

11-8-04	11-23-04	ENGINEER Jones	LOGGED BY SW	TYPE SWD
---------	----------	----------------	--------------	----------

RECEIVED

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

Denial of application
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

Signature

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

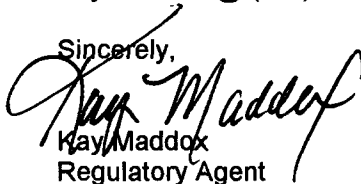
Re: Application for Salt water Disposal
Eddy County, NM

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,

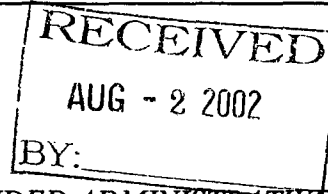
A handwritten signature in black ink, appearing to read "Kay Maddox", is written over the typed name and title.

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

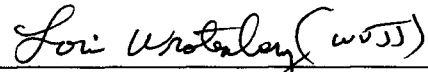
SDX Resources, Inc.

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.**

A handwritten signature in cursive script, reading "Lori Wrotenbery (WJS)".

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: (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 FAD

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

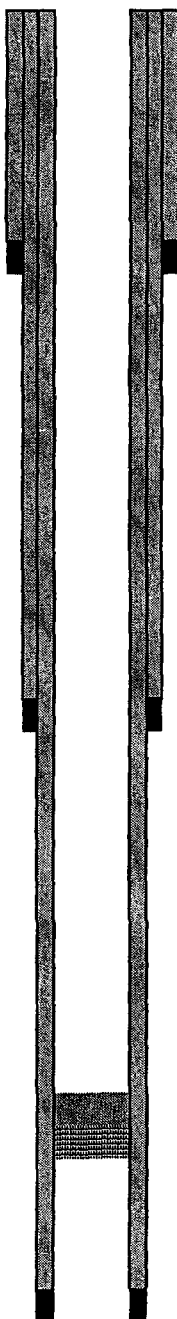
API Number: 30-015-00789

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

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

DN Tool 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'

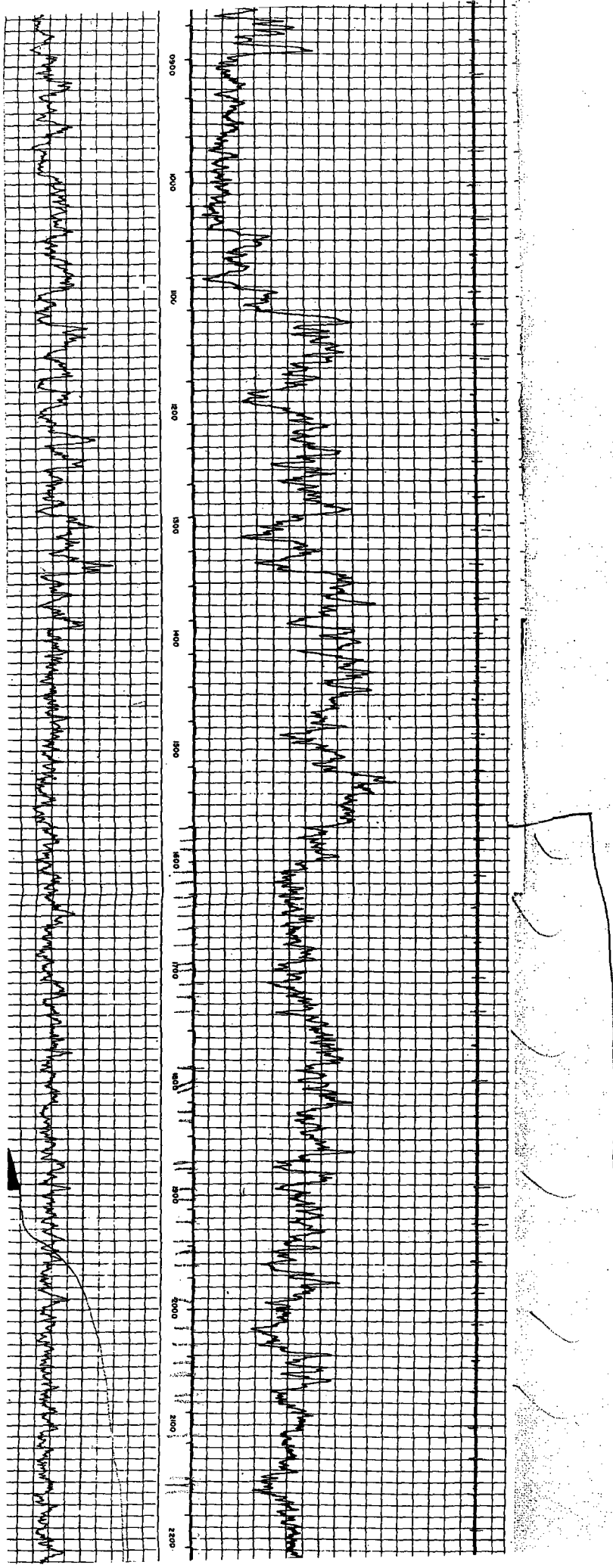
61

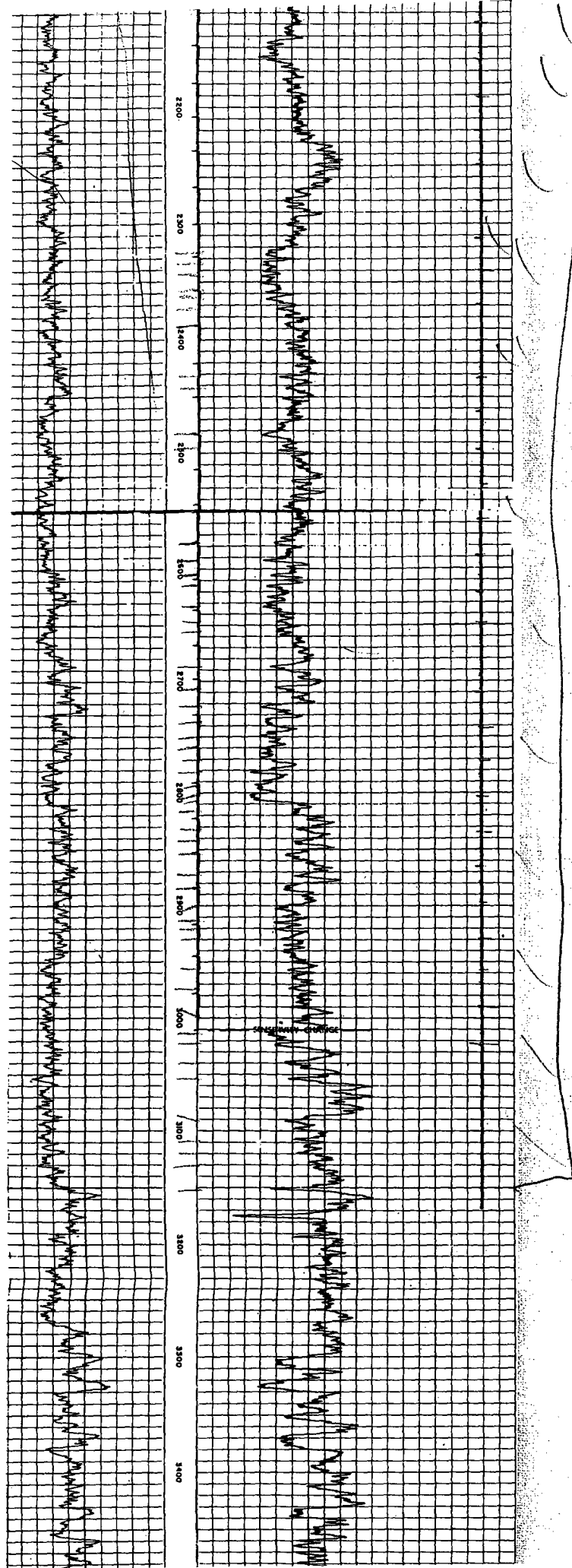
Reproduced By
West Texas Electrical Log Service
Dallas 1, Texas

