



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

September 11, 1996

**SDX Resources, Inc.**  
**P. O. Box 5061**  
**Midland, Texas 79704**  
**Attention: Chuck Morgan**

***Administrative Order DD-152(NSBHL)***

Dear Mr. Morgan:

Reference is made to SDX Resources, Inc.'s ("SDX") application dated June 19, 1996, a letter from Michael E. Stogner of the Santa Fe office of the Division requesting additional data, and to SDX Resources, Inc.'s response by letter dated August 23, 1996 with attachments, all pertaining to a request for authorization to re-enter the previously plugged and abandoned Mescalero Federal Well No. 1 (API No. 30-005-21052) and recompleat by side tracking off of the vertical portion of the wellbore and directionally drill to a pre-determined unorthodox bottom-hole oil well location in order to more thoroughly test the Graham Springs-Devonian Pool underlying the standard 40-acre oil spacing and proration unit comprising the SE/4 NW/4 (Unit F) of Section 11, Township 12 South, Range 30 East, NMPM, Chaves County, New Mexico.

**The Division Director Finds That:**

- (1) The application has been duly filed under the provisions of:
  - (a) Rule 111(D) and (E) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995; and,
  - (b) Rule 104.F of said Division general rules, revised by Division Order No. R-10533, issued by the Oil Conservation Commission in Case 11,351 on January 18, 1996;
- (2) The Mescalero Federal Well No. 1, located at a standard surface oil well location 1980 feet from the North and West lines (Unit F) of said Section 11, was originally

The purpose of this order is to establish the procedures for the... (text is mirrored and difficult to read)

It is the policy of the Department to ensure that all... (text is mirrored and difficult to read)

The following procedures shall apply to all... (text is mirrored and difficult to read)

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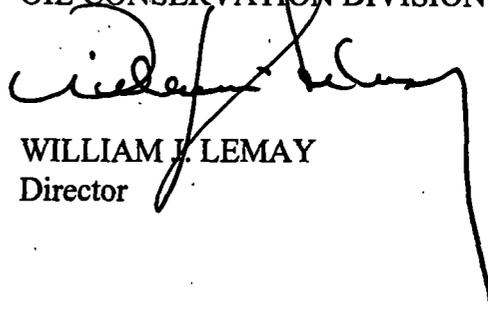
The following procedures shall apply to all... (text is mirrored and difficult to read)

Administrative Order DD-152(NSBHL)  
SDX Resources, Inc.  
September 11, 1996  
Page 4

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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read "William J. Lemay", is written over the typed name and title. The signature is fluid and cursive, with a long, sweeping tail that extends downwards and to the right.

WILLIAM J. LEMAY  
Director

WJL/MES/kv

cc: Oil Conservation Division - Artesia  
U. S. Bureau of Land Management - Roswell

DD-SDX

Rec: 6-21-96

Susp: 7-11-96

Revised: 9-11-96

September 11, 1996

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

**Attention: Chuck Morgan**

152

**Administrative Order DD-\*\*\*\*\* (NSBHL)**

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  - (b) Rule 104.F of said Division general rules, revised by Division Order No. R-10533, issued by the Oil Conservation Commission in Case 11,351 on January 18, 1996;
- (2) The Mescalero Federal Well No. 1, located at a standard surface oil well location 1980 feet from the North and West lines (Unit F) of said Section 11, was originally drilled by Conoco, Inc. to a total depth of 10,554 feet to test the

Devonian formation in 1986; this well was determined to be dry and was subsequently plugged and abandoned;

- (3) The Graham Springs-Devonian Pool is subject to the statewide rules and regulations for oil wells, as promulgated by Rule 104.C(1), which provides for 40-acre oil spacing and proration units and requires that wells be located no closer than 330 feet to any boundary of such tract;
- (4) The applicant/operator proposes to re-enter the subject wellbore and recomplate by cleaning out the openhole interval below the 9-5/8 inch intermediate casing string to a depth of approximately 9450 feet, kick-off from vertical at a depth of approximately 9,350 feet, drill in a north-northwesterly direction, build to an angle of approximately 49.2 degrees and continue drilling in such a manner as to bottom back into the Devonian formation, with total horizontal displacement of said wellbore to be approximately 500 feet;
- (5) The applicable drilling window or "producing area" for said wellbore should include that area within the SE/4 NW/4 (Unit F) of said Section 11 that is no closer than 142 feet from the northern boundary of the subject 40-acre standard oil spacing and proration unit comprising the SE/4 NW/4 of said Section 11 nor closer than 330 feet to either the eastern, southern, and western boundaries of said 40-acre tract;
- (6) By recomplateing this well approximately 500 to the north of its original location the applicant anticipates a 30 feet structural advantage on the small localized feature which exists within the subject 40-acre tract, thereby providing SDX the opportunity to increase ultimate recovery of oil from said unit; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E and 104.F(2), the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, SDX Resources, Inc.'s ("SDX"), is hereby authorized to re-enter the previously plugged and abandoned Mescalero Federal Well No. 1 (API No. 30-005-21052), located at a standard surface oil well location 1980 feet from the North and West lines (Unit F) of said Section 11, Township 12 South, Range 30 East, NMPM, Chaves County, New Mexico, and recomplate by cleaning out the openhole interval below the 9-5/8 inch intermediate casing string to a depth of approximately 9450 feet, kick-off from vertical at a depth of approximately 9,350 feet, drill in a north-northwesterly direction, build to an angle of approximately 49.2 degrees and continue drilling in such a manner as to bottom back into the Graham Springs-Devonian Pool at a sub-surface location considered to be "unorthodox", with total horizontal

displacement of said wellbore to be approximately 500 feet;

PROVIDED HOWEVER THAT prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED FURTHER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Artesia district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Artesia offices of the Division upon completion.

(3) The SE/4 NW/4 (Unit F) of said Section 11 shall be dedicated to said well to form a standard 40-acre oil spacing and proration unit for the Graham Springs-Devonian Pool.

(4) The applicable drilling window or "producing area" for said wellbore should include that area within the SE/4 NW/4 (Unit F) of said Section 11 that is no closer than 142 feet from the northern boundary of the subject 40-acre standard oil spacing and proration unit comprising the SE/4 NW/4 of said Section 11 nor closer than 330 feet to either the eastern, southern, and western boundaries of said 40-acre tract;

(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.

(6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

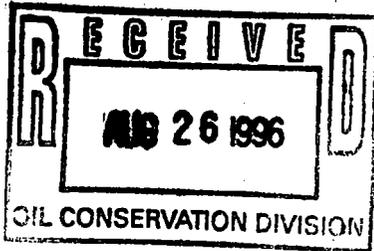
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director

WJL/MES/kv

cc: Oil Conservation Division - Artesia  
U. S. Bureau of Land Management - Roswell



SDX RESOURCES, INC.

P.O. BOX 5061  
MIDLAND, TEXAS 79704  
(915) 685-1761

August 23, 1996

New Mexico Oil Conservation Division  
2040 S Pacheco St  
Santa Fe, New Mexico 87505

Attention: Michael E. Stogner

Re: Mescalero Federal #1  
30-005-21052  
1980' FNL & 1980' FWL  
F, Sec 11, T12S, R30E  
Chaves Co., NM

Mr. Stogner:

This is in response to your letter dated August 19, 1996 requesting additional information for our application for unorthodox location on the above referenced well.

Enclosed are the following exhibits to be included with our original application.

- A. Approved APD from the BLM.
- B. Surveyor's plat.
- C. Land map with location marked.
- D. Drilling procedure.
- E. Present wellbore and data.
- F. Directional survey.
- G. Geological summary.
- H. Seismic overview.

If we can be of further assistance, please let us know.

Sincerely,

A handwritten signature in cursive script that reads "Bonnie Atwater".

Bonnie Atwater  
Regulatory Assistant

CM:bj

attachments

SDX RESOURCES, INC.

P.O. BOX 5061

MIDLAND, TEXAS 79704

(915) 685-1761

June 19, 1996

Oil Conservation Commission  
2040 S. Pacheco  
Santa Fe, NM 87505

Attention: Michael Stogner

Re: Non Standard Location  
Mescalero Federal #1  
1980 FNL 1980 FWL (Surf)  
1480 FNL 1846 FWL (BHL)  
Unit F, Sec 11, 12S, 30E  
Chaves Co., NM

Mr. Stogner:

SDX Resources, Inc. respectively requests administrative approval for the above captioned lease. A complete copy of the Application to Drill (re-entry) is enclosed.

We are proposing this location to recover reserves that would otherwise not be recovered.

No offset operators are affected as SDX owns all contiguous acreage and the Working Interest and Mineral Interest owners in this area are identical.

If additional information is needed, please advise.

Sincerely,



Chuck Morgan  
Engineer

CM:bj

attachments

cc: OCD/Artesia  
BLM/Carlsbad

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*Original APD  
Approved 1/12/96 BY*

5. LEASE DESIGNATION AND SERIAL NO.  
NM 60052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
Mescalero Federal #1

9. AHWELL NO.  
30-005-21052

10. FIELD AND POOL, OR WILDCAT  
Graham Springs Devonian

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Unit F  
Sec 11, T12S, R30E

12. COUNTY OR PARISH  
Chaves

18. STATE  
NM

22. APPROX. DATE WORK WILL START\*  
July 15, 1996

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK *Change in procedures & bottom hole location*  
DRILL  DEEPEN  RE-ENTER

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

2. NAME OF OPERATOR  
SDX Resources, Inc.

3. ADDRESS AND TELEPHONE NO.  
PO Box 5061, Midland TX 79704

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1980' FNL & 1980' FWL  
At proposed prod. zone  
1480' FNL & 1846' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
28 miles NE of Dexter, NM

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1480' (160')

16. NO. OF ACRES IN LEASE  
640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, 990' Surf Loc OR APPLIED FOR, ON THIS LEASE, FT. \*\* 508' Btm Loc

19. PROPOSED DEPTH  
10,202'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4003' GL

22. APPROX. DATE WORK WILL START\*  
July 15, 1996

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	NA 13-3/8"	48#	429'	350 SX
12-1/4"	K-55, 9-5/8"	36#	4300'	2113 SX
8-3/4-7-7/8"	N80&K55, 5-1/2"	17#	10100'	500 SX

It is proposed to re-enter this well. See attached procedure.

- Attachments: Planned Procedure  
Supplemental Drilling & Directional Data  
Surface Use & Operations Plan on file & approved 1-12-96.  
H2S Plan  
BOP Sketch

\*\*Culp Ranch #1 is permanently abandoned in the Devonian & is being held for possible salt water disposal well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 *Chuck Morgan* TITLE Chuck Morgan Engineer APPROVED PETER W. CHESTER DATE May 23, 1996

APPROVED  
PETER W. CHESTER  
JUN 6 1996

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY: SUBJECT TO LIKE APPROVAL BY STATE *NMOC approved needed for unorthodox location*

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

RECEIVED  
MAY 31 12 12 PM '96  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Form C-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 30-005-21052		2 Pool Code 28410		3 Pool Name Graham Springs, Devonian	
4 Property Code 18291		5 Property Name Mescalero Federal			6 Well Number 311213
7 OGRID No. 020451		8 Operator Name SDX Resources, Inc.			9 Elevation 4003' GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1980	North	1980	West	Chaves

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1480	North	1846	West	Chaves

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p><i>Chuck Morgan</i>          Signature          Chuck Morgan          Printed Name          Engineer          Title          May 23, 1996          Date</p>	
	<p>18 SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey          Signature and Seal of Professional Surveyer:</p>	
	<p>Certificate Number</p>	



SDX RESOURCES, INC.  
Mescalero Federal #1  
1980' FNL & 1980' FWL  
Sec. 11, T12S, R30E  
Chaves Co., NM

Casing - 13-3/8" 48#/ft @ 429', cemented w/350 sxs, circ.  
9-5/8" 36#/ft @ 4300', cemented w/2113 sxs, circ.  
8-3/4" hole to 10,259'

Plugs - 85 sxs Cl H @ 7670'-7470'  
105 sxs Cl H @ 4375 -4225'  
45 sxs Cl H @ 1675'-1575'  
45 sxs Cl H @ 833'- 733'  
20 sxs Cl H @ 50'- 0'

PROCEDURE

- 1) Dig out old cellar & remove marker. Strip out 13-3/8" stub. Weld 9-5/8" 36# stub onto 9-5/8" casing. Weld on flange. Back fill if necessary.
- 2) Repair location & dig pits. Line reserve pit (and working pits if not steel).
- 3) MIRU rig. Drill out cement plugs w/8-3/4" bit & 10# brine to 9450'. Set cement plug Cl H 9450'-9250' and dress off top of plug to good hard cement. Drill to KOP of 9350'.
- 4) TIH w/steering assembly and motors w/7-7/8" bit. Kick off N 81 deg W following horizontal plan. Drilling fluid will be salt water gel w/3%-5% oil.
- 5) RU mud logger at 9350'.
- 6) T.D. well in top 5' of Devonian and run open hole logs. Run Halliburton DST tool and test zone.
- 7) Run 5-1/2" casing to T.D. and cement to 8000'.

CM/jdc  
5/01/96

DATE 5-9-88

PRESENT  
WELL DATA SHEET

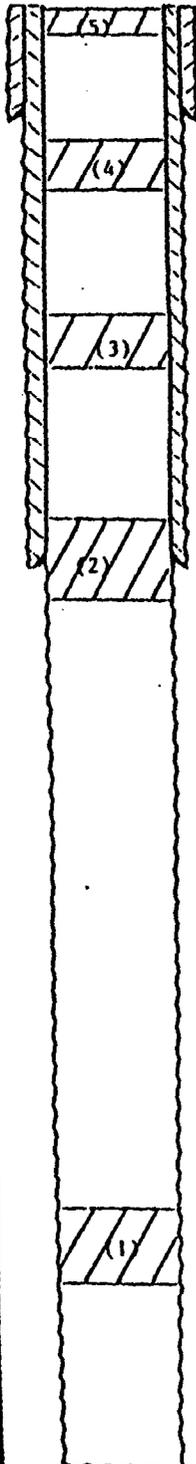
Lense Mescalero Federal Well No. 1

Location 1980' FNL & 1980' FWL, Sec. 11, T-12-S, R-30-E (F) County Chaves State New Mexico

K.B. Elev. 4022'  
G.L. Elev. 4003'  
D.F. Elev. 4021'

Date Plugged 3-22-86  
Formation(s) All zones non-commercial.

The primary objective was the Devonian.



Cut 13-3/8" & 9-5/8" csg off 4' below Gl. Weld plate on 13-3/8" & install marker.  
Gr. N.A. Thd. ST&C  
Set @ 429'  
w/ 350 Skts.  
Hole Size 16"  
Cement circulated.  
Tested csg to 600#  
Held O.K.

3-22-86

Set Cmt Plugs Set as Follows:

- (1) Set 85 sx "H" cmt plug from 7670' - 7470'
- (2) Set 105 sx "H" cmt plug from 4375' - 4225'. Found top w/wire line at 4231'
- (3) Set 45 sx "H" cmt plug from 1675' - 1575'
- (4) Set 45 sx "H" plug from 833' - 733'
- (5) Set 20 sx "H" plug from 50' - 0'

9-5/8" 36  
Gr. K-55 Thd. LT&C  
Set @ 4300  
w/ 2113 Skts.  
Hole Size 12-1/4"  
Cement circulated.  
Tested csg to 1040#  
Held O.K.

