convert the Chalk Bluff #1 well to a Salt Water Disposal well and inject into the San Andres, Glorieta and Yeso formations. After further discussions with SDX, please be advised that Devon Energy Production Company, L.P. hereby withdraws it's previous objection and currently **does not object to said application.** Should you have any questions or need additional information, please feel free to contact the undersigned at the letterhead address and phone number.

Respectfully submitted,

*Meg Muhlinghouse*  
Meg Muhlinghouse  
Land Advisor

cc: SDX Resources, Inc.  
P.O. Box 5061  
Midland, TX 79704  
Fax # 432-685-0533

*CHALK BLUFF Field #1  
30-15-00789  
→ north of Reef  
well LOGS  
AOR 4 PEA  
19 ACTIVE  
23 TOTAL  
(Older well)*



RECEIVED

NOV 24 2004

Meg Muhlinghouse  
Land Advisor

Oil Conservation Division  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, Oklahoma 73102-8260

Phone: (405) 228-4416  
Fax: (405) 552-8113

VIA FACSIMILE AND US MAIL

November 19, 2004

New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St Francis  
Santa Fe, New Mexico 87505

Re: SDX Resources, Inc. Application for Salt Water Disposal  
Section 5, T-18-S, R-27-E  
Eddy County, New Mexico

Ladies and Gentlemen:

Reference is made to SDX Resources, Inc. application to convert the Chalk Bluff #1 well to a Salt Water Disposal well and inject into the San Andres, Glorietta and Yeso formations. Please be advised that Devon Energy Production Company, L.P. **hereby objects to said application.** Devon has active San Andres wells directly offsetting the Chalk Bluff #1 well and believes that this could be harmful to Devon's wells. Please advise the undersigned as to the NMOCD decision regarding this matter. Should you have any questions or need additional information, please feel free to contact the undersigned at the letterhead address and phone number.

Respectfully submitted,

Meg Muhlinghouse  
Land Advisor

cc: SDX Resources, Inc.  
P.O. Box 5061  
Midland, TX 79704  
Fax # 432-685-0533

Injection is to be through the 13 authorized water injection wells, each of which shall be equipped with tubing and a packer with dual injection down the annulus into the Premier zone of the Grayburg formation and down the tubing into the San Andres formation. It is our understanding that after a trial period the injection streams into the two zones will be combined through tubing if injection rates and pressures are compatible. It is our further understanding that the majority of the wells have surface casing set to the top of the Premier pay or near thereto, while some of the wells have either no surface casing or only a limited amount thereof. The period for injection down the annulus is therefore limited to six months in the Brainard Well No. 4, the Simon Federal "A" Well No. 1, and the Mann Federal Well No. 2 (Unit Wells Nos. 24, 17, and 31, respectively).

*Simon Federal*

WATER ANALYSIS REPORT

*[Handwritten signature]*

SAMPLE

Oil Co. : SOX 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<sub>3</sub> Saturation Index @ 140 F. +1.157 - Calcium Carbonate

Dissolved Gases MG/L      EQ. WT.      \*MEQ/L

- 4. Hydrogen Sulfide 400 —
- 5. Carbon Dioxide 125 —
- 6. Dissolved Oxygen Not Determined

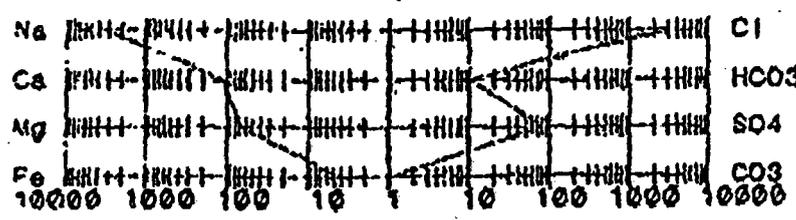
Cations

- 7. Calcium (Ca<sup>++</sup>) 2,180 / 20.1 = 108.48
- 8. Magnesium (Mg<sup>++</sup>) 794 / 12.2 = 66.08
- 9. Sodium (Na<sup>+</sup>) (Calculated) 74,588 / 23.0 = 3,242.87
- 10. Barium (Ba<sup>++</sup>) Not Determined