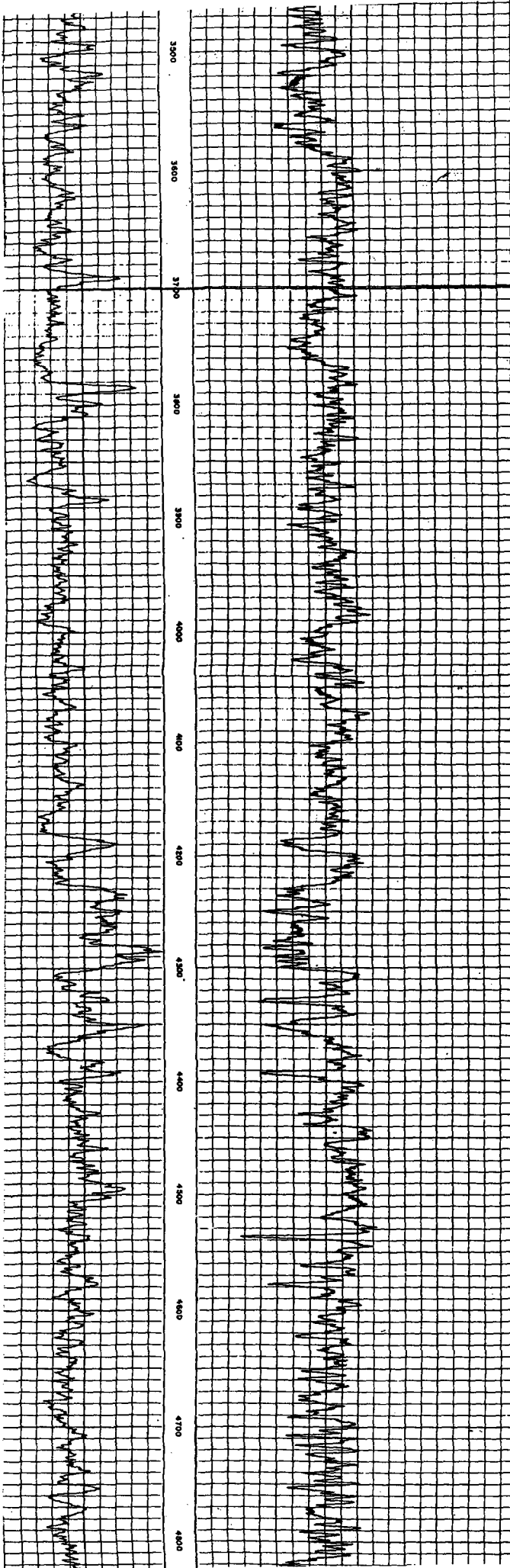
OCT 8 1981

REFERENCE N° A 4959 -D

SCHLUMBERGER WELL SURVEYING CORPORATION				BOSTON, MASS.		SIMULTANEOUS	
				Gamma Ray - Neutron			
COMPANY HUMBLE OIL AND REFINING COMPANY				Location of Well 1980' f 54N/L GRN (ML-ES)			
WELL CHALK BLUFF UNIT							
# 1							
FIELD WILDCAT							
LOCATION SEC. 5-18S-27E							
COUNTY EDDY				Elevation: D.F. 3512 K.S. or G.L.			
STATE NEW MEXICO				FILING No.			
RUN NO.							
Core 4-2-56							
Lith. Reference KB 11 ADV. GL							
pit Reading 5499							
pit Reading 0							
casing Measured 3499							
loss, Depth Reached 3500							
offset Driller 3500							
Gamma Temp. 142							
Lith. Nature Chalk-Gl							
Density 10.5							
V. Velocity 55							
Resistivity 0							
casing Size & 1 3/8" to 550							
2 1/2" to 4013							
Open Hole 2 1/2" to 3059							
1 7/8" to 3500							
45							
Lull Level 2000' & 4000'							
recording Speed (in/hr) GR 120 INR 2400 GR							
sensitivity 1.452.8							
line Constant 500-5 42							
cor. Rig Time 5X RT.							
cor. Size & Type 1 7/8" - Hobbs							
rock Log HIT 10r							
Recorder							
MARKS: CALIBRATION BACKGROUND C2 TEST SOURCE C2 GAIN INCREASE BY 50%							
GAMMA RAY 36 240 100 200 400							
NEUTRON							







Dallas 1, Texas

JUN 16 1933

MAR 13 1987

SCHLUMBERGER WELL SURVEYING CORPORATION



Electrical Log

COUNTY FREDERICK LOCAL NO. 1 WELL	COMPANY JUMBLE OIL AND REFINING COMPANY	LOCATION OF WELL	1980' F 58H/L
		WELL	ES (MI-GRN)
		# 1	
		FIELD	WILDCAT
		LOCATION	SEC. 5-18S-27E
		COUNTY	EDDY JUL
		STATE	NEW MEXICO
		ELEVATION: D.F. 2512	5 1980'S
		FILING No.	

RUN No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Down	2	1	0-56	2	3	0-56	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

MARKS

BR: R35 -	150 -	100(20.0)
100: 50%	140: TCI.4:	speed 4000' / hr.

**THIS IS NOT A COMPLETE REPRODUCTION OF
THE ORIGINAL FILE.**

COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

PERFORATING RECORD

ACID FRAC SHOT

IP

GOR

GR

ITP

CP

REMARKS:

CORE AND DST DATA ADDED TO THIS SURVEY BY

WEST TEXAS ELECTRICAL LOG SERVICE.

SPONTANEOUS-POTENTIAL	18	RESISTIVITY
-----------------------	----	-------------

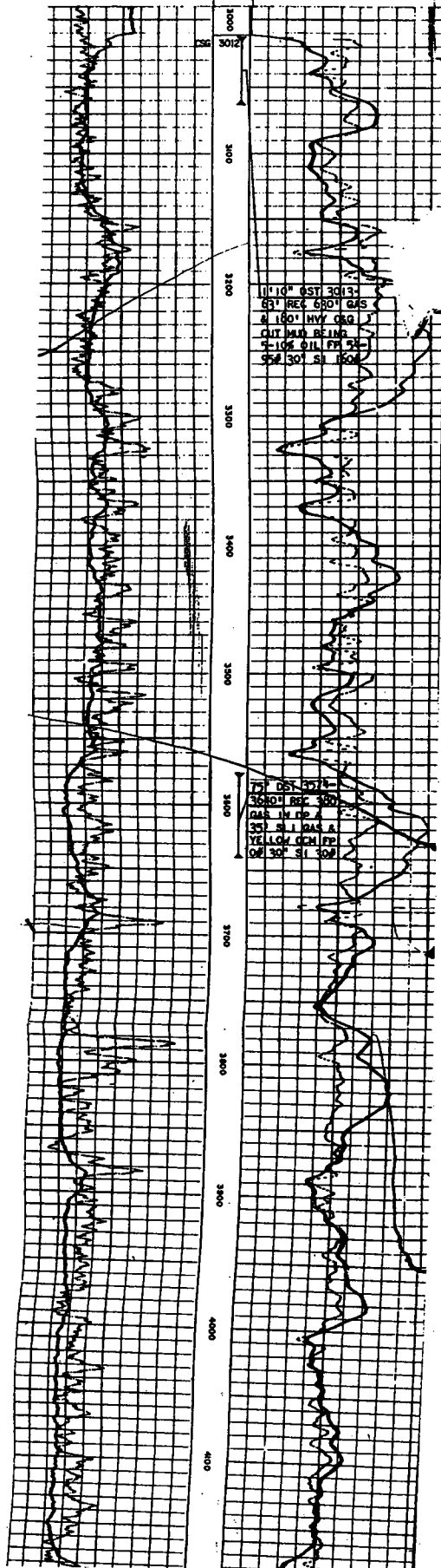
39.72 over
~~79~~
22.7
528
5302.7 TALL
#6 " 1318 1 wide
5278