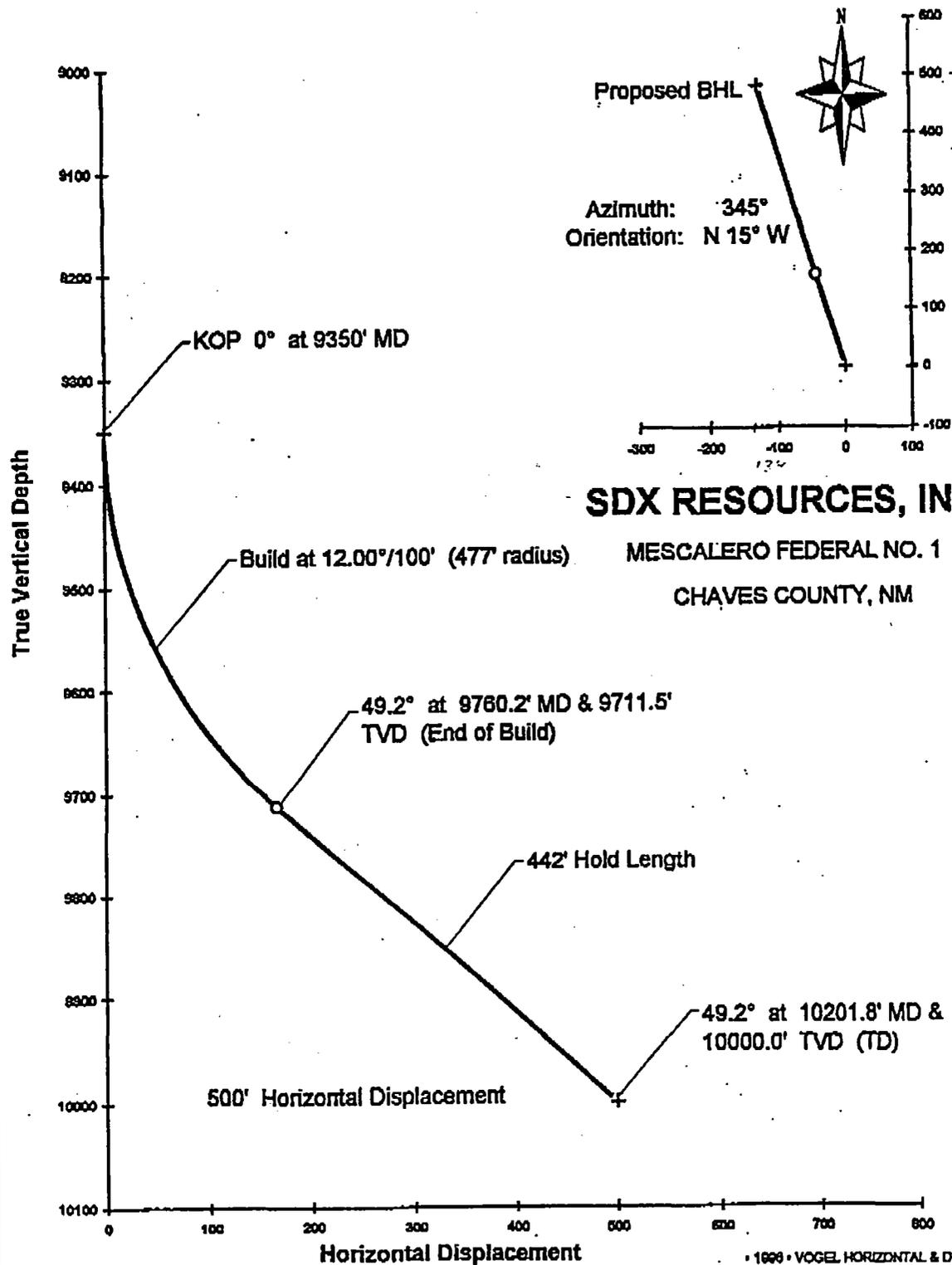
DST Results

UNDESIGNATED - DEVONIAN - CHAVES COUNTY, NEW MEXICO - 1.000000  
API NUMBER: 30-005-21012 AFE NUMBER: 40-70-4765  
D & T Mescalero 11 NO. 1 - OBJECTIVE: 10,700' DEVONIAN  
LOCATION: 1980' FNL & 1980' FWL OF SECTION 11, T-218, R-30E  
TD: 10,334' FSTO; NA RMT; NA CLV; NA DATE SPON: 1/14/86  
RIG BFL: 3/22/86 COMPLETED: P&A FORMATIONS: DEVONIAN PERMS;  
MHE WORK DONE: Ran 13 jts 13-3/8" surface csg. BU Dwell.  
Cemented csg w/350 ac class "C" w/41 gal. Returns to surface.  
Tested to 600 psi w/no leaks. BU Schlumberger. Logged well  
w/CR-MIL-MFL-CAL & MCT-LDT-FML-FDC from 4296'-1500' (GR-CAL to  
500'). 2nd run w/CR-LSS from 4296'-1200'. Ran 103 jts 9-5/8",  
36", K-55 LT&C intermediate csg. BU Dwell. Cmt csg w/163  
class "C" light + 182 gal + 950 ac class "C" + 22 CACL.  
Return to surface. Tested to 1040 psi w/no leaks. BU  
Schlumberger. Logged well w/MIL-MFL-GR-CAL from 10,483'-4300'  
& CHL-LDT-FML-GR-CAL from 10,484'-4300'. 3rd run w/LSS-GR  
from 8970'-4300'. DST #2: Flopetrol-Johnston 10,227'-10,350'.  
Surface performance: Steady increasing flow to 15.32 gal during  
17; increased to 69.65 gal during FF. Drill Pipe Recovery:  
8571' total fluid; slightly oil cut out. Sample chamber  
recovery: Pressure: 40 psi. Gas: 10.01 C.C. Oil: 520  
C.C. Water: 1870 C.C. Mud: 10 Tot. Liq.: 2400 API Gravity:  
39.6 at 60°F at 88°F. Drill Pipe Recovery: 486' gas &  
Scavenger cut drilling fluid; 2.67 bbls. Total fluid sample  
chamber recovery: Pressure: 200 psi DST #3. Baker-Lynee  
Testing 10,259'-10,305'. Surface performance: first flow inc.  
to 1.3 gal; second flow inc. to 31 psi, third flow 21 psi, ran  
nitrogen to blow down drill pipe, ran third flow to get fluid to  
surface-no pressure data. Drill Pipe Recovery: 640' oil, 2694'  
heavy oil cut water; 1300' water. Pit Recovery: 23 00, 113 MW  
Sample Chamber Recovery: Chamber discontinued - not reported.  
Set blanded cut plug from 10,259'-9340' w/410 ac class "H" cut.  
DST #4, no test, pipe failed. DST #5: Flopetrol-Johnston  
9322-9343'. Surface performance: Initial flow inc to 81 psi  
second flow inc from 1.37 psi to 6.07 psi; third flow inc from  
3.47 psi to 3.81 psi. Drill Pipe Recovery: 486' gas &  
scavenger cut drilling fluid; 2.47 bbls total fluid. Sample  
Chamber Recovery: Pressure: 200 psi. All zones non-commercial.  
BU Dwell. Set 85 sx "H" cmt plug from 7670'-7470'. Set 105 sx  
class "H" cmt plug from 4375'-4225'. BU wireline & engaged top  
of cut top at 4231'. Set 45 sx class "H" cmt plug from  
1675'-1575'. Set 45 sx class "H" cmt plug from 833'-733'. Cut  
off 13-3/8" & 9-5/8" csg 4' below Gl. Set 50' class "H" surface  
plug w/20 ac & 11 CACL2. Welded plate onto 11-3/8" csg & placed  
well abandonment marker 4' above Gl.  
Final Report

Top of Devonian 10,259'  
Well P&A. Did not run  
prod. csg.

Hole Size 8-3/4"

**VOGEL HORIZONTAL AND DIRECTIONAL DRILLING**  
 415 WEST WALL ST. MIDLAND TX 79707  
 915-570-4719



**SDX RESOURCES, INC.**

MESCALERO FEDERAL NO. 1  
 CHAVES COUNTY, NM

**GEOLOGICAL SUMMARY  
CULP RANCH DEVONIAN PROSPECT  
CHAVES COUNTY, NEW MEXICO**

Location - 1980' FNL and 1980' FWL of Section 11, Township 12 South, Range 30 East, Chaves County, New Mexico. (640 acres)

Objective - To test Devonian Structure by re-entry of the Conoco Mescalero Fed. #1 with 600' of side track hole.

Elevation - 3422' (KB)

Estimated Reserves -

**OIL BBLs**  
200,000-300,000

Total Depth - 10,250'

Prospect Summary -

The Culp Ranch Devonian Prospect is in section 11, T-12S, R-30-E, approximately 35 miles southeast of Roswell, New Mexico.

Primary objective is Devonian dolomite at an approximate depth of 10,250 feet. Interpretation of 2-D and 3-D seismic combined with good subsurface control indicates the prospect is an elongated north - south faulted anticlinal structure. The reservoir is a tan/white dolomite with extensive fracturing and a strong water drive. Bottom hole pressures are approximately 4000 psig. Regional dip is to the southeast into the Tatum Basin at about 200 feet per mile at Devonian depth. Thus, well control and seismic indicate a 80 to 100 acre Devonian feature with about 200 to 250 feet of structure.

In January, 1986 Conoco drilled the Mescalero Fed. #1 to a total depth of 10,554 feet. This well, the first to be drilled in the area, penetrated the top of the Devonian at a subsea elevation of -6238. Two DST's were run in the Devonian with the second being jetted dry with nitrogen 3 1/2 hours into a third flow period. The well was then allowed to produce for another hour. A flow rate of 1300 barrels of fluid per day, consisting of 250 barrels of oil and 1,050 barrels of water was calculated by Lynes Inc. Conoco found 16 feet of oil column but there was no disposal well and consequently the well was P&A. The oil/water contact in the well is at -6278. In September of 1987, Bell, Foy & Middlebrook (BFM) drilled the Culp Ranch Unit #1 discovery well as a direct offset to Conoco. The well topped the Devonian at a subsea elevation of -6222 feet, 16 feet high to the Mescalero Fed. #1 and was completed open hole from a -6226 to -6256. (TD was 10,288 or 14' above the oil/water contact established in the Conoco Mescalero Fed. #1.)

BFM potentialed the well flowing 426 BOPD with no water. Also common to many Devonian Structures there is a tight cap at the top of the Devonian. The BFM Culp #1 found the tight cap to have thinned by 8 feet, so consequently this well had approximately 40 feet of oil column.

During the first three months of production, the Culp Ranch Unit #1 produced 11,000 barrels of oil. Water encroachment began after 13,000 barrels of production and continued to increase until the well was shut-in in March of 1989, having produced 23,196 BO and 40,478 BW. BFM ran a fluid entry log after high water production began to occur. This log showed coning had occurred, probably as a result of high production rates and vertical fractures communicating with the water leg of the reservoir.

In June 1988 BFM drilled the Culp Ranch Unit #2 in the NW/4 NW/4 of section 11 and encountered the Devonian 113 feet low and wet to the #1 (subsea -6335).

In October of 1989 a third well, the Mescalero Fed. #11-1 was drilled by Penwell Energy in the NE/4 SW/4 of section 11 south of the Conoco well. This well topped the Devonian at -6232, six feet low to the Conoco well. Three DST's were taken; the first recovered mud, the second recovered oil cut mud with no formation water and the third recovered oil and water five feet structurally below the open hole completion in the BFM Culp Ranch Unit #1. Severe hole problems prevented the operator from running open hole logs and the well was P&A.

Through a seismic option agreement between Samedan and Penwell Energy in June of 1990, Samedan shot a 3-D seismic survey and earned the right to purchase the Culp Ranch prospect.

In October of 1990 after purchasing the property, Samedan attempted a recompletion of the Culp Ranch Unit #1. A pumping unit was installed and the well was put back on production at 30 BOPD and 200 BWPD. The well was shut-in in April of 1991 after producing 2,769 BO and 10,839 BW.

In August of 1991 the Culp Ranch Unit #1 was re-entered and deepened to test the Fusselman and Ellenburger. It was deepened 640 feet from the original TD of 10,288 to a final TD of 10,920. Two DST's were taken both tested 100% water. The well bore was then T&A after failure to re-complete in the Devonian.

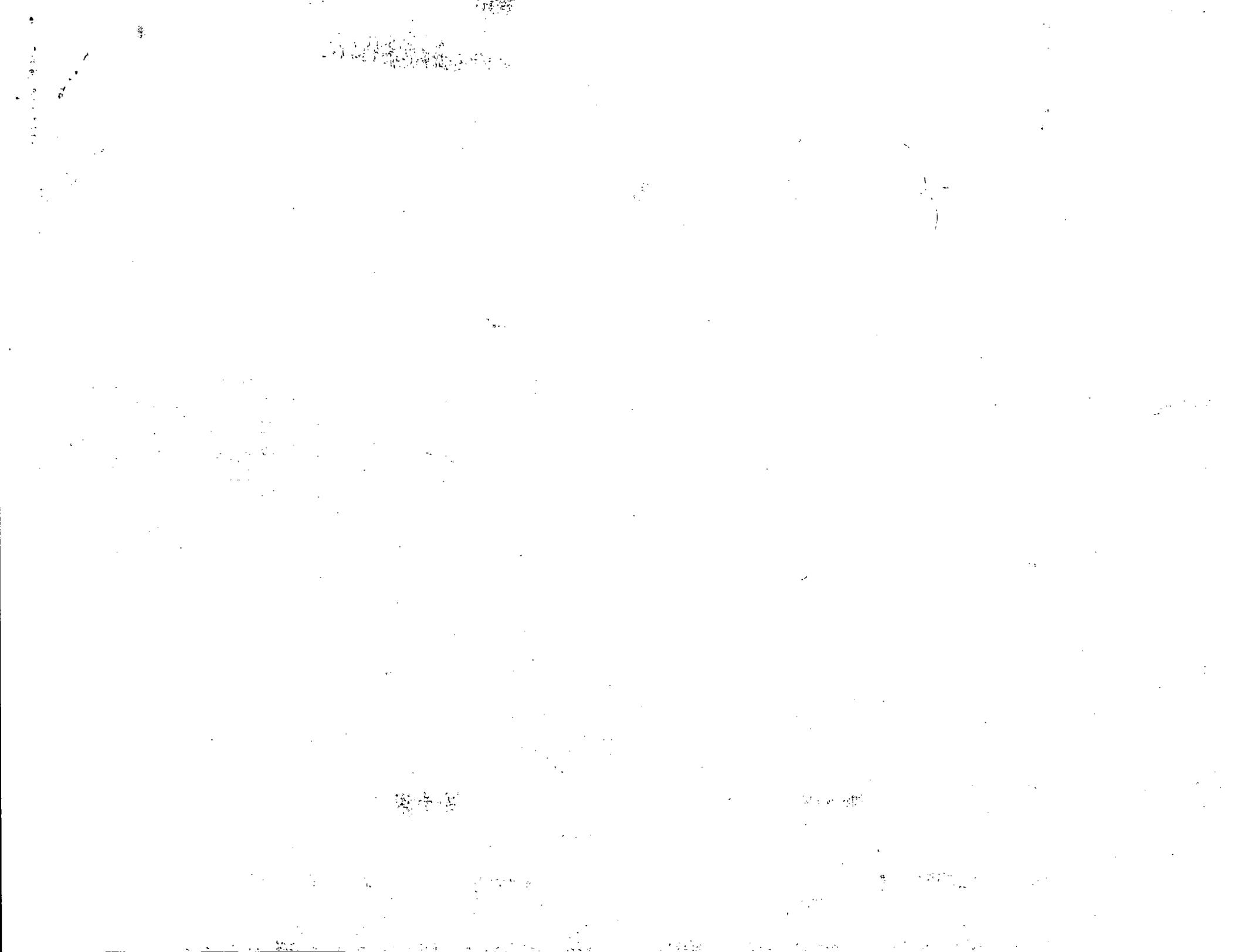
In July of 1994 the Culp Ranch No. 3 was drilled by Samedan to a total depth of 10,300 feet. This well was located 660 feet north of the BFM No. 1 Culp Ranch. The No. 3 ran 152 feet low and wet to the Culp Ranch No. 1.