Anions

- 11. Hydroxyl (OH<sup>-</sup>) 0 / 17.0 = 0.00
- 12. Carbonate (CO<sub>3</sub><sup>=</sup>) 0 / 30.0 = 0.00
- 13. Bicarbonate (HCO<sub>3</sub><sup>-</sup>) 688 / 61.1 = 11.28
- 14. Sulfate (SO<sub>4</sub><sup>=</sup>) 3,000 / 48.8 = 61.48
- 15. Chloride (Cl<sup>-</sup>) 117,873 / 35.5 = 3,323.18
- 16. Total Dissolved Solids 200,010
- 17. Total Iron (Fe) 69 / 18.2 = 3.76 *7100*
- 18. Total Hardness as CaCO<sub>3</sub> 8,712
- 19. Resistivity @ 75 F. (Calculated) 0.001 /cm.

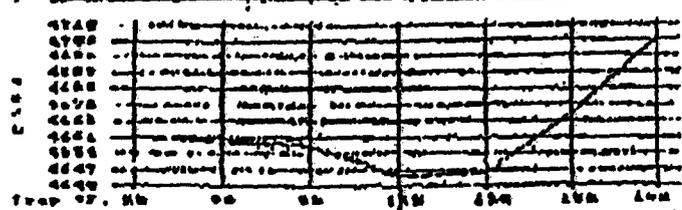
LOGARITHMIC WATER PATTERN  
 \*mg/L.



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT. X	*meq/L =	mg/L.
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	8.68	777
CaSO <sub>4</sub>	68.07	79.92	5,440
CaCl <sub>2</sub>	55.60	18.95	1,052
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	0.00	0
MgSO <sub>4</sub>	60.18	0.00	0
MgCl <sub>2</sub>	47.62	65.08	3,099
NaHCO <sub>3</sub>	84.00	0.00	0
NaSO <sub>4</sub>	71.03	0.00	0
NaCl	58.46	3,239.16	189,381

Calcium Sulfate Solubility Profile



\*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<sub>2</sub>S, CO<sub>2</sub> in solution.

## B J Services Water Analysis

Artesia District Laboratory  
(505)-746-3140

Date: 6-Nov-00	Test #:
Company: SDX Resources	Well #:
Loase: 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
<b>Total Dissolved Solids(calc.)</b>	<b>154120</b>		<b>137607</b>
<b>Total Hardness as CaCO3</b>	<b>14014</b>	<b>280.0</b>	<b>12513</b>

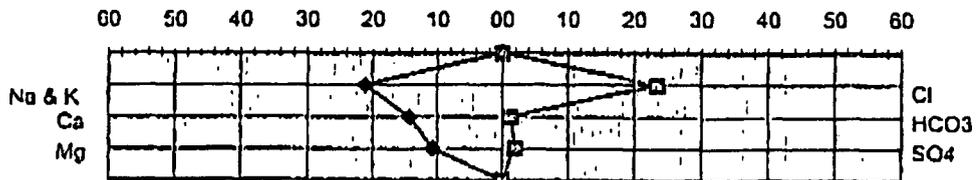
**COMMENTS:**

Rw= 0.0847@61.1 deg.

**SCALE ANALYSIS:**

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

**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. CaCO<sub>3</sub> 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		

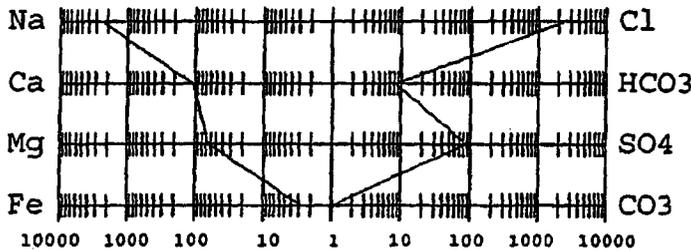
#### Cations

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

#### Anions

11.	Hydroxyl	(OH <sup>-</sup> )	0	/	17.0 =	0.00
12.	Carbonate	(CO <sub>3</sub> <sup>=</sup> )	0	/	30.0 =	0.00
13.	Bicarbonate	(HCO <sub>3</sub> <sup>-</sup> )	483	/	61.1 =	7.91
14.	Sulfate	(SO <sub>4</sub> <sup>=</sup> )	4,000	/	48.8 =	81.97
15.	Chloride	(Cl <sup>-</sup> )	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 <sub>3</sub>		8,337			
19.	Resistivity @ 75 F. (Calculated)		0.040		/cm.	