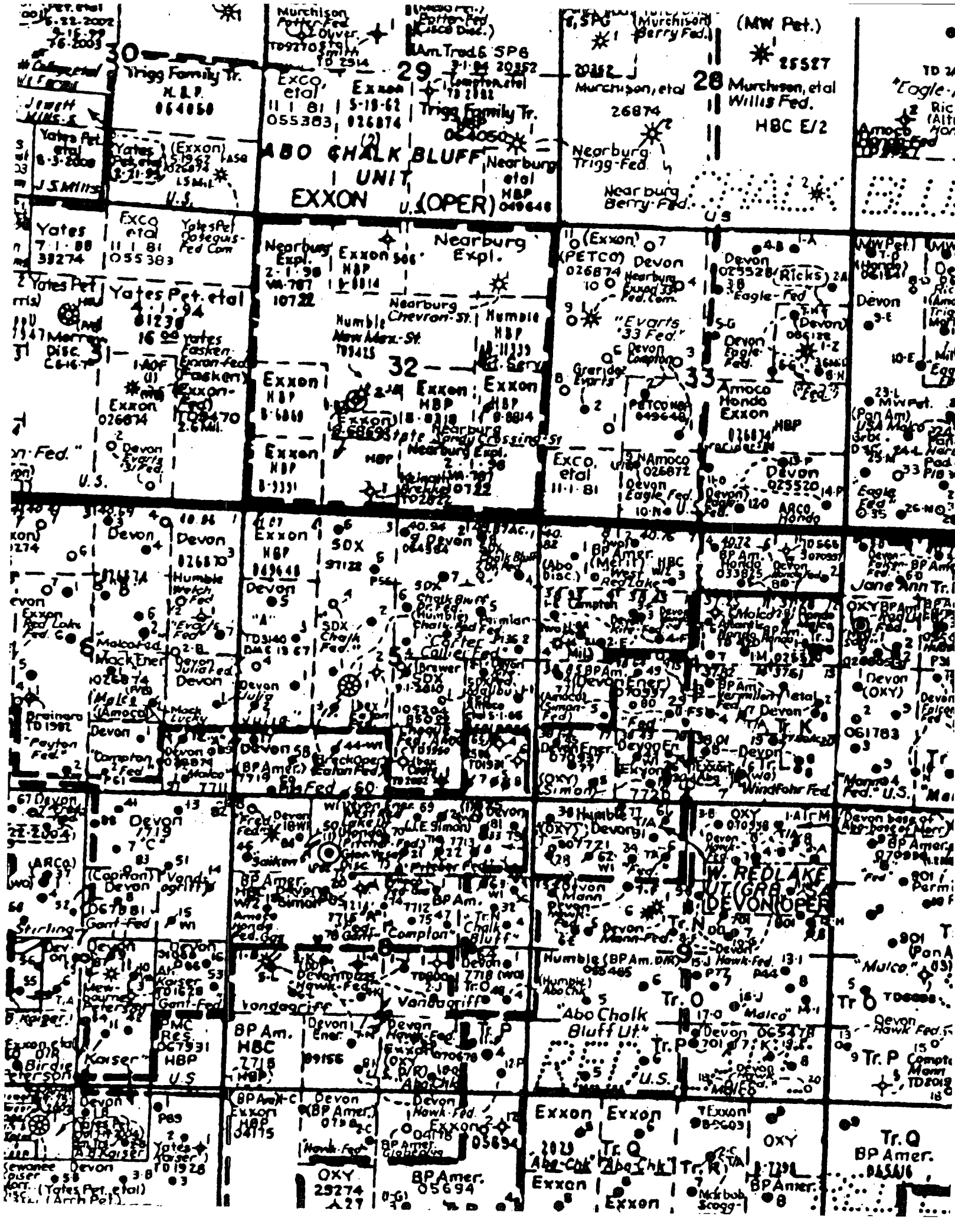
- 20 +

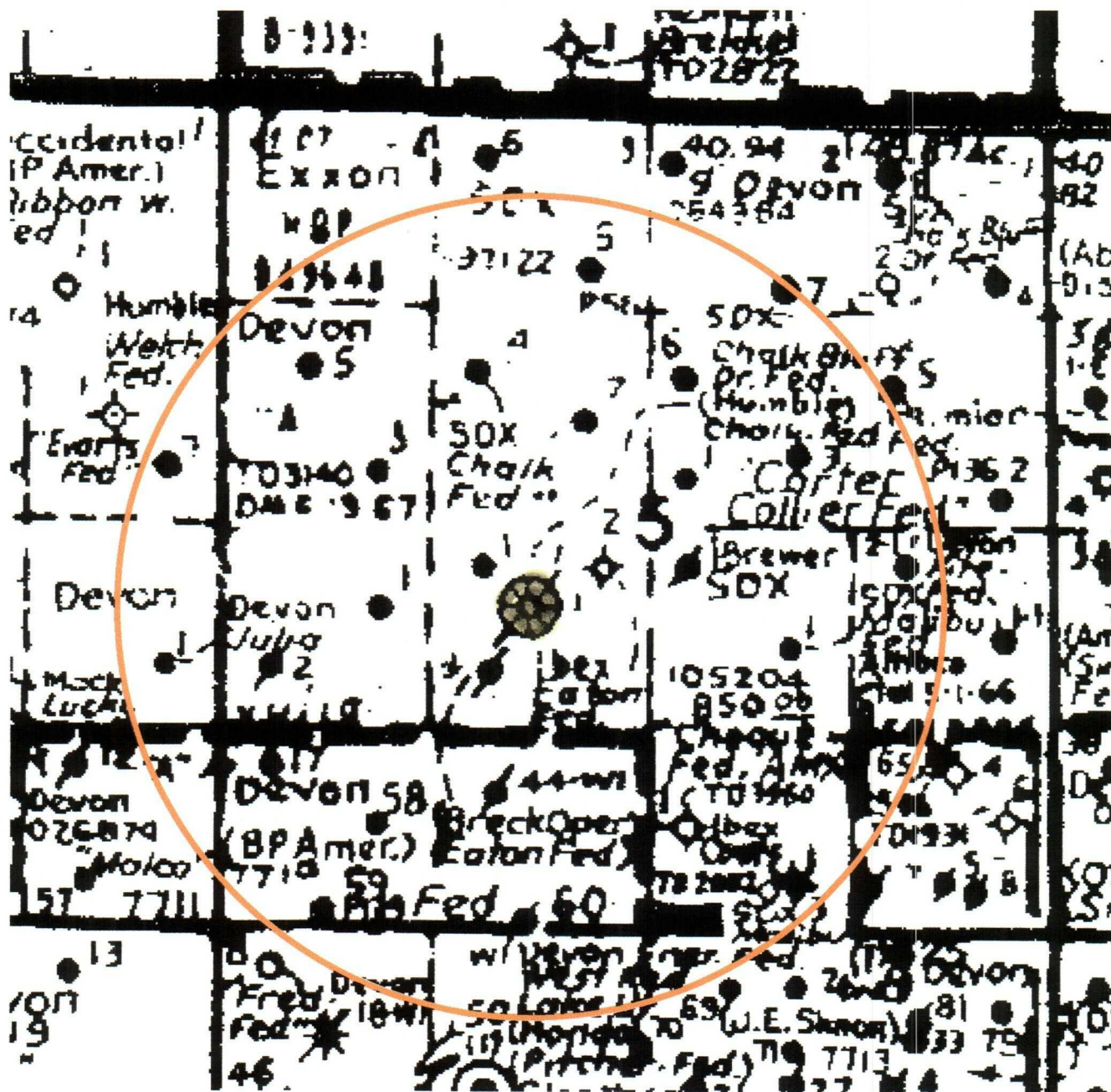
0 10" Normal 2000
0 2000
0 32" Lateral 140

GAMMA RAY

3.5
Micrograms Radium Equivalent
per Ton of Formation







SDX Resources
Chalk Bluff #1
1/2 Mile Well Radius Map

Scale: 1 inch = 1,000 feet
Date of Map 9/23/04

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

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" hole)		
	1650 FSL & 330 FEL							
	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" hole)		
	API # 30-015-00793							
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" hole)		
	API # 30-015-20049							
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 schematic	7" @ 1650'	100 sxs	1294'
	Section 5, T-18-S, R-27-E							
	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	3482-3510	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	Gruy 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>				
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	Gruy Petroleum	10/7/1995	2250	1599-2025	Injection	8 5/8" @ 1099'	550 sxs	surf
	West Red lake Unit #44				WFX 726	5 1/2" @ 2249'	400 sxs	surf
	Section 5, T-18-S, R-27-E							
	840 FSL & 1750 FWL							
	API # 30-015-28444							
26	Devon Energy	3/3/1996	2200	1540-1996	Oil	8 5/8" @ 1010'	650 sxs	surf
	West Red lake Unit # 58					5 1/2" @ 2200'	370 sxs	86'
	Section 5, T-18-S, R-27-E							
	660 FSL & 900 FWL							
	API # 30-015-28780							

27	Gray Petroleum West Red lake Unit # 17 Section 5, T-18-S, R-27-E 990 FSI & 330 FWL API # 30-015-00788	12/14/1955	1863	1826-1844	Injection R-3469	13 3/8" @ 30' 5 1/2" @ 1863' 4" @ 1575'	10 sxs 200 sxs 100 sxs	surf surf circ surf
28	Devon Julia Federal A #1 Section 5, T-18-S, R-27-E 1980 FSL & 1020 FWL API # 30-015-00782	4/20/1933	1893	1345-1893	Oil	12 1/2" @ 472' 10" @ 992' 8 1/4" @ 1076' 8 5/8" @ 1345'	set 50 sxs 25sxs	pulled assumed 763' 1075'
			(No cmt records - assumed volumes by operator history)					
29	SDX Resources Chalk Federal #4 Section 5, T-18-S, R-27-E API # 30-015-29707 1650 FNL + 1650 FWL	2/25/2002	3260	2231 - 2380 1624-1864	Oil	8 5/8" @ 1154' 5 1/2" @ 3192'	675 sxs 550 sxs	circ circ
30	SDX Resources Chalk Federal # 6 Section 5, T-18-S, R-27-E 330 FNL & 1650 FWL API # 30-015-29651	6/21/2001	3393	2777-3046	Oil	8 5/8" @ 1140' 5 1/2" @ 3383'	575 sxs 800 sxs	circ circ
31	Devon Energy Carter Collier '5' Federal # 9 Section 5, T-18-S, R-27-E 330 FNL & 2360 FEL API # 30-015-29995	5/23/1998	2455	1674-2109	Oil	8 5/8" @ 1148' 5 1/2" @ 2454'	550 sxs 500 sxs	surface surface
32	Adkisson, A.W. Brainard #1 Section 5, T-18-S, R-27-E 330 FSI & 1650 FEL API # 30-015-00777	6/21/1939	2002	1242-2002	D&A See attached schematic 6/31/39	10 3/4" @ 625' 8 1/4" @ 1036' No cmt records See scout ticket attached	set set	assume pulled assume pulled