A geophysicist was employed to review 3-D and 2-D seismic data in their area. Upon re-evaluation, the following recommendation is made:

1. Re-enter the Conoco Mescalero Fed. #1 and directionally drill approximately 600' of new hole toward the Northwest. In doing so, 30 feet of structural advantage in the Devonian is anticipated. In addition more oil column is anticipated due to the thinning of the "tight" cap.
2. Drill 5' into top of Devonian porosity and run a DST. If test recovers commercial quantities of oil, complete open hole. Do not allow cement to come in contact with Devonian.
3. Produce well at a moderate rate of 100 - 150 BOPD to prevent coning of water.

The seismic study confirms the geological evaluation. The well control and seismic data maps show a structure with similar size and shape. The dip meter and hole drift log gives a strong indication of which direction to go in order to get structurally high. Thinning between the Mississippian and Devonian also indicates a paleo high over the prospect location.

In conclusion, the Conoco Mescalero #1 and the BFM Culp Ranch #1 confirm the presence of a single reservoir, closure and trapped oil in the Devonian Formation. Maximum oil column maybe as great as 65 feet, with a minimum oil column of 30 feet. Comparable reserves on a per well basis could fall between 300,000 and 700,000 STBO. Analog fields include White Ranch, White Ranch West, Chisom and King Camp.



Penwell

75  
70  
65  
50  
55  
50  
45  
40  
35  
10

-6332



6250

BHL  
6222

Onoco Mesc Fed

6238

Penwell Mesc Fed

BHL  
6231

Sec





**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

**OIL CONSERVATION DIVISION**  
2040 South Pacheco Street  
Santa Fe, New Mexico 87506  
(505) 827-7131

August 19, 1996

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

**Attention: Chuck Morgan**

**Re: Administrative Application for directional drilling and an unorthodox bottomhole oil well location; Mescalero Federal Well No. 1 (API No. 30-005-21052) located at a standard surface oil well location 1980 feet from the North and West lines (Unit F) of Section 11, Township 12 South, Range 30 East, NMPM, Graham Springs-Devonian Pool, Chaves County, New Mexico.**

**Dear Mr. Morgan:**

Since the subject bottomhole location is considered to be "unorthodox", additional information will be necessary. Please provide, pursuant to Division General Rules 104.F(3) and 111.D(2)(a), a detailed discussion of the geologic conditions which result in the necessity for this unorthodox location and include appropriate exhibits.

Should you have any questions concerning this matter, please contact me in Santa Fe at (505) 827-8185. Thank you for your cooperation.

Sincerely,

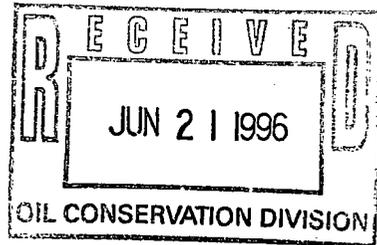
A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

**Michael E. Stogner**  
**Chief Hearing Examiner/Engineer**

**cc: Oil Conservation Division - Hobbs**  
**U. S. Bureau of Land Management - Carlsbad**

**SDX RESOURCES, INC.**

P.O. BOX 5061  
MIDLAND, TEXAS 79704  
(915) 685-1761



June 19, 1996

Oil Conservation Commission  
2040 S. Pacheco  
Santa Fe, NM 87505

Attention: Michael Stogner

Re: Non Standard Location  
Mescalero Federal #1  
1980 FNL 1980 FWL (Surf)  
1480 FNL 1846 FWL (BHL)  
Unit F, Sec 11, 12S, 30E  
Chaves Co., NM

Mr. Stogner:

SDX Resources, Inc. respectively requests administrative approval for the above captioned lease. A complete copy of the Application to Drill (re-entry) is enclosed.

We are proposing this location to recover reserves that would otherwise not be recovered.

No offset operators are affected as SDX owns all contiguous acreage and the Working Interest and Mineral Interest owners in this area are identical.

If additional information is needed, please advise.

Sincerely,

A handwritten signature in cursive script that reads "Chuck Morgan".

Chuck Morgan  
Engineer

CM:bj

attachments

cc: OCD/Artesia  
BLM/Carlsbad

**RECEIVED**  
FORM APPROVED  
JUN 1 1996  
OMB NO. 1004-0136  
Expires February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*Original APD approved 1/12/95*  
BY

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK *Change in procedures & bottom hole location*  
DRILL  DEEPEN  RE-ENTER

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

2. NAME OF OPERATOR  
SDX Resources, Inc.

3. ADDRESS AND TELEPHONE NO.  
PO Box 5061, Midland TX 79704

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
1980' FNL & 1980' FWL  
At proposed prod. zone  
1480' FNL & 1846' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
28 miles NE of Dexter, NM

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
1480' (160')

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, 990' Surf Loc OR APPLIED FOR, ON THIS LEASE, FT. \*\* 508' Btm Loc

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4003' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	NA 13-3/8"	48#	429'	350 sx
12-1/4"	K-55, 9-5/8"	36#	4300'	2113 sx
8-3/4-7-7/8"	N80&K55, 5-1/2"	17#	10100'	500 sx

It is proposed to re-enter this well. (See attached procedure.)

- Attachments: Planned Procedure  
Supplemental Drilling & Directional Data  
Surface Use & Operations Plan on file & approved 1-12-96.  
H2S Plan  
BOP Sketch

\*\*Culp Ranch #1 is permanently abandoned in the Devonian & is being held for possible salt water disposal well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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: *Chuck Morgan*  
TITLE: Engineer

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights, interests, or claims which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: SUBJECT TO LIKE APPROVAL BY STATE *NMUCD approval needed for unorthodox location*

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**APPROVED**  
PETER W. CHESTER  
DATE May 23, 1996  
*Peter W. Chester*  
JUN 6 1996  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

RECEIVED  
MAY 31 12 12 PM '96  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

\*See Instructions On Reverse Side

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Form C-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-21052		Pool Code 28410	Pool Name Graham Springs, Devonian
Property Code 18291	Property Name Mescalero Federal		Well Number 311213
OGRID No. 020451	Operator Name SDX Resources, Inc.		Elevation 4003' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1980	North	1980	West	Chaves

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1480	North	1846	West	Chaves

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Chuck Morgan</i>        Signature        Chuck Morgan        Printed Name        Engineer        Title        May 23, 1996        Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey        Signature and Seal of Professional Surveyer:</p>
	<p>Certificate Number</p>



Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

OIL CONSERVATION DIVISION  
RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
NM 60052

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other *APD unspudded re-entry*

8. Well Name and No.  
Mescalero Federal #1

2. Name of Operator  
SDX Resources, Inc.

9. API Well No.  
30-005-21052

3. Address and Telephone No.  
PO Box 5061, Midland, TX 79704 915/684-1761

10. Field and Pool, or Exploratory Area  
Graham Springs Devonian

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1980' FNL & 1980' FWL  
Sec 11, T12S, R30E  
Unit F

11. County or Parish, State  
Chaves Co., 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u> effective 4-1-96
	<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.)\*

NOTICE OF CHANGE OF OPERATOR:

FROM - PED Oil Corporation  
PO Drawer 3547  
Midland TX 79702

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

Effective 4/1/96

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

Signed Chuck Morgan Title Engineer

APPROVED  
PETER W. CHESTER Date 6-4-96

(This space for Federal or State office use)

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

JUN 5 1996  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Original APD approved 1/12/96

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK Change in procedure of bottom hole location DRILL [ ] DEEPEN [ ] RE-ENTER [ ]

b. TYPE OF WELL OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR SDX Resources, Inc.

3. ADDRESS AND TELEPHONE NO. PO Box 5061, Midland TX 79704

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\* At surface 1980' FNL & 1980' FWL At proposed prod. zone 1480' FNL & 1846' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 28 miles NE of Dexter, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1480' (160')

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, 990' Surf Loc OR APPLIED FOR, ON THIS LEASE, FT. \*\* 508' Btm Loc

19. PROPOSED DEPTH 10,202'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4003' GL

22. APPROX. DATE WORK WILL START\* July 15, 1996

PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, GRADE SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 16", 12-1/4", and 8-3/4-7-7/8" hole sizes.

It is proposed to re-enter this well, (See attached procedure.)

- Attachments: Planned Procedure Supplemental Drilling & Directional Data Surface Use & Operations Plan on file & approved 1-12-96. H2S Plan BOP Sketch

\*\*Culp Ranch #1 is permanently abandoned in the Devonian & is being held for possible salt water disposal well.

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

24. SIGNED [Signature] TITLE Engineer

APPROVED [Signature] DATE May 23, 1996

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE JUN 6 1996

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: SUBJECT TO LIKE APPROVAL BY STATE NMOCD approval needed for unorthodox location

APPROVED BY TITLE DATE

\*See Instructions On Reverse Side

RECEIVED MAY 31 12 12 PM '96

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Form C-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-21052		Pool Code 28410		Pool Name Graham Springs, Devonian	
Property Code 18291		Property Name Mescalero Federal			Well Number 505
OGRID No. 020451		Operator Name SDX Resources, Inc.			Elevation 4003' GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1980	North	1980	West	Chaves

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1480	North	1846	West	Chaves

12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p><i>Chuck Morgan</i>        Signature        Chuck Morgan        Printed Name        Engineer        Title        May 23, 1996        Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey        Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

SDX RESOURCES, INC.  
Mescalero Federal #1  
1980' FNL & 1980' FWL  
Sec. 11, T12S, R30E  
Chaves Co., NM

Casing - 13-3/8" 48#/ft @ 429', cemented w/350 sxs, circ.  
9-5/8" 36#/ft @ 4300', cemented w/2113 sxs, circ.  
8-3/4" hole to 10,259'

Plugs - 85 sxs Cl H @ 7670'-7470'  
105 sxs Cl H @ 4375 -4225'  
45 sxs Cl H @ 1675'-1575'  
45 sxs Cl H @ 833'- 733'  
20 sxs Cl H @ 50'- 0'

PROCEDURE

- 1) Dig out old cellar & remove marker. Strip out 13-3/8" stub. Weld 9-5/8" 36# stub onto 9-5/8" casing. Weld on flange. Back fill if necessary.
- 2) Repair location & dig pits. Line reserve pit (and working pits if not steel).
- 3) MIRU rig. Drill out cement plugs w/8-3/4" bit & 10# brine to 9450'. Set cement plug Cl H 9450'-9250' and dress off top of plug to good hard cement. Drill to KOP of 9350'.
- 4) TIH w/steering assembly and motors w/7-7/8" bit. Kick off N 81 deg W following horizontal plan. Drilling fluid will be salt water gel w/3%-5% oil.
- 5) RU mud logger at 9350'.
- 6) T.D. well in top 5' of Devonian and run open hole logs. Run Halliburton DST tool and test zone.
- 7) Run 5-1/2" casing to T.D. and cement to 8000'.

CM/jdc  
5/01/96

6114  
Kos...  
MAY 31 12 13 PM '96

RECEIVED

SUPPLEMENTAL DRILLING DATA

SDX RESOURCES, INC.  
MESCALERO FEDERAL #1  
UNIT F, SECTION 11, T12S, R30E  
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Quaternary
2. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Yates	1556	Canyon	8520
San Andres	2840	Strawn	8922
Glorieta	4098	Atoka	9250
Tubb	5600	Mississippian	9580
Abo Shale	6450	Woodford	10235
Wolfcamp	7595	Siluro/Dev	10260
Cisco	8188		

3. ANTICIPATED HYDROCARBON BEARING ZONES:

Devonian 10260'

4. PROPOSED CASING AND CEMENTING PROGRAM:

<u>CASING SIZE</u>	<u>FROM</u>	<u>TO</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>JOINT</u>
5-1/2"	0	2500	17#	N-80	LT&C
	2500	7500	17#	K-55	LT&C
	7500	10300	17#	N-80	LT&C

Equivalent or adequate grade and weights of casing may be substituted at time casing is run, depending on availability.

5-1/2" casing will be cemented with 500 sacks Class H containing 0.8% fluid loss additive, 0.03% dispersant and 0.3% free water control. Cement designed for a top of 8000'. It is possible a stage tool may be run based on shows. If required, it will be positioned to best suit hole conditions.

Cement volumes and additives on all strings may be modified based on hole conditions.

5. PRESSURE CONTROL EQUIPMENT:

Blowout equipment while drilling below the 9-5/8" casing seat will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

6. CIRCULATING MEDIUM:

0' to 4300': Drill out from under surface with fresh water adding brine for makeup. Viscosity of 32-34 to clean hole.

4300' to 6400': Drill out from under intermediate with fresh water with a viscosity of 28-30. Add brine water below 5000'.

7. AUXILIARY EQUIPMENT:

A mug logging trailer will be in use when drilling below 9000'.

8. TESTING, LOGGING AND CORING PROGRAMS:

Drill stem tests will be made when well data indicates a test is warranted.

Electric logs will include CNL-FDC-GR and DLL-GR.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

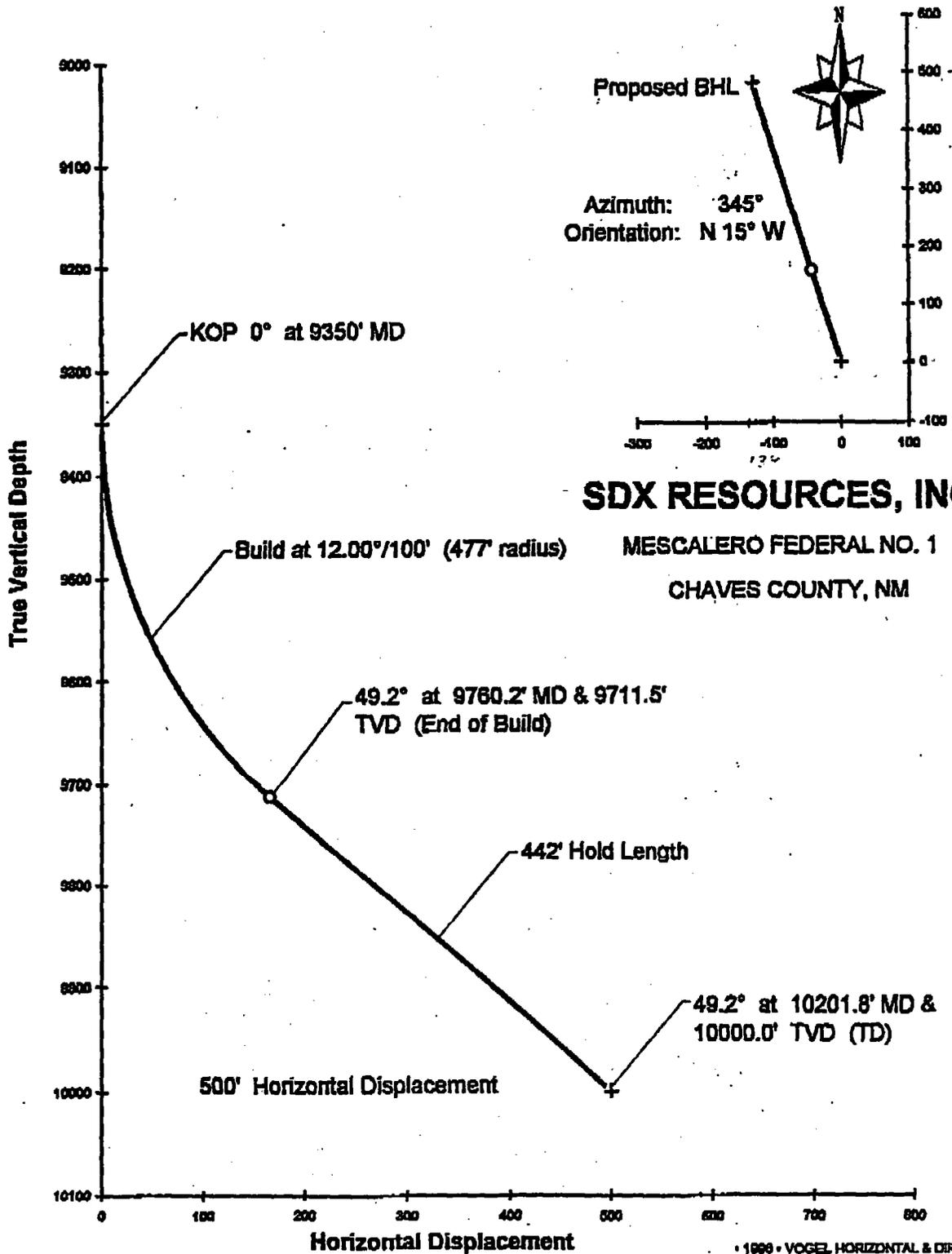
None anticipated. Based on other offset wells, bottomhole pressure at TD is expected to be 4000 psi with a bottomhole temperature of 170 degrees.