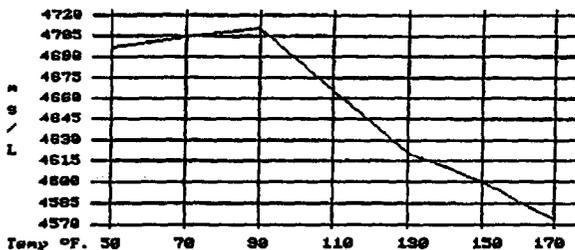
#### LOGARITHMIC WATER PATTERN \*meq/L.



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

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

#### Calcium Sulfate Solubility Profile



\*Milli Equivalents per Liter

Water is mildly corrosive due to the pH observed on analysis.  
 Corrosivity is increased by the content of mineral salts, and the presence  
 of these 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. 4<sup>th</sup>  
Artesia, New Mexico 88210

Gruy Petroleum  
814 W. Marland  
Hobbs, New Mexico 88240

**Surface Owner:**

Bureau of Land Management  
2909 W. 2<sup>nd</sup> St  
Roswell, New Mexico 88201

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

11/2/2004  
Kay Maddox



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

7099 3220 0005 7557 4841

Article Sent To:

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

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

PS Form 3800, July 1999 See Reverse for Instructions

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

7099 3220 0005 7557 4858

Article Sent To:

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

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

PS Form 3800, July 1999 See Reverse for Instructions

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

7099 3220 0005 7557 4834

Article Sent To:

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

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

PS Form 3800, July 1999 See Reverse for Instructions

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

7099 3220 0005 7557 4865

Article Sent To:

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

Name (Please Print Clearly) (To be completed by mailer)  
*Devon Oil Co.*  
 Street, Apt. No., or PO Box No.  
*20 N Broadway, STE 1500*  
 City, State, ZIP+4  
*Oklahoma City, OK 73102*

PS Form 3800, July 1999 See Reverse for Instructions

# Affidavit of Publication

NO. 18655

# Copy of Publication:

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 October 22 2004

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Subscribed and sworn to before me this

22nd Day October 2004

Barbara Ann Beas  
Notary Public, Eddy County, New Mexico

My Commission expires September : 23, 2007

### Notice of Application for Fluid Injection Well Permit

SDX Resources, Inc., 511 W. Ohio St., Suite 601, PO Box 5061 Midland, TX 79704, Contact: Chuck Morgan (432) 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, T-18-S, R-27-E, with perforations from 1570-3155'. The proposed injection zone is the San Andres-Yeso formation. SDX Resources, Inc intends to inject 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. October 22, 2004. Legal 18655



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
Tel. (505) 234-5972  
Fax (505) 885-9264

IN REPLY REFER TO:  
3162.4  
LC-064050, NM-97122

MSC 07 200

SDX Resources, Inc.  
P. O. Box 5061  
Midland, TX 79704

Dear Mr. Morgan:

Your Applications for Permit to Drill (APDs), for the following wells have expired because drilling has not commenced within one year of the approval date as stated in the General Requirements for Oil and Gas Operations on Federal Leases:

LC-064 050 Trigg Federal #3 2050'/S & 2240'/E Sec. 26, T. 17S, R. 27E  
APD approved on 09/27/00

NM-97122 Chalk Bluff Draw Fed. #1 2055'/S & 1980'/W Sec. 5, T. 18S, R. 27E  
APD approved on 04/28/00

8-16-01  
96113  
← SWD-Penny

If drilling operations have commenced on the referenced wells, please contact this office at (505) 234-5972 and send all necessary reports (spud, casing/cementing, etc., 1 original and 5 copies for each well ) to the Roswell Field Office, 2909 West Second Street, Roswell, New Mexico 88202, so we may correct our records.