15-00777 7
7322821

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:

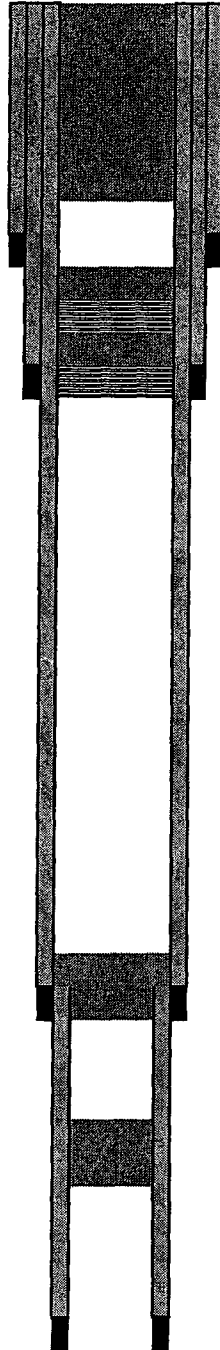
Casing Size: 10"
Depth: 425'
Sxs cmt:

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

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

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

TD: 1847'



Casing shot at 350'
Squeezed with 140 sx to surface

Cat at 750- squeeze with 60 sx

CRT at 950'

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

Cmt Plug 1332 20 sx

Cmt Plug 1540 20 sx

Perf 1792-1822

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

API Number: 30015 20049

P&A: 6/23/87

Datum: 3,469 DF

Casing Size: 8 5/8"

Depth: 421'

Sx cmt: 200

Top Cmt: Surf

Cmt plug 30' to surf

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

Casing Size: 7"

Depth: 1300'

Sx cmt: 100

Top Cmt: 90'

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

Casing Size: 4 1/2"

Depth: 3139'

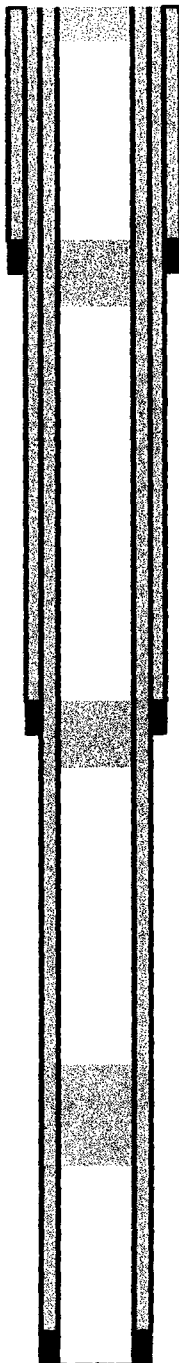
Sx cmt: 180

Top Cmt: 1064'

Perf 2774-2876

Cmt Plug 2907-2650 25 sx
Perf 2938-2993

TD: 3,140'



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE
(Other instructions on reverse side)Form Approved
Budget Bureau No. 42-R1424

1. LEASE DESIGNATION AND SERIAL NO.

LC 026874 (F)

2. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Welch Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Wildcat

11. SEC., T., S., R., OR S.W. AND
SURVEY OF AREA

S6, T18S, R27E

14. PERMIT NO.

--

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

3,469 DF

12. COUNTY OR PARISH

Eddy

13. 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)

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Acidized perforations from 2938-2993' w/3000 gal reg. 15% NE acid w/ball sealers. Inj. rate 5.6 BPM, Max 1750 psi, 10 min SIP 650 psi. Opened and flowed back 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 30' 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

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

SIGNED

R. L. BEEKMA

TITLE

Agent

DATE

6-27-67

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

DEC 12 1967

R. L. BEEKMA

TITLE

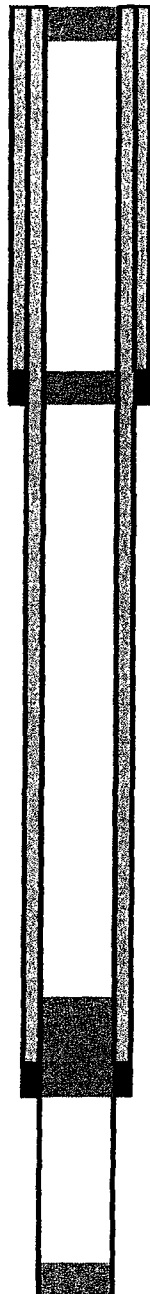
*See Instructions on Reverse Side

**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

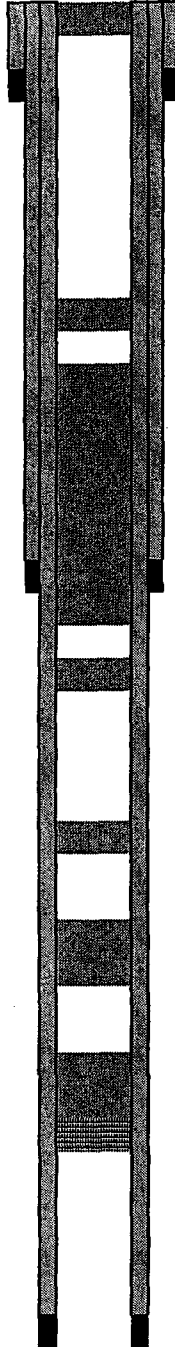
Datum: 3423' GL

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'

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

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

Expires: March 31, 1993

Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Undesignated Premier

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

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

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

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

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

RECEIVED

SEP 20 1995

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

OIL CON. DIV.

DIST. 2

RECEIVED

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

Signed

Title Production Clerk

Date August 16, 1995

(This space for use by the State or the Bureau)

(Orig. Sec.) JOE G. LARA

Title

PETROLEUM ENGINEER

Date

9/18/95

Approved by

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

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

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

Budget Bureau No. 1004-9145
Artesia, NM 88210
Expires: 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

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

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

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

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

Propose to plug and abandon well as follows:

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

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

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

Signed *Rusty Klein*

Title Production Clerk

Date June 12, 1995

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

(Orig. Sch.) JOE G. LARA

Title

PETROLEUM ENGINEER

Date

7/13/95

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

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES
SUBMIT IN DUPLICATE
EXPIRES August 31, 1985
NM-88210
NM-71762

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Choque AMX Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Premier

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

Section 5-T18S-R27E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. PERMIT NO.

DATE ISSUED

API 30-015-27521

15. DATE SPUDDED

RH 7-30-93
RT 8-10-93

16. DATE T.D. REACHED

8-23-93

17. DATE COMPL. (Ready to prod.)

9-1-94

18. ELEVATIONS (DF, 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

ROTARY TOOLS

CABLE TOOLS

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

1207-1239' Premier

25. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDC & DLL

26. WAS WELL CORED

No

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

OIL CON. DIV.

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	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
9-5-94	24		→	12		209	
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
10	10	→	12		209		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Tony Vasquez

35. LIST OF ATTACHMENTS

Deviation survey and logs

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

SIGNED

Rusty Klein

TITLE

Production Clerk

DATE

5-19-95

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

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

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

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

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

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

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

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

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

9-27-94 - Moved in and rigged up pulling unit. Pulled rods, pump and tubing. WIH and retrieved RBP at 1279'. Shut well in.

9-28-94 - RIH with retainer. Pumped down tubing - vacuum. Set retainer at 1375'. Loaded backside. Pressured to 300# across Premier perforations 1207-1249'. Mixed 300 sacks Class "C" 3% CaCl₂ cement and pumped into San Andres perforations 1412-1457' and 1822-1947'. On vacuum. Shut down. Mixed 200 sacks Class "C" cement. Injected 7 sacks of 3% CaCl₂ on fly. Pressured to 442#. Washed up. Displaced. Vacuum - 1 BPM. Pressured to 214#. 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

CARL
AREA

OCT 6 10 56 AM '94

RECEIVED

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

Signed Busty Allen Title Production ClerkDate Oct. 3, 1994

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

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

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

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

5. Lease Designation and Serial No.
NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

9. API Well No.
30-015-27521

10. Field and Pool, or Exploratory Area
Yeso Wildcat

11. County or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

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

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

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 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: _____

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

(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

Conditions of approval, if any:

Title

Date

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

O. C. D.

ARTESIA, OFFICE

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

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

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

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Yeso Wildcat

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perfs & acid

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

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

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

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.