The BLM was contacted regarding H2S occurrences. None have been encountered in this area.

10. ANTICIPATED STARTING DATE:

Drilling operations should begin within 30 days after approval of this application. Drilling and completion operations should be completed within 60 days after spudding.

**VOGEL HORIZONTAL AND DIRECTIONAL DRILLING**  
 415 WEST WALL ST. MIDLAND TX 79707  
 915-570-4719



DATE 5-9-88

PRESENT  
WELL DATA SHEET

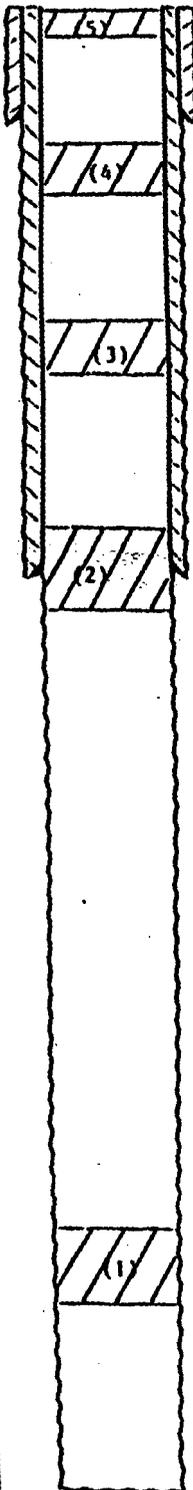
Lense Mescalero Federal Well No. 1

Location 1980' FNL & 1980' FWL, Sec. 11, T-12-S, R-30-E (F) County Chaves State New Mexico

K.B. Elev. 4022'  
G.L. Elev. 4003'  
D.F. Elev. 4021'

Date Plugged 3-22-86  
Formation(s) All zones non-commercial.

The primary objective was the Devonian.



Cut 13-3/8" & 9-5/8" csg off 4' below Gl. Weld plate on 13-3/8" & install marker.  
Gr. 13-3/8" N.A. Thd. ST&C  
Set @ 429'  
w/ 350 Skts.  
Hole Size 16"  
Cement circulated.  
Tested csg to 600#  
Held O.K.

3-22-86

Set Cmt Plugs Set as Follows:

- (1) Set 85 sx "H" cmt plug from 7670' - 7470'
- (2) Set 105 sx "H" cmt plug from 4375' - 4225'. Found top w/wire line at 4231'
- (3) Set 45 sx "H" cmt plug from 1675' - 1575'
- (4) Set 45 sx "H" plug from 833' - 733'
- (5) Set 20 sx "H" plug from 50' - 0'

9-5/8 " 36 #  
Gr. K-55 Thd. LT&C  
Set @ 4300  
w/ 2113 Skts.  
Hole Size 12-1/4"  
Cement circulated.  
Tested csg to 1040#  
Held O.K.

DST Results

UNDESIGNATED - DEVONIAN - CHAVES COUNTY, NEW MEXICO - 1.0000000  
API NUMBER: 30-003-21052 AFE NUMBER: 40-20-4785  
P & Y Mescalero #1 NO. 1 - OBJECTIVE: 10,700' DEVONIAN  
LOCATION: 1980' FNL & 1980' FWL OF SECTION 11, T-12-S, R-30-E  
TD: 10,354' FWD: NA RBN: NAEL ELEV: NA DATE SPUD: 1/14/86  
RIG REL: 3/22/86 COMPLETED: F&A POSITIONS: DEVONIAN PERMIAN  
WORK WORK DONE: Run 13 Jts 13-3/8" surface csg. BU Dwell.  
Circulated csg w/350 cu class "C" w/45 gal. Returns to surface.  
Tested to 600 psi w/no leaks. BU Schlumberger. Logged well  
w/GR-DLL-INTL-CAL & INT-INT-CAL-FDC from 4296'-1500' (GR-CAL to  
500'). 2nd run w/GR-LSS from 4296'-1770'. Run 103 Jts 9-5/8",  
168, K-55 LT&C intermediate csg. BU Powell. Cmt'd csg w/1163  
class "C" light & 182 gal & 950 cu class "C" & 22 CACL.  
Returns to surface. Tested to 1040 psi w/no leaks. BU  
Schlumberger. Logged well w/INT-INTL-GR-CAL from 10,481'-4300'  
& CML-LDT-FDC-GR-CAL from 10,404'-5300'. 3rd run w/LSS-GR from  
8970'-4300'. DST #2: Pinpoint-Johnston 10,229'-10,520'.  
Surface performance: Steady increasing flow to 13.37 gal during  
1F; increased to 69.45 gal during 2F. Drill Pipe Recovery:  
8571' total fluid; slightly oil cut mod. Sample chamber  
recovery: Pressure: 40 psi Cu. ft. Gas: 10.01 C.C. Oil: 570.  
C.C. Water: 1870 C.C. Mud: 10. Tot. Liq.: 2490 API Gravity:  
39.4 at 60°F at 88°F. Drill Pipe Recovery: 486' gas &  
Scavenger cut drilling fluid: 2.67 bbls. Total fluid sample  
chamber recovery: Pressure: 200 psi DST #3. Baker-Lynne  
Testing 10,239'-10,305'. Surface performance: First flow inc.  
to 1.5 gal; second flow inc. to 31 gal, third flow 21 gal. ran  
afternoon to blow down drill pipe, ran third flow to get fluid to  
surface-no pressure data. Drill Pipe Recovery: 640' oil, 2694'  
heavy oil cut water; 1300' water. Pit Recovery: 23 DG, 113 BU  
Sample Chamber Recovery: Chamber contaminated - not reported.  
DST #4, no test, pers Johnston  
9322-9543'. Surface Performance: Initial flow inc. to 1.5 gal  
second flow inc from 1.37 gal to 4.07 gal; third flow inc from  
3.47 gal to 3.81 gal. Drill Pipe Recovery: 486' gas &  
scavenger cut drilling fluid; 2.47 bbls total fluid. Sample  
chamber recovery: Pressure: 200 psi. All zones non-commercial.  
BU Dwell. Set 85 sx "H" cmt plug from 7670'-7470'. Set 105 sx  
class "H" cmt plug from 4375'-4225'. BU wireline & tagged top  
of cut top at 4231'. Set 45 sx class "H" cmt plug from  
1675'-1575'. Set 45 sx class "H" cmt plug from 833'-733'. Cut  
off 13-3/8" & 9-5/8" csg 4' below Gl. Set 50' class "H" surface  
plug w/20 cu & 12 CACL. Welded plate onto 11-1/8" csg & placed  
well abandonment marker 4' above Gl.  
Final Report

Top of Devonian 10,259'  
Well P&A. Did not run  
prod. csg.

Hole Size 8-3/4"

**HYDROGEN SULFIDE DRILLING OPERATIONS PLAN**

**SDX RESOURCES, INC.  
MESCALERO FEDERAL #1  
1980' FNL & 1980 FWL  
UNIT F, SEC. 11, T12S, R30E  
CHAVES COUNTY, NEW MEXICO**

**I. Hydrogen Sulfide Training**

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S).
2. The proper use and maintenance of personal protective equipment and life support system.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H<sub>2</sub>S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan.

There will be an initial safety session just prior to commencing operations on the well. The initial session shall include a review of the site's specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

## II. H2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet.

### 1. Well Control Equipment:

A. Annular Preventer to accommodate all pipe sizes with properly sized closing unit.

### 2. Protective equipment for essential personnel:

A. Mark II Surviveair 30-minute units located in the dog house.

### 3. H2S detection and monitoring equipment:

A. 1 - portable H2S monitor positioned on location for best coverage and response.

B. Mud logging trailer shall have H2S monitoring equipment.

### 4. Visual warning systems:

A. Guy lines will be flagged and a wind sock will be positioned on location.

B. Caution/Danger signs shall be posted on roads providing direct access to location.

5. Mud program:

The mud program has been designed to minimize the volume of H2S circulated to the surface. Proper mud weight, safe drilling practices, will minimize hazards when penetrating H2S bearing zones.

6. Metallurgy:

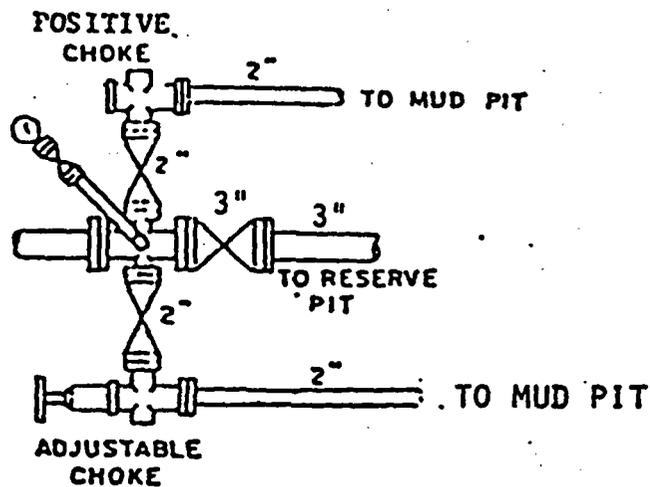
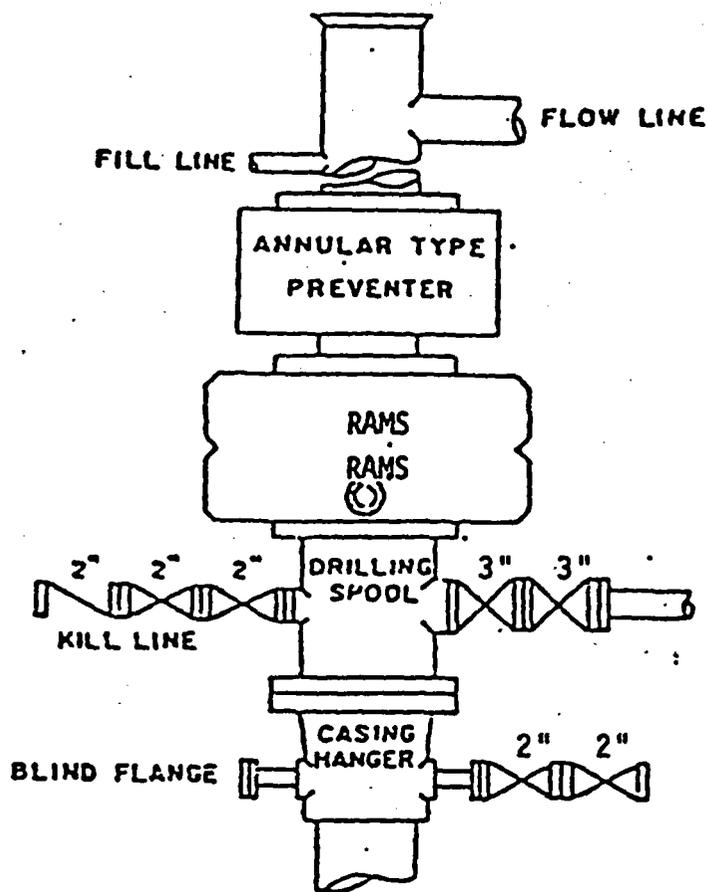
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service as necessary.

7. Communication:

Radio communications in company vehicles including cellular telephone and 2-way radio.

8. Well Testing:

No DST's are planned.



BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Form C  
 Revised February 21,  
 Instructions on  
 Submit to Appropriate District O  
 5 C  
 OIL CONSERVATION DIVISION  
 RECEIVED  
 '96 JUN 17 AM 8:52 AMENDED REP

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address SDX Resources, Inc. PO Box 5061 Midland TX 79704		OGRID Number 020451
		Reason for Filing Code Change of Operator 4-1-96
API Number 30-005-21052	Pool Name Graham Springs Devonian	Pool Code 28410
Property Code 009895 19022	Property Name Mescalero Federal #1	Well Number #1

II. Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	11	12S	30E		1980	North	1980	West	Chaves

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1480	North	1846	West	Chaves

Lee Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
	To Be Named Later			

IV. Produced Water

POD	POD ULSTR Location and Description

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations	DHC, DC, MC
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

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

Signature: *Chuck Morgan*  
 Printed name: Chuck Morgan  
 Title: Engineer  
 Date: 6-4-96  
 Phone: 915/685-1761

OIL CONSERVATION DIVISION  
 Approved by: *[Signature]*  
 Title: DISTRICT 1 SUPERVISOR  
 Approval Date: JUN 13 1996

\* If this is a change of operator fill in the OGRID number and name of the previous operator  
 Previous Operator Signature: *[Signature]*  
 Printed Name: PED Oil Corp.  
 Title: Vice Pres  
 OGRID No: 149142

8 52 UNITED STATES  
DEPARTMENT OF THE  
BUREAU OF LAND

OPER. OGRID NO. 149142  
PROPERTY NO. 18291  
POOL CODE 28410  
EFF. DATE 1/17/96  
API NO. 30-005-21052

BLM Roswell District  
Modified Form No.  
NM60-3160-2

APPLICATION FOR PERMIT TO DRILL

10. TYPE OF WORK  
 DRILL  DEEPEN  **PLUG BACK**

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

2. NAME OF OPERATOR  
 P E D Oil Corporation  
 3a. Area Code & Phone No. 915/684-5741

3. ADDRESS OF OPERATOR  
 P. O. Drawer 3547, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 1980' /NL, 1980' /WL  
 At proposed prod. zone 1845' /NL, 1131' /WL  
 Unit F

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 28 miles NE of Dexter, NM

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
 (Also to deepest drilg. unit line, if any) 1130.6'  
 16. NO. OF ACRES IN LEASE 40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1205.55' xx  
 19. PROPOSED DEPTH 10,400'

17. NO. OF ACRES ASSIGNED TO THIS WELL 40  
 20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 GL 4003'

22. APPROX. DATE WORK WILL START  
 November 27, 1995

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
16	13-3/8"	48	NA	ST&C	429	350 SXS
12-1/4	9-5/8"	36	K-55	LT&C	4300	2113 SXS
8-3/4-7-7/8	5-1/2"	17	N-80, K-55	LT&C	10315	500 SXS

It is proposed to re-enter this well, drill out cement plugs and clean out to approximately 7600'+, if necessary, a 150' cement plug will be set to kick off well bore directionally N 81°W, drilling a 7-7/8" OD hole, to a controlled distance of approximately 860'. If the Devonian formation is productive, production casing will be set and the pay zone stimulated as necessary.