If the wells have not been spudded, but site construction activities have occurred, please contact this office at the above telephone number for surface reclamation instructions.

If you wish to drill these wells at a later date, please submit a complete application (1 original and 5 copies for each well ) to the Roswell Field Office. Since the original APDs have expired, the resubmitted APDs will be subject to all the processing requirements including the 30-day posting requirement. Please note on the resubmitted APDs that they were previously approved and we will review the expired files for information which will help expedite the processing. If you have any questions please contact Joe Lara at (505) 234-5915 or Betty Hill at (505) 234-5937.

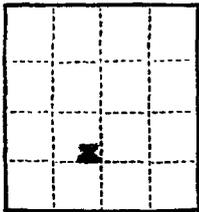
Sincerely,

/S/ LESLIE A. THEISS

Leslie A. Theiss  
Field Manager

cc:BLM-I&E (CFO/Hobbs)  
NMOCD (Artesia/Hobbs)  
L Askwig (RFO)





(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Beavert  
Lease No. NE 221726  
Unit Sec. 5, T-14N, R-37E, Co. Lease #207071

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

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

**CHALK BLUFF DEEP UNIT**

April 10, 1956

Well No. 1 is located 2075 ft. from S line and 1900 ft. from W line of sec. 5

N/4 of N/4 Sec. 5 (1/4 Sec. and Sec. No.) T-14-N (Twp.) R-37E (Range) Meridian (Meridian)  
Chalk Bluff Deep Unit (Field) Beavert (County or Subdivision) New Mexico (State or Territory)

(Chalk Bluff Deep Unit)  
The elevation of the derrick floor above sea level is 3522 ft.

DETAILS OF WORK

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

Run and set 226 joints 5-1/2" casing, 9488.30' set at 9500' with IHG-60 2-stage tool, at 8705', cemented 1st stage with 135 cu. regular 12# gel and 1/2# HW per cu. cement and 100 cu. neat Trinity Infusum cement. Plug in place at 1:00 A. M. 4-4-56. Opened HW tool, cement circulated up to tool. Circ. 6 hours. 2nd stage cemented with 1700 cu. regular 12# gel cement w/1/2# HW per cu. and 100 cu. neat Trinity Infusum cement. Plug in place at 8:30 A. M. 4-4-56. Cement circulated. 4-5-56 tested casing and BOP with 2000# for 30 minutes. No drop in pressure. Drilled HW tool at 8705'. Tested with 3000#. No drop in pressure.

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

Company Beavert Oil & Refining Company

Address Box 237, Hobbs, N. M.

By M. M. Rogers

Title agent



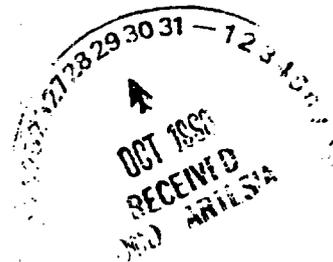
NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

October 26, 1998

SDX Resources, Inc.  
P.O. Box 5061  
Midland, Texas 79704

Attn: Ms. Bonnie Atwater



*Clark B...*  
#1...

*Re: Request for Extension of Implementation Period for Division Order SWD-677.*

Dear Ms. Atwater:

My staff has reviewed your request to extend the implementation period on the above referenced Division Order. Providing that all conditions contained in the order remain the same and there are no wells drilled in the area of review, the expiration date of the SWD-677 is hereby extended to September 30, 1999.

In the event any drilling activity occurs in the subject area of review, SDX Resources, Inc. will notify the supervisor of the Artesia District office and the Division office. An administrative review of the permit will be conducted, and the status of the permit will be determined.

All other provisions and conditions of SWD-677 and Division Rules 706 and 1120 shall remain in full force and effect.

Sincerely,

*Lori Wrotenbery / Lj M-3*

Lori Wrotenbery  
Director

LS/BES/kv

cc: Oil Conservation Division - Artesia  
SWD-677