I hereby certify that the foregoing is true and correct

Signed Rusty Klein Title Production Clerk

Date Aug. 24, 1994

(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 or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL COMMISSION
Drawer DD
Artesia, NM 88210FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

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

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

5. Lease Designation and Serial No.

NM-71762

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Choque AMX Federal #1

9. API Well No.

30-015-27521

10. Field and Pool, or Exploratory Area

Yeso Wildcat

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☒
- Other 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

OCT 12 1993

CARLSBAD, NEW MEXICO

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

Signed

Title Production Clerk

Date Sept. 16, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

1e 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

Drawn by
Artesia, NM

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

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Production casing & cmt

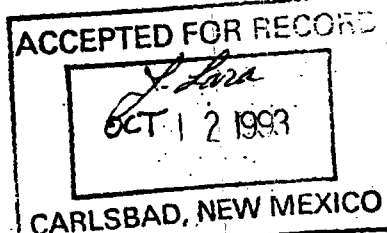
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

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

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

Waiting on completion unit.



I hereby certify that the foregoing is true and correct

Signed *Rusty Klein*

Title Production Clerk

Date Sept. 16, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

JUL 2 1993

C.I.D.

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

23.

PROPOSED CASING AND CEMENTING

ROSWELL CONTROLLED WATER BASIN

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

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

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

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

No H₂S is expected

Moved loc. to 660' from 330' per BLM on site check RD

IO-1
7-9-93
MCAPI

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

24.

SIGNED

TITLE Landman

DATE 5/7/93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Don Dunton

AREA MANAGER

JUL 1 - 1993

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED

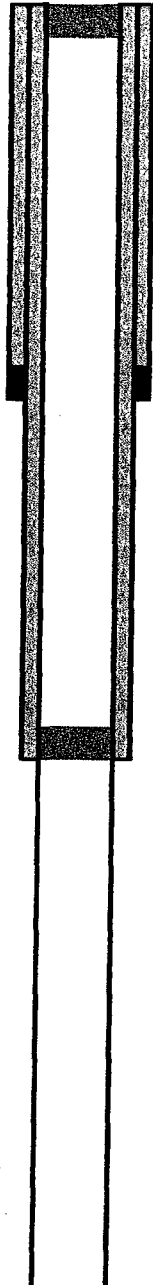
Addisson, A.W.
Brainard #1
Section 5, T-18-S, R-27-E

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

Depth Cmt Vol

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

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



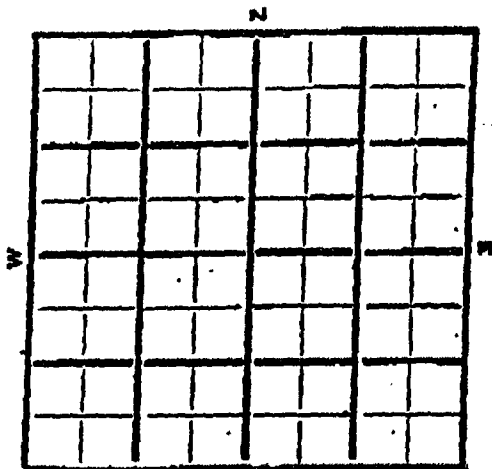
*Cmt Plug Surface 5 sx

*Cmt Plug 1036' 5 sx

Plugs are assumed, not reported

TD: 2,002

SCOUT REPORT NEW MEXICO OIL CONSERVATION COMMISSION



Company A. W. ALLEN *Adkinson*
 Farm Name Brainerd Well No. _____
 Land Classification Government
 Sec. 5 Twp. 18 Range 27 County Edg
 Feet from Line: N. 330 S. 1650 E.
 Elevation 3469 Method Cal
 Contractor _____ Scout _____
 Spudded 8-27-32 Completed _____ Initial Production _____
 Bond Status _____

Amount Casing and Cementing Record

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

Tubing Record

Packer _____

ACID RECORD

Cal.

Top Pay

TD

TA

TX

RX

TR

TY

TBL

TWL

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarts

From

To

S/

S/

S/

S/

S/

S/

DATE		DATE	
7-19-33	Location	11-21	T.D. 979 RB
7-26	"		S.D. Orders
8-2	"	11-29	S.D. Orders 979 RB
8-9	"	12-13	1042 L
8-16	"		1238 S
8-23	"		9/0 1238
8-30	"	12-20	Tatg rmps. S.D. 1242
9-7	"	12-28	1250 L tatg - rmpd 5 BO &
9-12	"		IB shut wtr may deepen
9-19			S.D.O.
9-26		1-4-39	
10-4		1-10	
10-11	240 Cal	1-17	
10-18	No report	1-24	1254 L
10-25	T.D. 825 RB	1-31	1355 L
	S.D. Orders	2-7	T.D. 1320 L
11-1			S.D. Orders
11-8		2-14	1366 A & L
11-15	T.D. 922 R & G	2-21	1400 L
	8" @ 906	2-28	1438 A & L
	Prep to Underream		

[illegible]

petroROM Well Report
 Copyright 1995 by Petroleum Information Corporation
 General Information

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

Producing Formation:

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

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

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

Latitude & Longitude Source: USGS

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

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

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

Test Type Form	Top	Base	Hydrostatic		Flowing		Shut In		Open	Cush
			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 -----

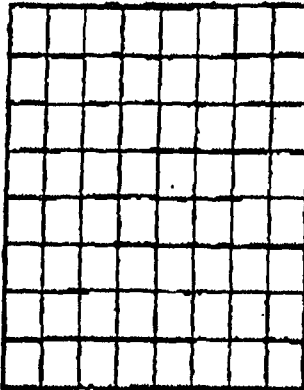
----- Drilling Narrative -----

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

Form 9-522

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 054448 (C)

LEASE OR PERMIT TO PRODUCE _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Albert W. Adkins Address East North, TexasLessor or Trust _____ Field Greaser State New MexicoWell No. 1 Sec. 5 T. 19S R. 3E Meridian N.M.P. County BlairLocation 330 ft. S. of _____ Line and 1250 ft. E. of _____ Line of _____ Elevation 3489

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

Signed Edwin Harrington
Date Sept 24, 1939 Title Agent

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

Commenced drilling Sept 30, 1939 Finished drilling April 27, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

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

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

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

No. 2, from 971 to 1011 weight of sand per ft. 1825 lb. upon 1 sq ft. No. 4, from _____ to _____

CASING RECORD

Run number	Weight per foot	Threads per foot	Make	Amount	Kind of steel	Casing pulled from	Purposes	
							From-	To-
10	40	8	625	1000	Steel			
HISTORY OF OIL OR GAS WELL								

MUDGING AND CEMENTING RECORD

Run number	Where set	Kind and grade of cement	Method used	Kind of mud	Amount of mud used
10	525	None	plug system		2 tons of clay
51	1036	None	plug system		2 tons of clay
					1,000 of sand

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

FOLD MARK

JUL-11-1997 11:09 FROM BUREAU OF LAND MANAGEMENT TO 85257469872 P.01

Bar Marlow

L. W. Adkinson, Operator

Brentwood Lease

Well #1 (hole)

Location: Center of S $\frac{1}{4}$
of S $\frac{1}{4}$ of S $\frac{1}{4}$ of Sec. 8
R-27-E, T-12-S

Elev. 3477'

0

20 Lime
 23 Shale
 26 Lime
 90 Red Shale
 100 lime & Anhy. water
 139 lime & gyp. HFV
 176 Anhy. & gyp
 183 Blue shale
 213 gyp
 299 lime & anhydrite
 301 anhy. & gyp
 315 lime & anhydrite
 318 shale & anhydrite
 325 lime, hard
 346 gyp
 395 anhy., hard
 430 gyp & anhy.
 435 lime & red bed
 453 anhydrite
 538 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
 753 sandy shale & gyp
 813 red shale & gyp
 819 red shale
 873 red shale & gyp
 903 anhydrite
 913 red sand (started underdigging 8")
 932 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
 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
 1425 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 anhy. in last ft.
 1521 lime-anhy.
 1541 lime
 1546 lime-anhy.
 1560 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. Int

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
 533 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
 713 gyp, broken
 725 blue sandy shale
 733 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
~~1061 lime~~
 1082 lime
 1100 red rock & lime
 1107 lime & anhydrite
 1123 lime
 1133 sandy lime
 1142 sand
 1149 sand & gyp
 1159 sandy lime & gyp
 1175 lime & red rock
 1198 lime
 1204 lime & red rock
 1225 lime, hard
 1237 sandy lime
 1237 lime, hard
 1239 sand, soup of oil & water
 1240 lime shell
 1242 sand, lite oil show
 1244 lime
 (1241 to 1243 bailed water)
 1244 sandy lime
 1248 lime
 1250 sandy lime
 1253 sandy lime
 1260 lime, hard
 1264 sandy lime
 1267 sand
 1268 lime sand