See attachments for: Supplemental Drilling & Directional Data  
 Surface Use and Operations Plant  
 BOP Sketch

XX Culp Ranch No. 1 is permanently abandoned in the Devonian and is being held for possible salt water disposal well.

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 Michael Guss TITLE Vice President DATE 10/25/95

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY T.R. Kruger TITLE Area Manager DATE 11/2/95

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE



District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

Form C-102  
 Revised October 18, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
		28410	Graham Springs, Devonian
Property Code	Property Name		Well Number
009895	Mescalero Federal		1
OGRID No.	Operator Name		Elevation
149142	P E D Oil Corporation		4003' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12 S	30 E		1980	North	1980	West	Chaves

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	11	12 S	30 E		1845.5	North	1130.6	West	Chaves

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Michael L. Guss</i></p> <p>Signature</p> <p>Michael L. Guss</p> <p>Printed Name</p> <p>Vice President</p> <p>Title</p> <p>10/25/95</p> <p>Date</p>

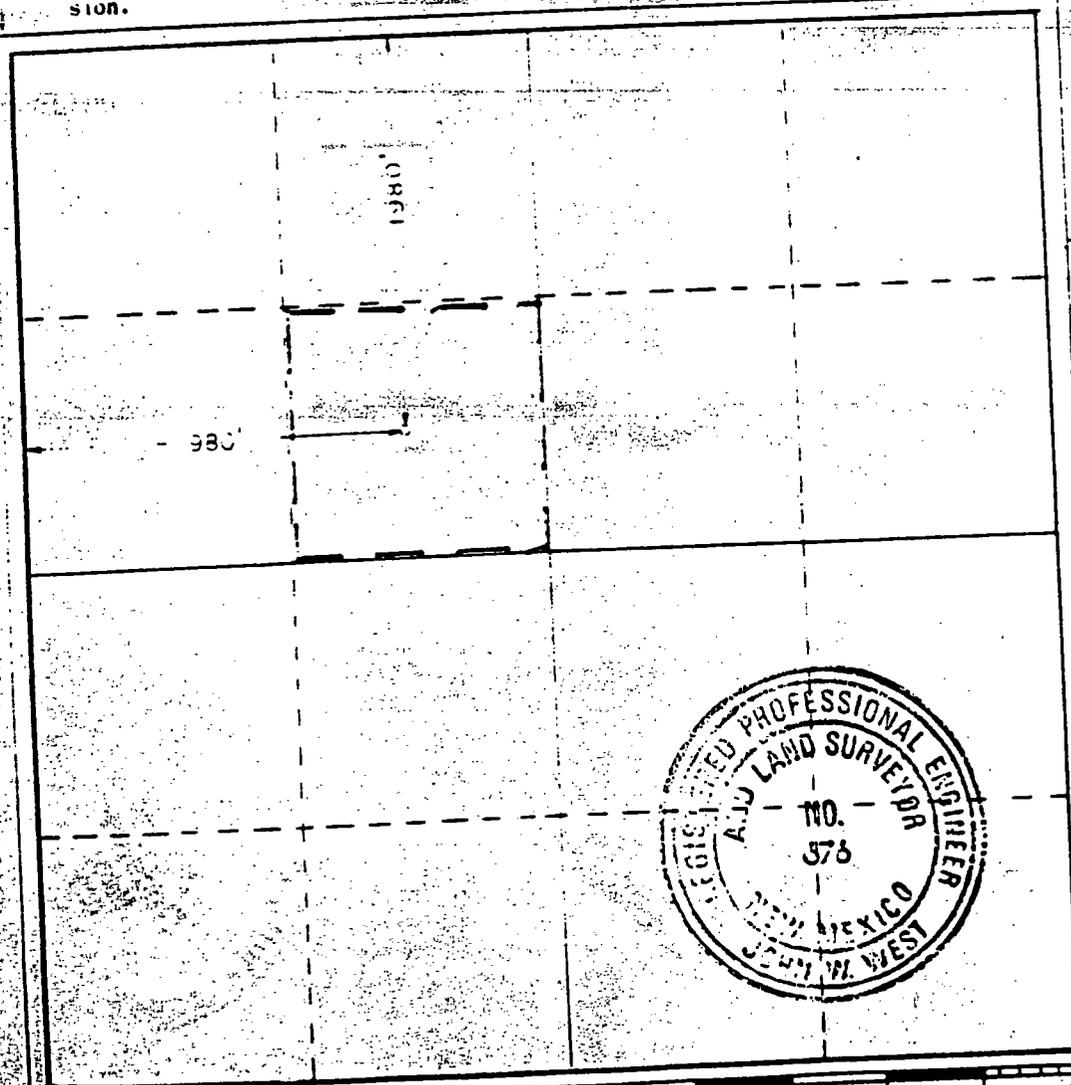
NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-112  
Supersedes L-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

County		Section		Township		Range		County	
								HAVES	
Well Name		Producing Formation		Foot Containing		Foot Containing		Dedicated Acreage	
		Devonian		Undesignated Devonian				40	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
  - If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
 Yes     No    If answer is "yes," type of consolidation \_\_\_\_\_  
 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

Name \_\_\_\_\_

Position  
Administrative Supervisor

Company  
CONOCO Inc.

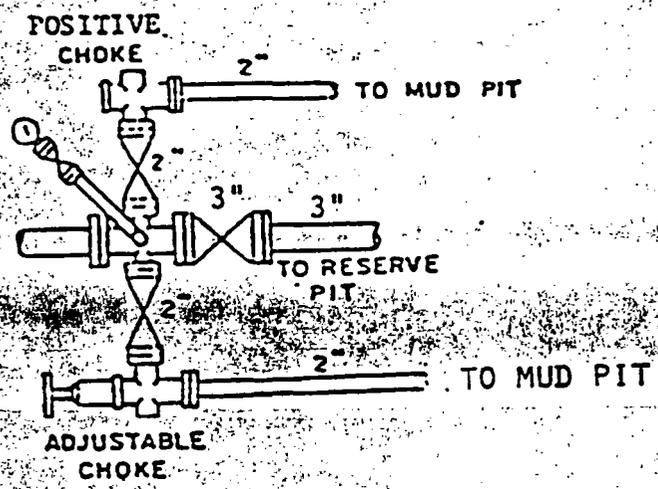
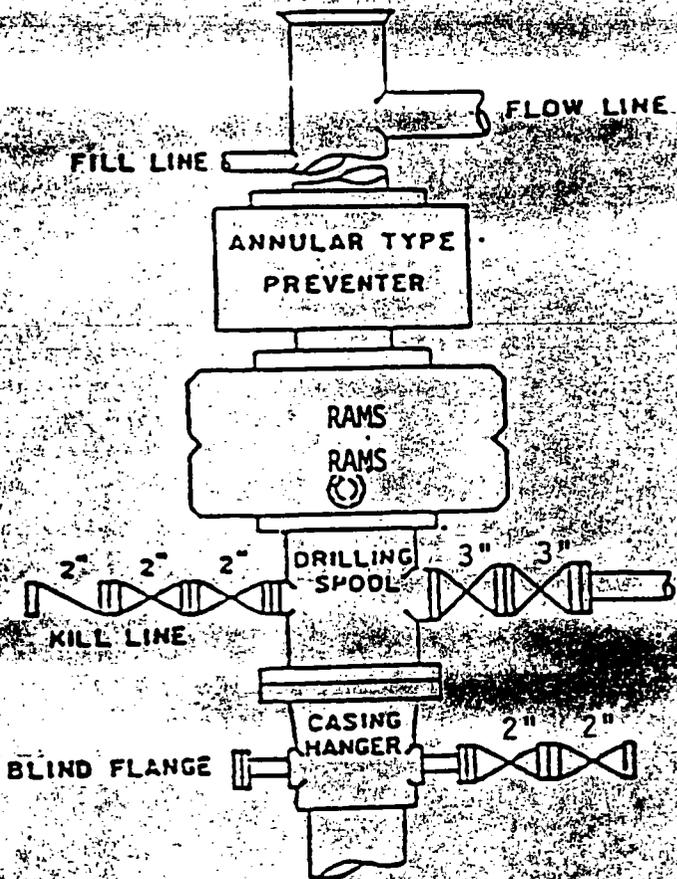
Date  
11-14-85

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

John W. West  
Date Surveyed  
11/01/85

Registered Professional Engineer and/or Land Surveyor

John W. West  
Certificate No. JOHN W. WEST, 676  
Dwain J. Finson 3239



BOP STACK

3000 PSI WORKING PRESSURE



BOP ARRANGEMENT

Form 3160-5  
(November 1983)  
(Formerly 9-331)

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**  
N. M. OIL CONS. COMMISSION  
P. O. BOX 89240  
ALBUQUERQUE, NEW MEXICO 87124

Form approved:  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1.  OIL WELL  GAS WELL  OTHER **Salt Water Disposal Well**

2. NAME OF OPERATOR  
**Foy and Middlebrook**

3. ADDRESS OF OPERATOR  
**310 W. Texas, Suite 210, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly for the record in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**1980' FNL & 1980' FWL Unit F5 1988**

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, OR, etc.)  
**SANTA FE**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 60052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**Culp Ranch**

8. FARM OR LEASE NAME  
**Mescalero Federal #1**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**UNDESIGNATED SAN ANTONIO**

11. SEC., T., S., R., OR BLM. AND SURVEY OR AREA  
**Sec. 11, T-12-S, R-30-**

12. COUNTY OR PARISH  
**Chaves**

13. STATE  
**New Mexico**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <b>SWD Well</b>	<input checked="" type="checkbox"/>		

(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.)\*

As requested the following are attached to be made a part of the SWD application for the proposed conversion of the Mescalero Federal No. 1 to Salt Water Disposal Service.

- 1) Well site layout
- 2) Topographic map with location of proposed SWD line.



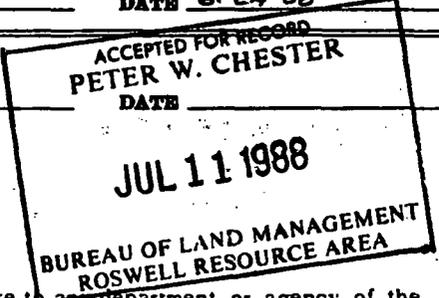
18. I hereby certify that the foregoing is true and correct

SIGNED *Peter W. Chester* TITLE ENGINEER DATE 6.24.88

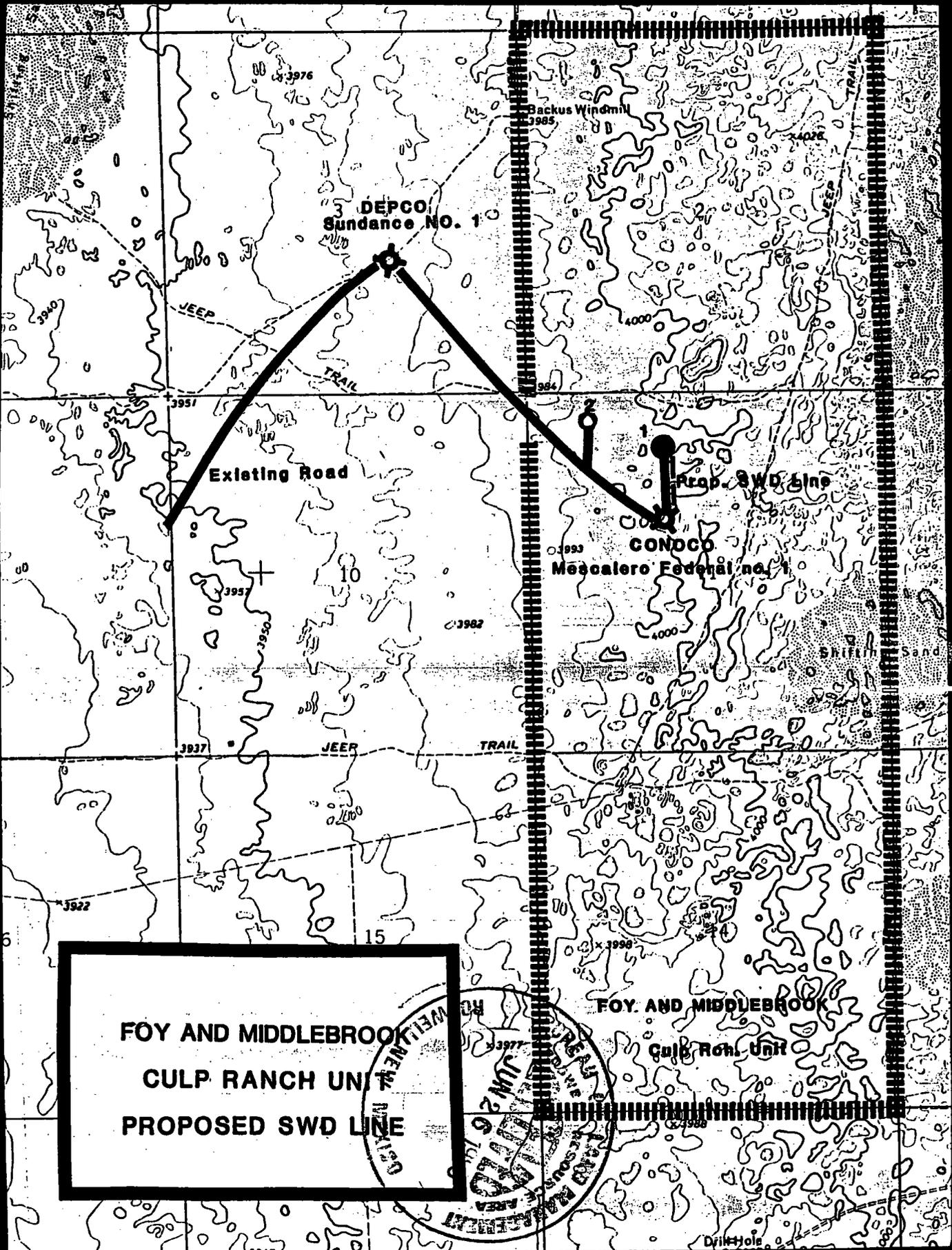
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