1437 lime-anhydrite
 1445 blue lime
 1450 crystallite lime
 1471 lime
 1477 lime anhydrite
 1502 grey lime
 1577 grey lime-little anhy. in last ft.
 1581 lime-anhy.
 1541 lime
 1546 lime-anhy.
 1580 lime-small amount of gas
 1613 mixed lime
 1655 lime
 1659 lime (very hard)
 1712 lime
 1720 sandy lime
 1723 lime-hard
 1897 lime
 (At 1890 bailed hole 35 inches oil & water)
 1943 lime (April 25, 1959 drilling ahead)
 1959 lime
 1972 sandy lime
 1983 lime
 2002 lime R.D. - Dry

T. D. Ditt

Pipe: 8 1/2" set at 1015' 2"
 8 1/2" underreamed 1033'
 10" set at 625'
 (put heavy mud back of pipe)
 Also 1000' of aquagel

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
50' FSL & 1930' FWL, Unit N, Sec. 5-18S-27E

5. Lease Designation and Serial No.

NM-7714

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

West Red Lake Unit 8910089700

8. Well Name and No.

West Red Lake Unit #60

9. API Well No.

30-015-28781

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

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

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

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

Administrative Order #WFX-726

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

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

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

Prod 3-6-98
Diana Keys

Title Engineering Technician

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

ORIGINAL FILED IN 1716-1788

DELM

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 on 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)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Otherb TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other

2 NAME OF OPERATOR

DEVON ENERGY CORPORATION (NEVADA)

3. ADDRESS AND TELEPHONE NO.

20 N. BROADWAY, SUITE 1500, OKC, OK 73102-8260 (405) 235-3611

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 840' FSL & 1750' FWL

At top prod. interval reported below (SAME)

At total depth (SAME)

5. LEASE DESIGNATION AND SERIAL NO.
NM-NM-77146. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A7. UNIT AGREEMENT NAME
West Red Lake 89100897008. FARM OR LEASE NAME, WELL NO.
West Red Lake Unit #449. API WELL NO.
30-015-2844410. 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 ACCEPTED FOR RECORD JAN 22 1996	24. ROTARY TOOLS X	25. CABLE TOOLS
------------------------------------	--	---	---	-----------------------	-----------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1599-2025' San Andres25. WAS DIRECTIONAL SURVEY
MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterolog/MSFL, Litho-Density/Compensated Neutron and Cement Bond logs

27. WAS WELL CORED
NO

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

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

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD	SIZE	DEPTH SET (MD)	PACKER SET (MD)
						2 7/8"	2109'	

31. PERFORATION RECORD (Interval, size and number)

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

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

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

33.* PRODUCTION

DATE FIRST PRODUCTION 10/30/95	PRODUCTIONS METHOD 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	CHOKE 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 SvcsTEST WITNESSED BY
Danny Hokett

35. LIST OF ATTACHMENTS

logs and deviation survey report

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

SIGNED E. L. Buttross Jr.E. L. BUTTROSS, JR.
TITLE DISTRICT ENGINEER

DATED December 20, 1995

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil & Gas Division
311 S. 1st St.
Alamogordo, NM 88210-2834

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) 235-3611

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

840' FSL & 1750' of Section 5-T18S-R27E

5. Lease Designation and Serial No.

NM-7714

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

West Red Lake

8. Well Name and No.

West Red Lake Unit #44

9. API Well No.

30-015-28444

10. Field and Pool, or Exploratory Area

Red Lake; Q-GB-SA

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

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

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

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

Per Administrative Order No. WFX-726

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

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

Signed Marie Ozment

Marie Ozment

Title Engineering Technician

Date February 23, 1990

(This space for Federal or State office use)

ORIG. SGD.) DAVID R. GLASS

PETROLEUM ENGINEER

Approved by

Title

Date MAR 03 1990

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. Division
311 S. 1st St
Albuquerque, NM 88210-2834FORM 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) 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

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
- Recompletion
-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☐
- Other _____

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

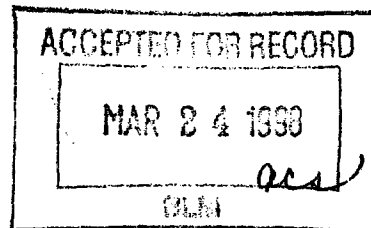
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Administrative Order WFX-726