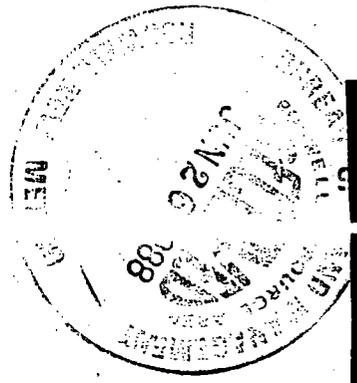
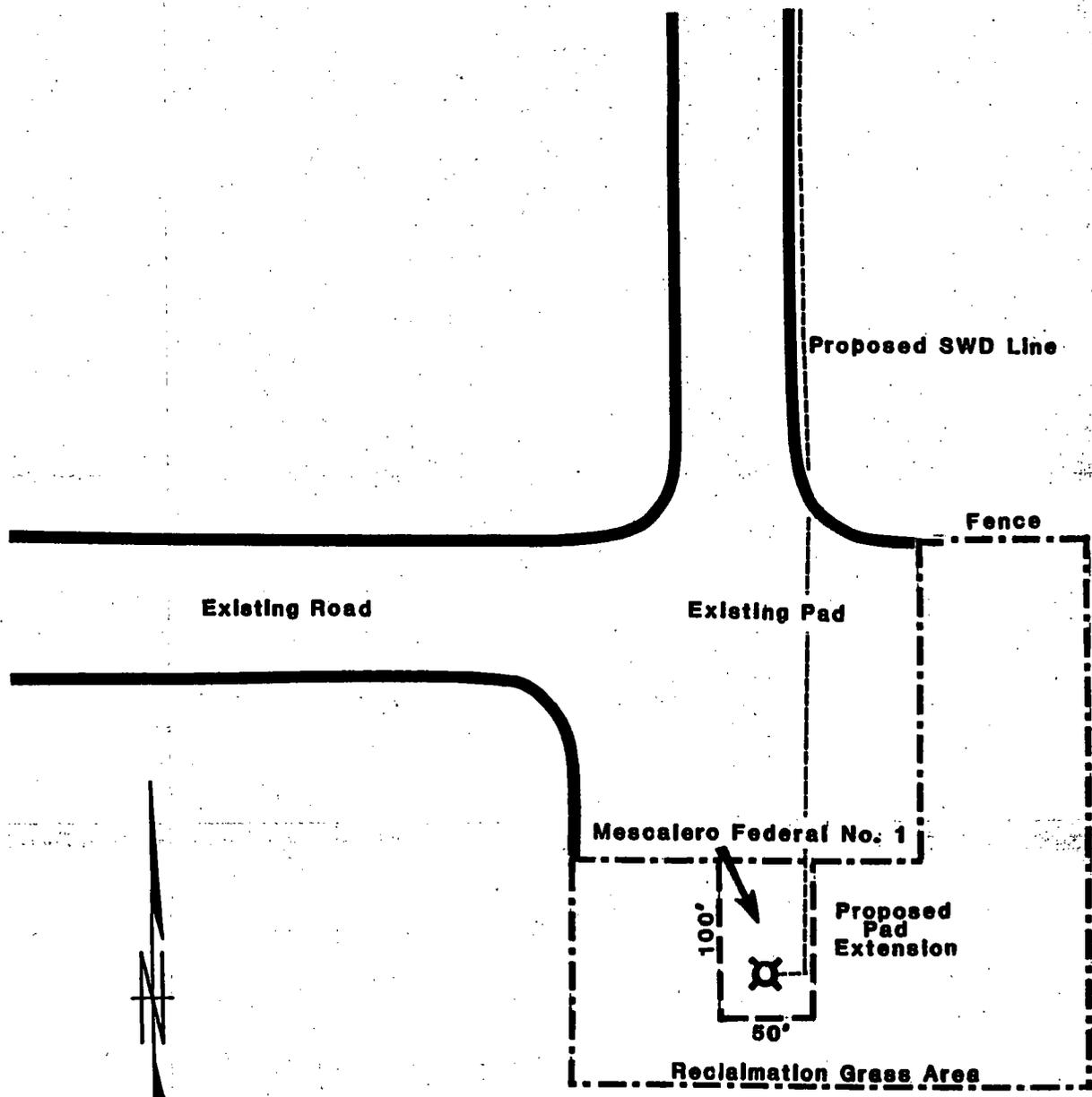


\*See Instructions on Reverse Side



**FOY AND MIDDLEBROOK  
CULP RANCH UNIT  
PROPOSED SWD LINE**





**FOY AND MIDDLEBROOK  
 MESCALERO FED. NO 1  
 PROPOSED SWD WELL  
 WELL SITE LAYOUT**

NOT TO SCALE

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**N. M. OIL CONS. COMMISSION**  
SUBMIT IN TRIPPLICATE  
Other instructions on reverse side  
**HOBBS, NEW MEXICO 88240**

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER  **Salt Water Disposal Well**

2. NAME OF OPERATOR  
**Foy and Middlebrook**

3. ADDRESS OF OPERATOR  
**310 W. Texas, Suite 210, Midland, Texas 79701**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**1980' FNL & 1980' FWL Unit F**

14. PERMIT NO. \_\_\_\_\_ 15. ELEVATIONS (Show whether DF, RT, GR, etc.) \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 60052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME  
**Culp Ranch**

8. FARM OR LEASE NAME  
**Mescalero Federal #1**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**UNDESIGNATED SAN ANDRES**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 11, T-12-S, R-30-**

12. COUNTY OR PARISH  
**Chaves**

13. STATE  
**New Mexico**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <b>SWD Well</b>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROMISED 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.)\*

As requested the following are attached to be made a part of the SWD application for the proposed conversion of the Mescalero Federal No. 1 to Salt Water Disposal Service.

- 1) Well site layout
- 2) Topographic map with location of proposed SWD line.



10. A BUREAU OFFICIAL MUST SIGN AND APPROVE THIS SPACE AND CONTENT.

SIGNED *[Signature]* TITLE ENGINEER DATE 6-29-88

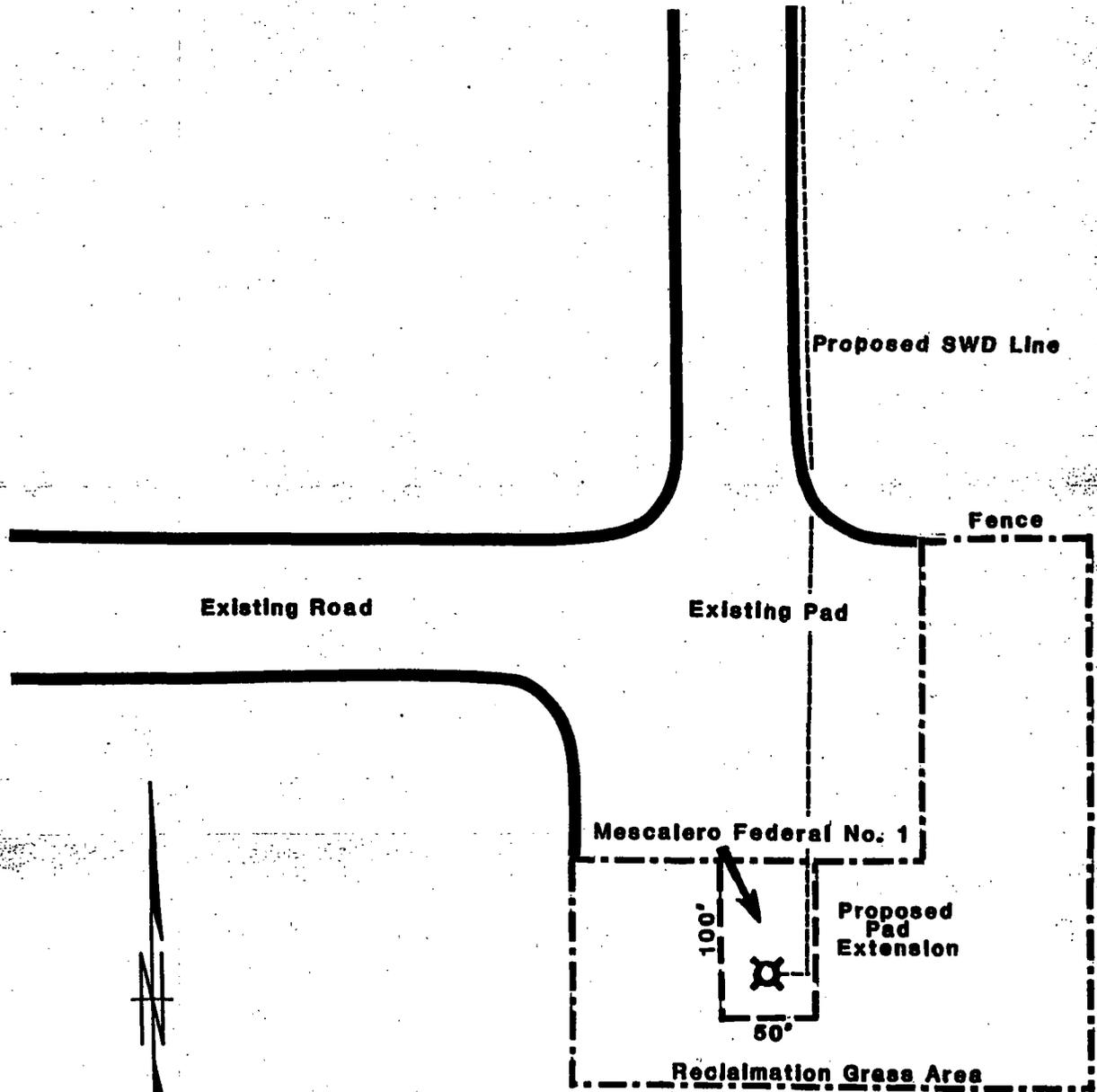
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

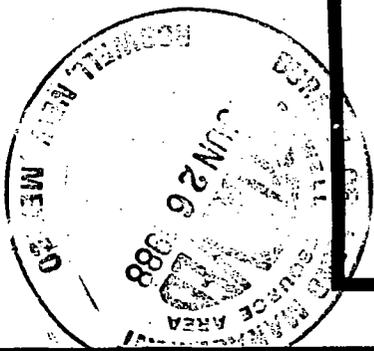
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD  
**PETER W. CHESTER**  
DATE  
**JUL 11 1988**  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

\*See Instructions on Reverse Side



**FOY AND MIDDLEBROOK  
 MESCALERO FED. NO. 1  
 PROPOSED SWD WELL  
 WELL SITE LAYOUT**



NOT TO SCALE

**UNITED STATES N. M. OIL AND GAS COMMISSION**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
**BOX 1580**  
**ALBUQUERQUE, NEW MEXICO 88240**

Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

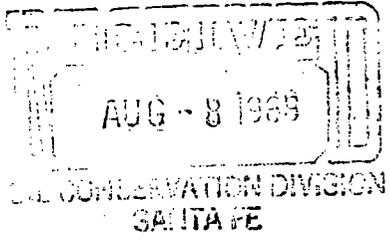
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <b>Salt Water Disposal Well</b>		7. UNIT AGREEMENT NAME <b>Culp Ranch</b>	
2. NAME OF OPERATOR <b>Foy and Middlebrook</b>		8. FARM OR LEASE NAME <b>Mescalero Federal</b>	
3. ADDRESS OF OPERATOR <b>310 W. Texas, Suite 210, Midland, Texas 79701</b>		9. WELL NO. <b>1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <b>1980' FNL &amp; 1980' FWL (Unit F)</b>		10. FIELD AND POOL, OR WILDCAT <b>(undesignated) San Andres</b>	
14. PERMIT NO.		12. COUNTY OR PARISH <b>Chaves</b>	
15. ELEVATIONS (Show whether OF, ST, GR, etc.) <b>KB 4022' GL 4003'</b>		13. STATE <b>New Mexico</b>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER Casing <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRacture TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRacture TREATMENT <input type="checkbox"/>	ALTERING Casing <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Salt Water Disposal</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(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.)\*

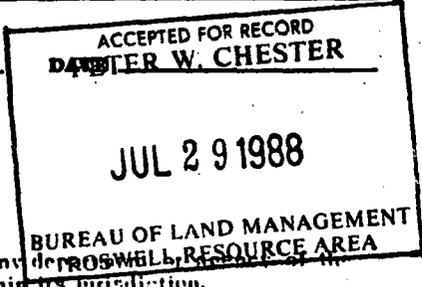
It is requested that the APD to dispose of water into the San Andres formation in the Mescalero Federal Well no. 1 be cancelled. This well is currently under study for possible re-entry and production from the Devonian if a satisfactory SWD well can be developed by using the proposed Devonian Zone in the Culp Ranch unit #2.



18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE Partner DATE 7-28-85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions on Reverse Side

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  *Re-entry* DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER Salt Water Disp.  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Foy and Middlebrook

3. ADDRESS OF OPERATOR  
 310 West Texas, Suite 210, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 1980' FNL & 1980' FWL Unit P  
 At proposed prod. zone: 4003' GL 4022' KB

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilled unit line, if any)  
 SANTA FE

16. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

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.  
 4225'

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 June 15, 1988

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 60052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
 Culp Ranch

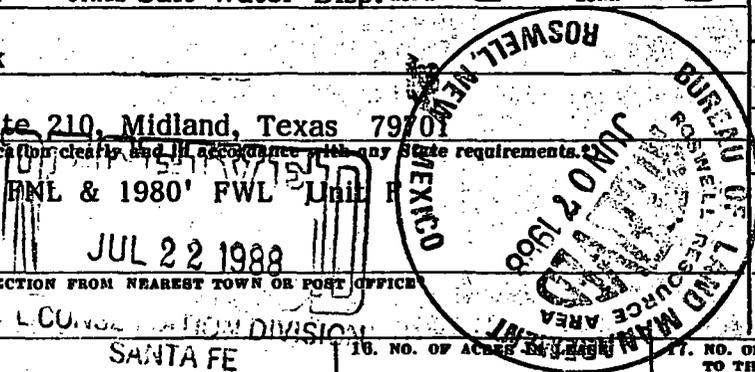
8. FARM OR LEASE NAME  
 Mescalero Federal

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Undesignated San Andres

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
 Sec. 11-12S-30E

12. COUNTY OR PARISH 13. STATE  
 Chaves New Mexico



PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
None				

It is proposed to Re-enter the subject well by drilling out cement plugs located 0-50', 733'-833' and 1575'-1675' and perforate the San Andres formation from 3996'-4106' and 4100'-4122' to be used for Salt Water Disposal. Salt water will be injected through plastic coated tbg. and packer. Packer will be set at 3950' in 9 5/8" csg. The annulus will be filled with inhibited 2% KCL water. Gages will be installed to monitor both tubing and casing pressure. Attached is a location and acreage dedication plat, supplemental drilling data, and a surface use and operation plan.

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 Steen R. Foy TITLE General Partner DATE 6-6-88

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY S/Phil Kirk TITLE Area Manager DATE JUL 11 1988

SUBJECT TO LIKE APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

NEW-MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122  
Superseded C-121H  
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

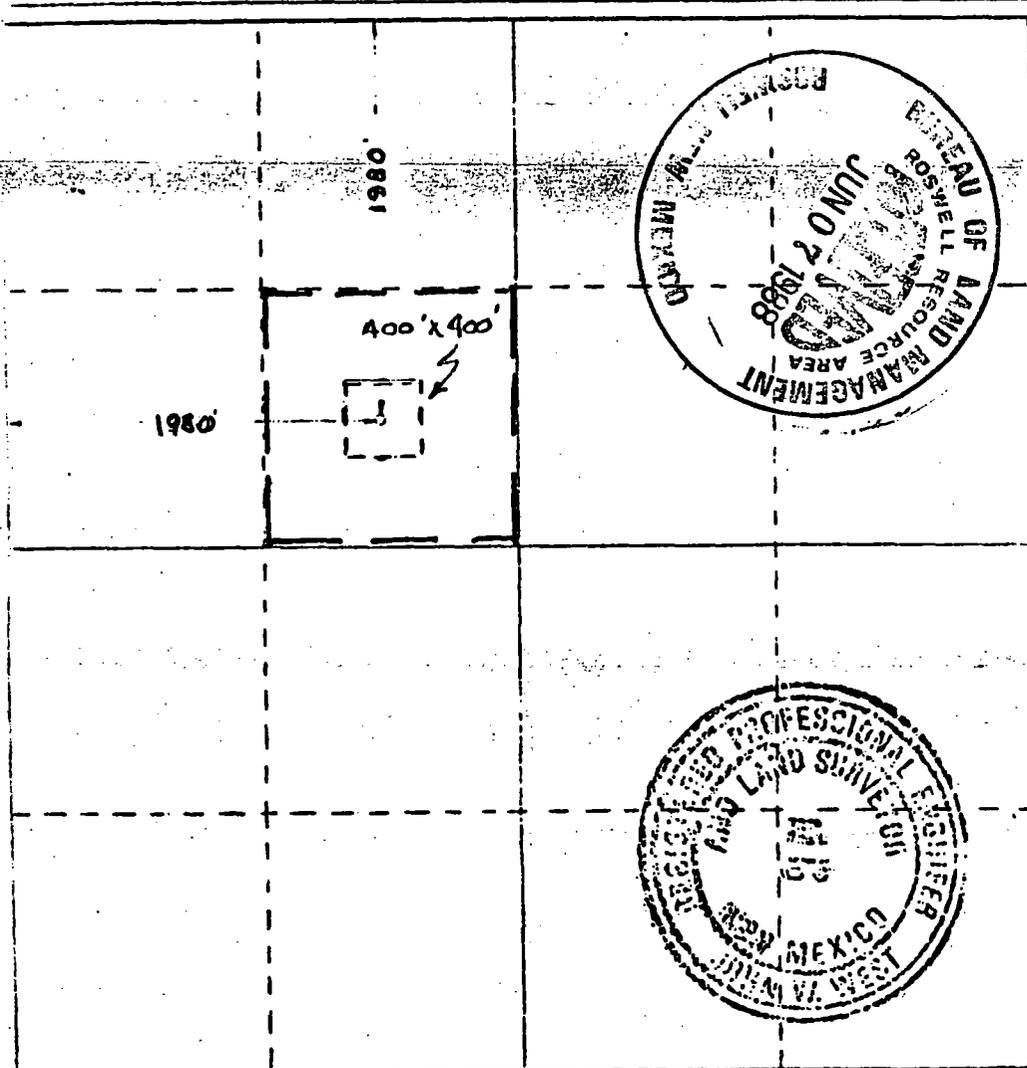
Operator <b>CONOCO INC.</b>		Lease <b>CEEP RANCH</b>		Well No. <b>1</b>	
Section <b>F</b>	Section <b>11</b>	Township <b>12S</b>	Range <b>30E</b>	County <b>CHAVES</b>	
Date of the Location of Well: <b>1980</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>WEST</b> line					
Original File No. <b>3998-0</b>	Producing Formation <b>SAN ANDRES</b>	Pool <b>UNDESIGNATED SAN ANDRES</b>	Estimated Acreage <b>3.67</b> Acres		

- 1 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- 2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 3 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Date: \_\_\_\_\_  
Signature: *John L. Logg*  
Title: **Administrative Supervisor**

Company: **CONOCO INC.**

Date: **11-14-85**

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

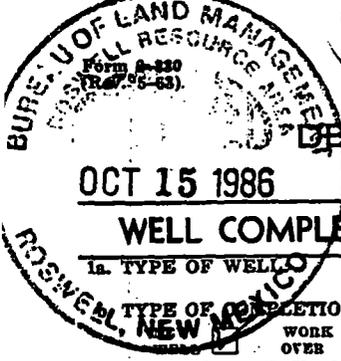
Date Surveyed

**11/01/85**

Registered Professional Engineer and Land Surveyor

Signature: *John W. West*

Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EIDSON, 3239**



N. M. OIL CONS. COMMISSION  
P. O. BOX 1980

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-2355.8.

OCT 15 1986

HOBBBS, NEW MEXICO 88240  
(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM-60052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mescalero Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Devonian

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

Sec. 11-125-30E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

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

TYPE OF COMPLETION: WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESRV.  Other

2. NAME OF OPERATOR: CONOCO INC.

3. ADDRESS OF OPERATOR: P. O. Box 460, Hobbs, N.M. 88240

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

At surface: 1980' FNL & 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

30-005-21052 NA

15. DATE SPUNDED

1/14/86

16. DATE T.D. REACHED

3/10/86

17. DATE COMPL. (Ready to prod.)

Never completed

18. ELEVATIONS (OF REB. RT. OR, ETC.)

3998' 6L

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

10,554'

21. PLUG, BACK T.D., MD & TVD

Well was plugged

22. IF MULTIPLE COMPL., HOW MANY?

1

23. INTERVALS DRILLED BY

Rotary

ROTARY TOOLS

All

CABLE TOOLS

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

No interval ever produced

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR-DLL-MSFL-CAL, NGT-LDG-CWL, GR-sonic, GR-Long Space Sonic

27. WAS WELL CORED

NO

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	506'	17 1/2"	410 SXS Class 'C' w/4% gel	100 SXS
9 5/8"	36#	4299'	12 1/4"	2113 SXS Class 'C' w/2% Calca	425 SXS
			8 7/8"	hole drilled to TD but never cased.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		NONE	RAN	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE SET	

31. PERFORATION RECORD (Interval, size and number)

DST'D Atoka and Devonian formation  
NO zone ever perforated

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION: Well P & A'd on 3/22/86

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.

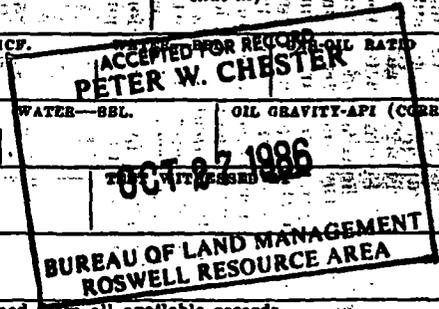
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

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

SIGNED: [Signature] TITLE: Administrative Supervisor DATE: 10/14/86



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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time a summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

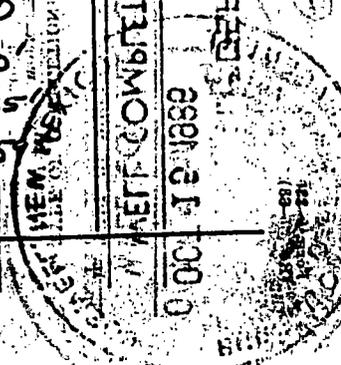
**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Devonian	10,220'	10,554'	DST #1 Rec. 8571' Mud
"	10,257'	10,305'	DST #2 & 3 Rec. 649' oil, 5694 H <sub>2</sub> O, 1500' water
Atoka	9322'	9543'	DST #4 Rec. 406' gas & some H <sub>2</sub> O cont. drill fluid

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Yates	1556'	
Queen	2280'	
San Andres	2840'	
Glorieta	4098'	
Yeso	4212'	
Wolfcamp	7595'	
Cisco	8188'	
Canyon	8520'	
strawn	8922'	
Atoka	9250'	
Mississippi	9580'	
Woodford	10235'	
Devonian	10255'	

RECEIVED  
 NOV 13 1988  
 HOEL  
 C-100



**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR <b>CONOCO INC.</b>		8. FARM OR LEASE NAME <b>Mescalero Federal</b>	
3. ADDRESS OF OPERATOR <b>P. O. Box 460, Hobbs, N.M. 88240</b>		9. WELL NO. <b>1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>Unit F</b>		10. FIELD AND POOL, OR WILDCAT <b>Undesignated Devonian</b>	
14. PERMIT NO. <b>30-005-21052</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 11-125-30E</b>	
15. ELEVATIONS (Show whether DT, WT, CR, etc.)		12. COUNTY OR PARISH   13. STATE <b>Chaves   NM</b>	

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PCLL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

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

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

- ① After examining DST results and logs, with and spotted @ 150' class "H" cmt plug from 9700' to 9550'.
- ② Spotted 150' class "H" cmt plug from 7600' to 7450'.
- ③ Set 150' class "H" plug across intermed. shoe, 75' above and 75' below. This plug was tagged w/ slick line unit.
- ④ Spotted 100' class "H" cmt plug at base of salt (1650'-1550')
- ⑤ Spotted 100' class "H" cmt plug at top of salt (840'-740')
- ⑥ Placed 50' surface plug, cut off. csq to final restored ground level and cmt abandonment marker w/ 2' x 4' cmt cap.
- ⑦ Rig down on 3-22-86.

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

SIGNED

*Kevin L. Vogel*

TITLE

Administrative Supervisor

DATE

4-10-86

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY: Approved as to plugging of the well bore.

Liability under bond is retained until surface restoration is completed.

\*See Instructions on Reverse Side

APPROVED  
 PETER W. CHESTER

OCT 27 1986

BUREAU OF LAND MANAGEMENT  
 ROSWELL RESOURCE AREA

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR: **CONOCO INC.**

3. ADDRESS OF OPERATOR: **P. O. Box 460, Hobbs, N.M. 88240**

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

5. LEASE DESIGNATION AND SERIAL NO.: **NM-60052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT AGREEMENT NAME: \_\_\_\_\_

8. FARM OR LEASE NAME: **Mescalero Federal**

9. WELL NO.: **1**

10. FIELD AND POOL, OR WILDCAT: \_\_\_\_\_

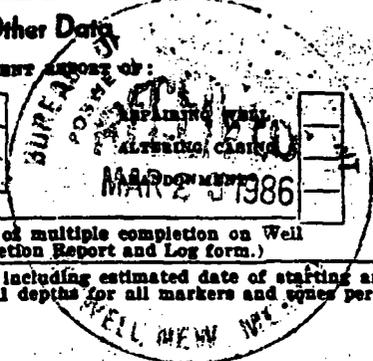
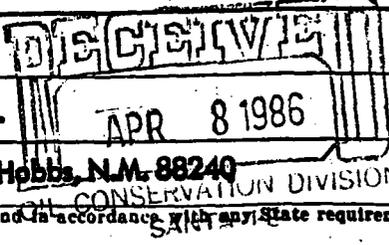
11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA: **Sec. 11-125-30E**

12. COUNTY OR PARISH: **Chaves**

13. STATE: **NM**

14. PERMIT NO.: **30-005-21052**

15. ELEVATIONS (Show whether DF, ST, GR, etc.):  
**1980' FNL & 1980' FWL**



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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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 spaces pertinent to this work.)\*

- ① Spot 150' class "H" cmt plug from 9700' to 9550'
- ② Spot 150' class "H" cmt plug from 7600' to 7450'.
- ③ Set 150' cmt plug across intermediate csq shoe, 75' above shoe and 75' below the sho  
 This plug must be tagged w/ the slick line unit on the rig.
- ④ Spot 100' class "H" cmt plug at the base of the salt from 1650' to 1550'.
- ⑤ Spot 100' class "H" cmt plug at the top of the salt from 840' to 740'.
- ⑥ Place 50' surface plug. Cut off csq to final restored ground level and cement abandonment marker w/ a cmt cap 2' x 4"
- ⑦ Verbal appl of this procedure obtained by Steve Strauss from Peter Chester w/ BLM on 3/10/86.
- ⑧ Attached is proposed P & A'd wellbore sketch.

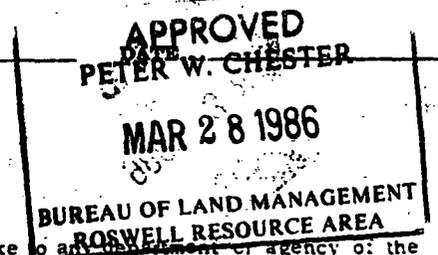
18. I hereby certify that the foregoing is true and correct

SIGNED: [Signature] TITLE: Administrative Supervisor DATE: 3-20-86

(This space for Federal or State office use)

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

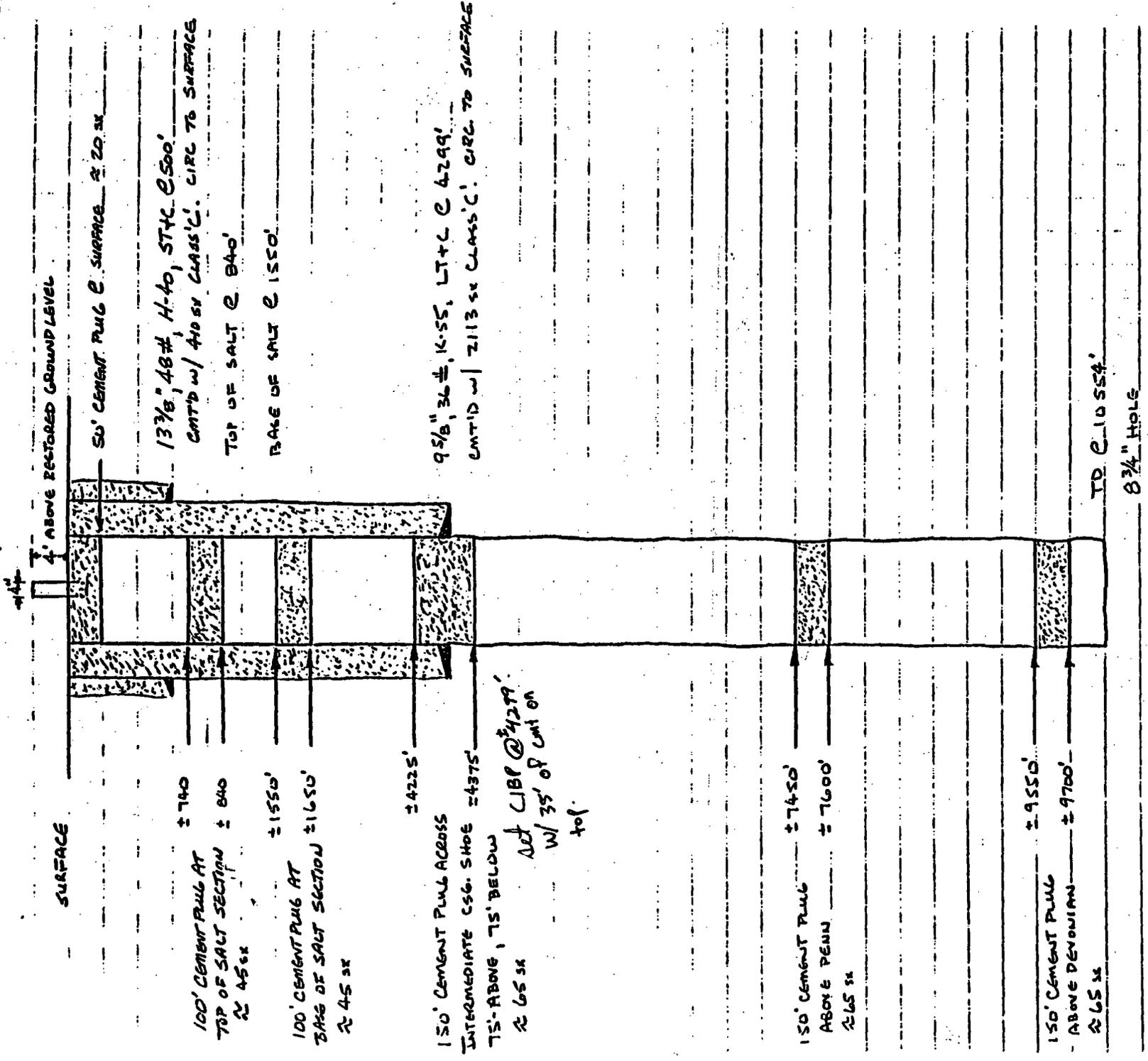
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_



\*See Instructions on Reverse Side

BLM-Roswell (W) File

MESCALERO FEDERAL "11" NO. 1  
 SE 1/4 NW 1/4 SEC 11, T-12S, R-30E (1980 FUL + 1980 FUL, UNIT F)  
 CHAVES CO., NEW MEXICO



SURFACE

4' ABOVE RESTORED GROUND LEVEL  
 50' CEMENT PLUG @ SURFACE ± 20 SK

13 7/8" 48# H-40, STYL @ 500'  
 CMT'D W/ 410 SK CLASS' C. CIRC TO SURFACE  
 TOP OF SALT @ 840'

BASE OF SALT @ 1550'

9 5/8" 36# 14-55, LT+C @ 4299'  
 CMT'D W/ 2113 SK CLASS' C. CIRC TO SURFACE

± 740  
 100' CEMENT PLUG AT  
 TOP OF SALT SECTION  
 ± 840  
 ± 45 SK

± 1550'  
 100' CEMENT PLUG AT  
 BASE OF SALT SECTION  
 ± 1650'  
 ± 45 SK

± 4225'  
 150' CEMENT PLUG ACCESS  
 INTERMEDIATE CSG. SHO. ± 4375'  
 75' ABOVE, 75' BELOW  
 ± 65 SK  
 NET CIBP @ 4299'  
 W/ 35' OF CEMENT ON  
 TOP.