Work began 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



I hereby certify that the foregoing is true and correct

Signed

Diana Keys

Title Engineering Technician

Date 3/16/98

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

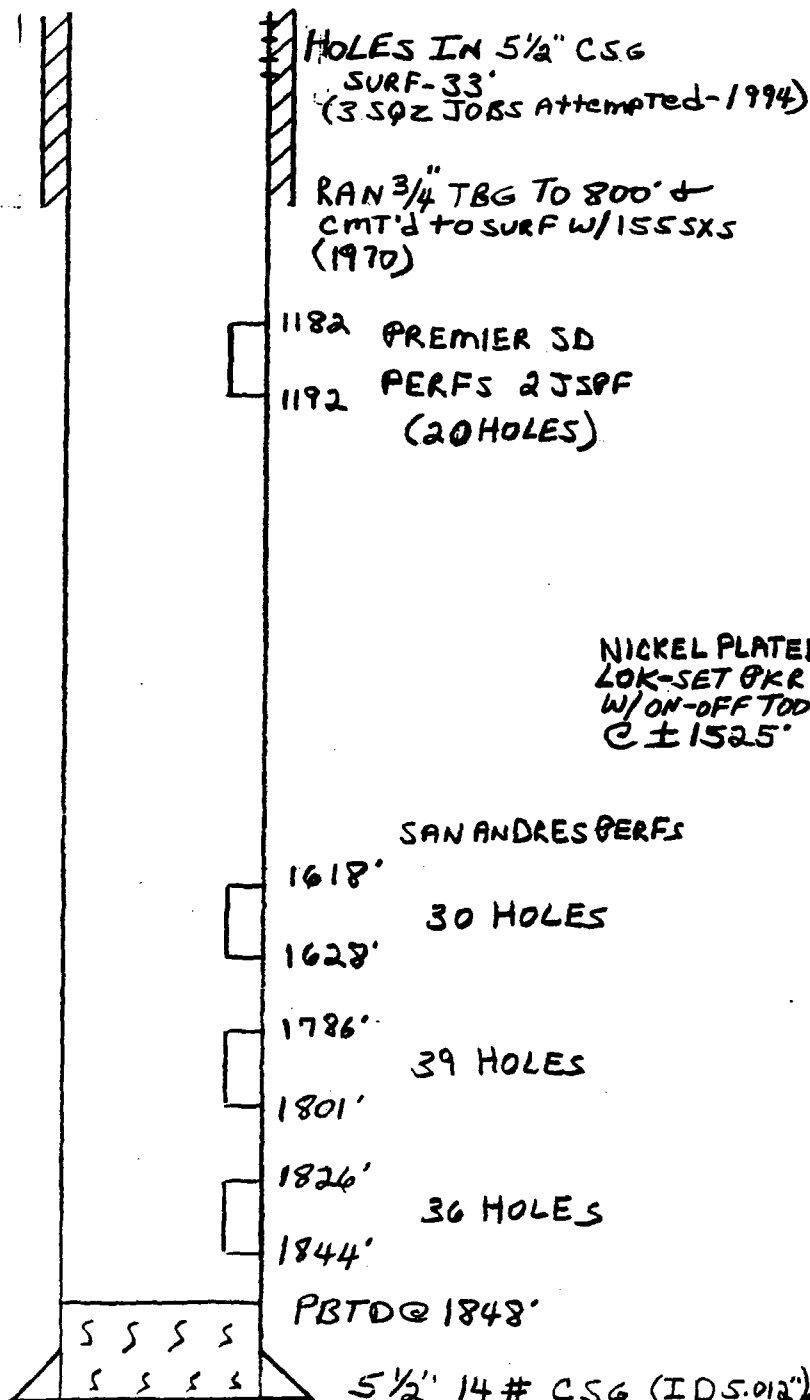
Title _____

Date _____

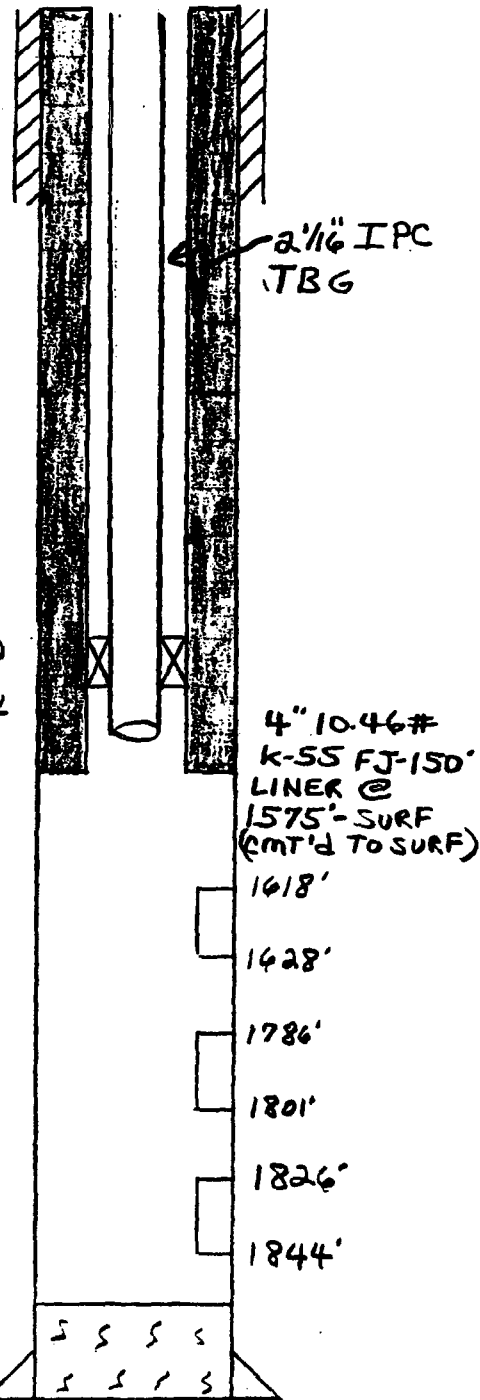
SUBJECT: WELLBORE SCHEMATIC
WEST RED LAKE UNIT #17
990' FSL & 330' FWL, Sec. 5, T18S, R27E

DATE 2/10/95 BY ELB

PRESENT



PROPOSED



5 1/2" 14# CSG (IDS.012")
 SET @ 1856'
 CMT'd W/200 SX5
 TOC @ 968' (CALC.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONS COMM
Drawer DD
Artesia, NM 88210FORM 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

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

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other Cement 4" liner inside 5 1/2" csg

- ☐ 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.)*

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), 1 gal/sx D-604AM (Gas Blok), .03 gal/sx M-45 (Defoamer); mixed at 13.5 ppg, yield 1.90 cf/sx.

Displaced w/17.8 BFW. Bumped plug, float held. Circ'd 44 sx cement to surf.

Drld FC, FS, CIBP and pushed CIBP to PBTD at 1848'.

Circ'd packer fluid. Set 4" AD-1 packer at 1527' on 46 jts 2 1/16" plastic coated tbg.

3-18-95 Ran Mechanical Integrity Test by pressuring to 500 psi, held 30 mins, tested OK. Chart of test 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 CONSERVATION DIV.
DIST. 2

I hereby certify that the foregoing is true and correct

Signed Linda Diepenbrock
in his space for Federal or State office use)LINDA DIEPENBROCK
ENGINEERING TECHNICIANDate 4/3/95proved by _____
conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

J. Lara
- 4 1995

Date _____

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

e 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 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>

12/20/2004

devon

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

FAX

To: NMOCD

From: Meg Muhlinghouse

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 Muhlinghouse
Meg Muhlinghouse

Land Advisor

Devon Energy Corporation

20 North Broadway

Oklahoma City, OK 73102

Phone: (405) 228-4416

Fax: (405) 552-8113

meg.muhlinghouse@devn.com

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



2004 DEC 20 PM 2 24

Meg Muhlinghouse
Land Advisor

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

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, Glorietta 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
Land Advisor

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

CHALK BLUFF Field #1
30-15-00789
→ no well logs
north of Reef
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).

Wells to 24/17

WATER ANALYSIS REPORT

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. CaCO₃ Saturation Index 0.00 F. 10.057 - Calcium Carb. 0.140 F. +1.157

Dissolved Gases

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

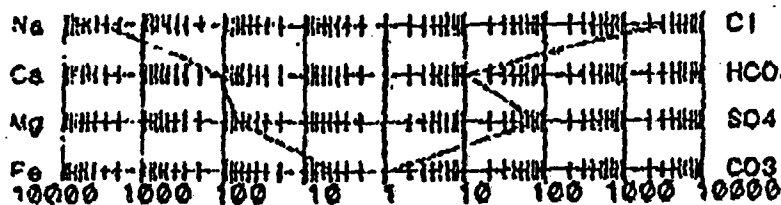
Cations

7. Calcium (Ca++) 2,180 / 20.1 = 108.48
8. Magnesium (Mg++) 794 / 12.2 = 65.08
9. Sodium (Na+) (Calculated) 74,588 / 23.0 = 3,242.87
10. Barium (Ba++) Not Determined

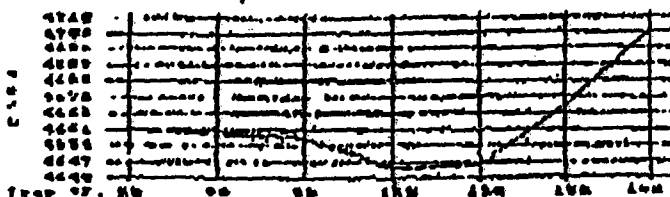
Anions

11. Hydroxyl (OH-) 0 / 17.0 = 0.00
12. Carbonate (CO₃++) 0 / 30.0 = 0.00
13. Bicarbonate (HCO₃+) 588 / 61.1 = 9.62
14. Sulfate (SO₄++) 3,000 / 48.8 = 79.92
15. Chloride (Cl-) 117,973 / 35.5 = 3,323.18
16. Total Dissolved Solids 200,010
17. Total Iron (Fe) 69 / 18.2 = 3.76
18. Total Hardness as CaCO₃ 8,712
19. Resistivity @ 75 F. (Calculated) 0.001 / cm.

LOGARITHMIC WATER PATTERN



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION			
COMPOUND	EQ. WT. X	*meq/L =	mg/L.
Ca(HCO ₃) ₂	81.04	9.69	777
CaSO ₄	68.07	79.92	5,440
CaCl ₂	55.60	18.95	1,052
Mg(HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.18	0.00	0
MgCl ₂	47.62	65.08	3,099
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	3,239.15	189,381

*Milli Equivalents per Liter

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

B J Services Water Analysis

Artesia District Laboratory
(505)-746-3140

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

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

CATIONS	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

ANIONS	mg/l	me/l	ppm
Chloride	93000	2623.4	83036
Sulfate	1071	22.3	957
Carbonate	< 1	----	----
Bicarbonate	878	14.4	784
Total Dissolved Solids(calc.)	154120		137607
Total Hardness as CaCO ₃	14014	280.0	12513

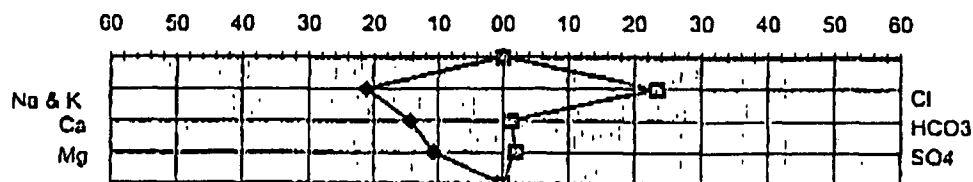
COMMENTS:

Rw= 0.0847@61.1 deg.

SCALE ANALYSIS:

CaCO ₃ Factor	2817907	Calcium Carbonate Scale Probability→	Probable
CaSO ₄ Factor	3849600	Calcium Sulfate Scale Probability →	Remote

Stiff Plot



Pro-Kem, Inc.

WATER ANALYSIS REPORT

SAMPLE

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

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

ANALYSIS

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

Dissolved Gasses

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

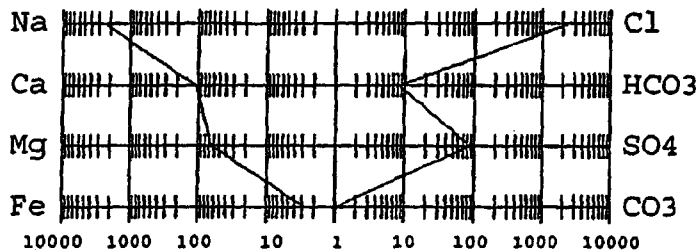
Cations

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

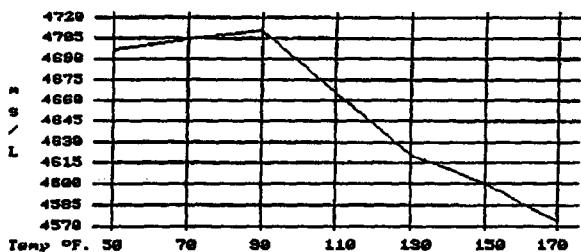
Anions

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

LOGARITHMIC WATER PATTERN *meq/L.



Calcium Sulfate Solubility Profile



COMPOUND	EQ. WT.	X	*meq/L = mg/L.
Ca(HCO ₃) ₂	81.04	7.91	641
CaSO ₄	68.07	81.97	5,580
CaCl ₂	55.50	14.56	808
Mg(HCO ₃) ₂	73.17	0.00	0
MgSO ₄	60.19	0.00	0
MgCL ₂	47.62	61.64	2,935
NaHCO ₃	84.00	0.00	0
NaSO ₄	71.03	0.00	0
NaCl	58.46	2,373.95	138,781

*Milli Equivalents per Liter

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

Notification:

½ Mile Radius of Review Offset Operators

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

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

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

Gruy Petroleum
814 W. Marland
Hobbs, New Mexico 88240

Surface Owner:

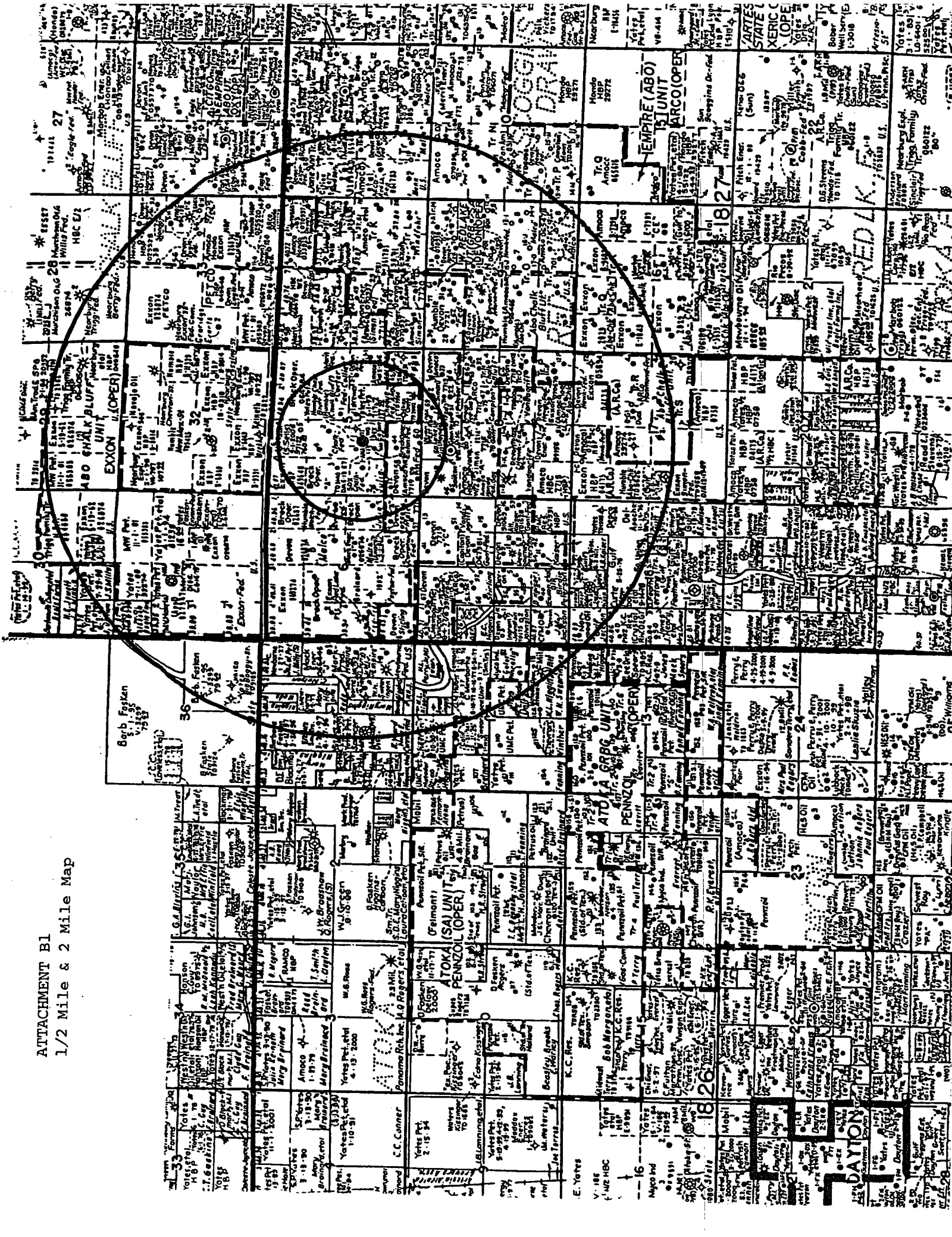
Bureau of Land Management
2909 W. 2nd St
Roswell, New Mexico 88201

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

11/2/2004

Kay Maddox

1/2 Mile & 2 Mile Map



7099 3220 0005 7557 4841

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)		
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) <i>Yates Petroleum</i>		
Street, Apt. No., or PO Box No. <i>105 S 4th</i>		
City, State, ZIP+4 <i>Artesia, NM 88210</i>		
PS Form 3800, July 1999 See Reverse for Instructions		

7099 3220 0005 7557 4858

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)		
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) <i>Petroleum Corp</i>		
Street, Apt. No., or PO Box No. <i>3811 Tuttle Creek #350</i>		
City, State, ZIP+4 <i>Dallas, TX 75219</i>		
PS Form 3800, July 1999 See Reverse for Instructions		

7099 3220 0005 7557 4834

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)		
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) <i>Quay Petroleum</i>		
Street, Apt. No., or PO Box No. <i>814 W Marland</i>		
City, State, ZIP+4 <i>Hobbs, NM 88240</i>		
PS Form 3800, July 1999 See Reverse for Instructions		

7099 3220 0005 7557 4865

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)		
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) <i>Devon Oil Co.</i>		
Street, Apt. No., or PO Box No. <i>26 N Broadway, STE 1500</i>		
City, State, ZIP+4 <i>Oklahoma City, OK 73102</i>		
PS Form 3800, July 1999 See Reverse for Instructions		

Affidavit of Publication

NO. 18655

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

Baile R. B. B. B.

Notary Public, Eddy County, New Mexico

My Commission expires September : 23, 2007

Copy of Publication:

Notice of Application for Fluid Injection Well Permit

SDX Resources, Inc.,
511 W. Ohio St., Suite
601, PO Box 5061 Mid-
land, TX 79704,
Contact: Chuck Morgan
(432) 685-1761 is seek-
ing administrative ap-
proval 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, lo-
cated in Eddy County,
Unit Ltr K, Section 5,
T-18-S, R-27-E, with per-
forations from
1570-3155'. The pro-
posed injection zone is
the San Andres-Yeso for-
mation. SDX Resources,
Inc intends to inject a
maximum injection pres-
sure of 320#. Interested
parties must file objec-
tions or request for hear-
ing with the New Mexico
Oil Conservation
Division, 1220 S. Saint
Francis Dr., Santa Fe,
New Mexico 87504
within 15 days of this no-
tice.

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

REC 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.

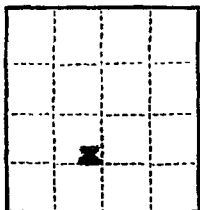
Sincerely,

/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 Bureau
Lease No. 221726
Unit Sec. 5, T-12S, 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 DRAIN UNIT

April 10, 1956

Well No. 1 is located 2055 ft. from S line and 1900 ft. from W line of sec. 5

NE 1/4 of Sec. 5 T-12-S R-37E Meridian
(Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Chalk Bluff Drain Unit Idaho New Mexico
(Name) (County or Subdivision) (State or Territory)

(See location map)
The elevation of the derrick floor above sea level is 3512 ft.

DETAILS OF WORK

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

Run and set 226 joints 5-1/2" casing, 9425.30' set at 9500' with HIGGINS 2-stage tool, at 5703', cemented 1st stage with 135 cu. regular 12 1/2 gal and 1/2" HW per cu. cement and 100 cu. most Trinity Inferno 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 1/2 gal cement w/1/2" HW per cu. and 100 cu. most Trinity Inferno cement. Plug in place at 8:30 A. M. 4-4-56. Cement circulated. 4-5-56 tested casing and BOP with 1000# for 30 minutes. No drop in pressure. Drilled HW tool at 5703'. Tested with 1000#. 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 Shuttle Oil & Refining Company

Address Box 2347, Hobbs, N. M.

By [Signature]

Title Agent



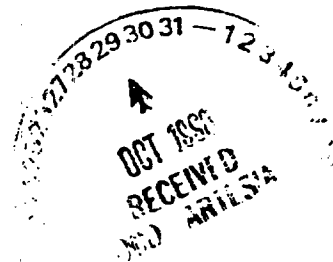
NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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. Smith
#1-12-1

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 / *by MJS*

Lori Wrotenbery
Director

LS/BES/kv

cc: Oil Conservation Division - Artesia
SWD-677