± 7450'  
 150' CEMENT PLUG  
 ABOVE PENN  
 ± 7600'  
 ± 65 SK

± 9550'  
 150' CEMENT PLUG  
 ABOVE DEVONIAN  
 ± 9700'  
 ± 65 SK

TO ± 10554'  
 8 3/4" HOLE

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
HOBBS, NEW MEXICO 88240

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**CONOCO INC.**

3. ADDRESS OF OPERATOR  
**P. O. Box 460, Hobbs, N.M. 88240**

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

5. LEASE DESIGNATION AND SERIAL NO.  
**NM-60052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Mescalero Federal**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Undesignated Wolfcamp  
Undesignated Devonian**

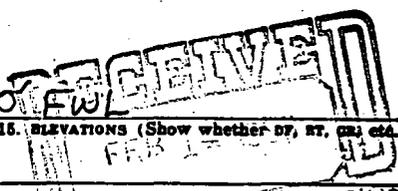
11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA  
**Sec. 11-DS-30E**

12. COUNTY OR PARISH  
**Chaves**

13. STATE  
**NM**

14. PERMIT NO.  
**30-005-21052**

15. ELEVATIONS (Show whether of, to, or, etc.)



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

NOTICE OF INTENTION TO		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>set intermed. casing</u> <input checked="" type="checkbox"/>	

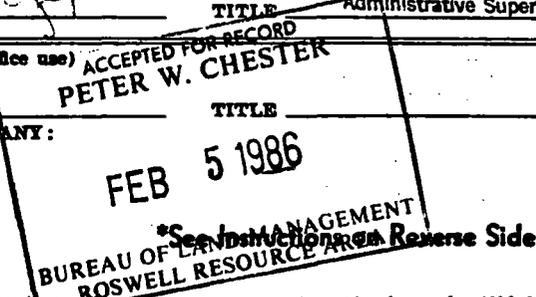
(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

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.)

- ① Set 11 jts of 9 7/8", 36#, K55, LT & C intermed. Csg @ 4299' on 1-27-86
- ② Cmt'd w/ 2113 sxs class "C" w/ 2% CaCl<sub>2</sub>, Circ. 425 sxs to surface
- ③ WOC

18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE Administrative Supervisor DATE 1-28-86

(This space for Federal or State office use) ACCEPTED FOR RECORD  
PETER W. CHESTER  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR: **CONOCO INC.**

3. ADDRESS OF OPERATOR: **P. O. Box 460, Hobbs, N.M. 88240**

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

14. PERMIT NO.: **30-005-21052**

15. ELEVATIONS (Show whether OP, ST, OR, etc.):  
**1980' FNL & 1970' FWL**

5. LEASE DESIGNATION AND SERIAL NO.: **NM-60052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: **Mescalero Federal**

9. WELL NO.: **1**

10. FIELD AND POOL, OR WILDCAT: **Undesignated Wolfcamp Undesignated Devonian**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: **Sec. 11-125-30E**

12. COUNTY OR PARISH: **Chaves**

13. STATE: **NM**

**RECEIVED**  
**FEB 14 1986**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/> <b>set surface csg</b>	

(Note: Report results of multiple completion or 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.)

- ① MIRU and spud well on 1/14/86
- ② Set 13 jts of 13 3/8", 49#, H-40, ST&C surface casing @ 506'
- ③ Lead-in w/ 250 SXS class "C" w/ 4% gel
- ④ Tail-in w/ 160 SXS class "C" w/ 4% gel
- ⑤ Circ. 100 SXS to surface. WOC

**RECEIVED**  
**JAN 17 1986**  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

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

SIGNED: [Signature] TITLE: Administrative Supervisor DATE: 1/16-86

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD  
**PETER W. CHESTER**  
DATE: **JAN 23 1986**

\*See Instructions on Reverse Side

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER  JAN 13 1986

2. NAME OF OPERATOR  
**CONOCO INC.**

3. ADDRESS OF OPERATOR  
**P. O. Box 460, Hobbs, N.M. 88240**

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

14. PERMIT NO.  
**1980' FNL & 1980' FWL**

15. ELEVATIONS (Show whether DP, RT, GR, etc.)  
**Not Available**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM-60052**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Mescalero Federal**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Undesignated Wolfcamp  
Undesignated Devonian**

11. SEC., T., R., N., OR S.E.K. AND  
SUBST OR AREA  
**Sec. 11-125-30E**

12. COUNTY OR PARISH  
**Chaves**

13. STATE  
**NM**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) **enlarge Drilling Pad**

(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.)\*

- ① We propose to increase the size of the drilling pad approved in the APD dated 12/20/85.
- ② The pad will be increased to 200' x 300' from the 175' x 275' pad previously approved. The reason for increasing the pad size is to accomodate a larger rig.
- ③ There will also be 3 turnouts installed in the off-Lease access road as per the conversation between Steve McGoffin and John Crane on 12/27/85

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

SIGNED *Kevin L. [Signature]* TITLE Administrative Supervisor DATE 12-30-85

(This space for Federal or State use)

APPROVED BY PETER W. CHESTER  
CONDITIONS OF APPROVAL, IF ANY:  
**JAN 6 1986**

BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

RECEIVED  
JAN 13 1986  
BUREAU OF LAND MANAGEMENT  
ROSWELL, N.M.

**NM OIL CONS. COMMISSION**  
Drawer DD  
Artesia, NM 88240  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**

**SUBMIT IN TRIPPLICATE\***  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-B1425

30-CO5-21052

**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  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
CONOCO INC.

3. ADDRESS OF OPERATOR  
P. O. Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1980' FNL & 1980' FWH Unit F  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

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  
10,700'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3998' GL

22. APPROX. DATE WORK WILL START\*  
Dec. 15, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	500'	410 SXS Class "C" w/28 Ccl <sub>2</sub>
12 1/4"	9 5/8"	36#	4300'	1495 SXS Class "C" w/28 Ccl <sub>2</sub>
8 3/4"	5 1/2"	15.5#, 17.0#	10700'	1442 SXS Class "H" neat

It is proposed to drill a straight hole to 10,700'. This is an exploratory well. If the Wolfcamp and Devonian formations prove commercial, this well will be dually completed in those formations. Attached is a location & acreage dedication plat, a proposed Well Plan Outline and a Surface Use Plan. Also, is attached is a land use map prepared by John West Engineering.



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

24. SIGNED [Signature] TITLE Administrative Supervisor DATE 11-14-85

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY S/Homer Meyer, Acting TITLE Area Manager DATE 20 DEC 1985

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side  
BLM-Roswell (6) File

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED BY  
DEC 21 1985  
G. C. D.  
ARTESIA, OFFICE

Form C-102  
Supersedes C-128  
Effective 1-1-85

All distances must be from the outer boundaries of the Section

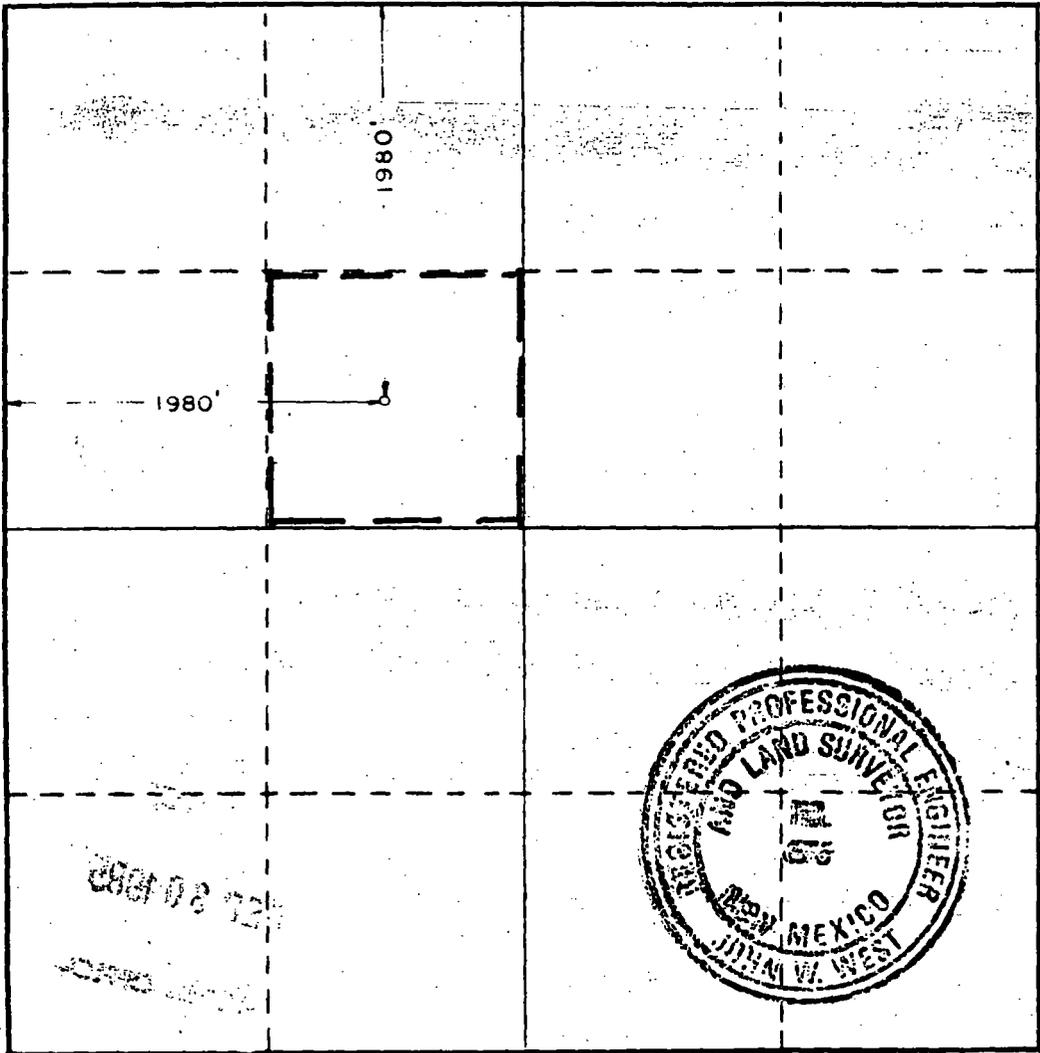
Operator CONOCO INC.		Lease CULP RANCH		Well No. 1
Section Letter F	Section 11	Township 12S	Range 30E	County CHAVES
Actual Location of Well: 1980 feet from the NORTH line and 1980 feet from the WEST line				
Ground Level Elev. 3998.0	Producing Formation Wolfcamp	Pool Undesignated Wolfcamp	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name: *John L. Logg*  
Position: Administrative Supervisor  
Company: CONOCO Inc.

Date: 11-14-85

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

Date Surveyed: 11/01/85

Registered Professional Engineer and/or Land Surveyor  
*John W. West*  
Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED BY  
DEC 21 1985  
O. C. D.  
ARTESIA, OFFICE

Form O-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

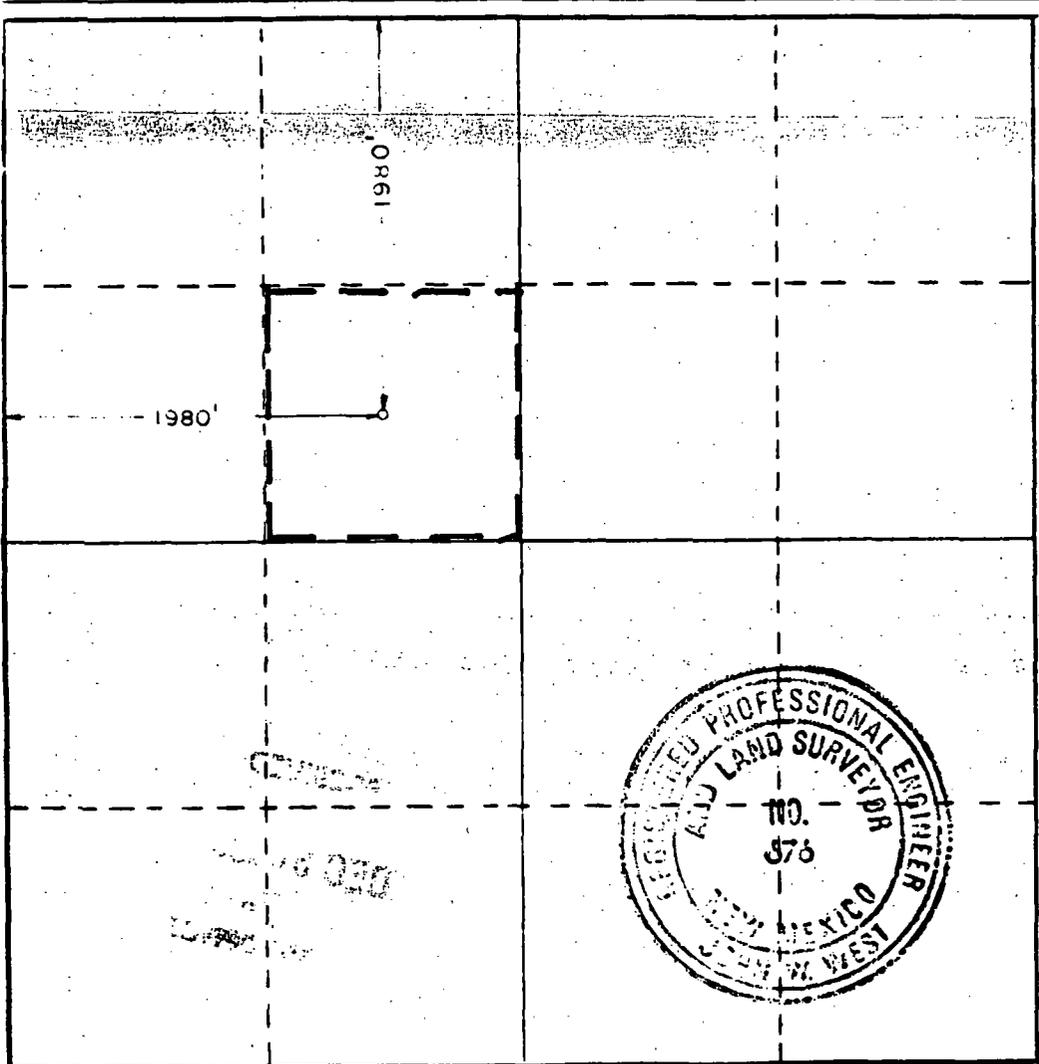
Operator CONOCO INC.		Lease GULF RANCH			WELL No.
Plot Letter F	Section 11	Township 12S	Range 30E	County CHAVES	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the WEST line					
Ground Level Elev. 3998.0	Producing Formation Devonian	Pool Undesignated Devonian	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

Name \_\_\_\_\_

Position  
Administrative Supervisor

Company  
CONOCO Inc.

Date  
11-14-85

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

*[Signature]*

Date Surveyed  
11/01/85

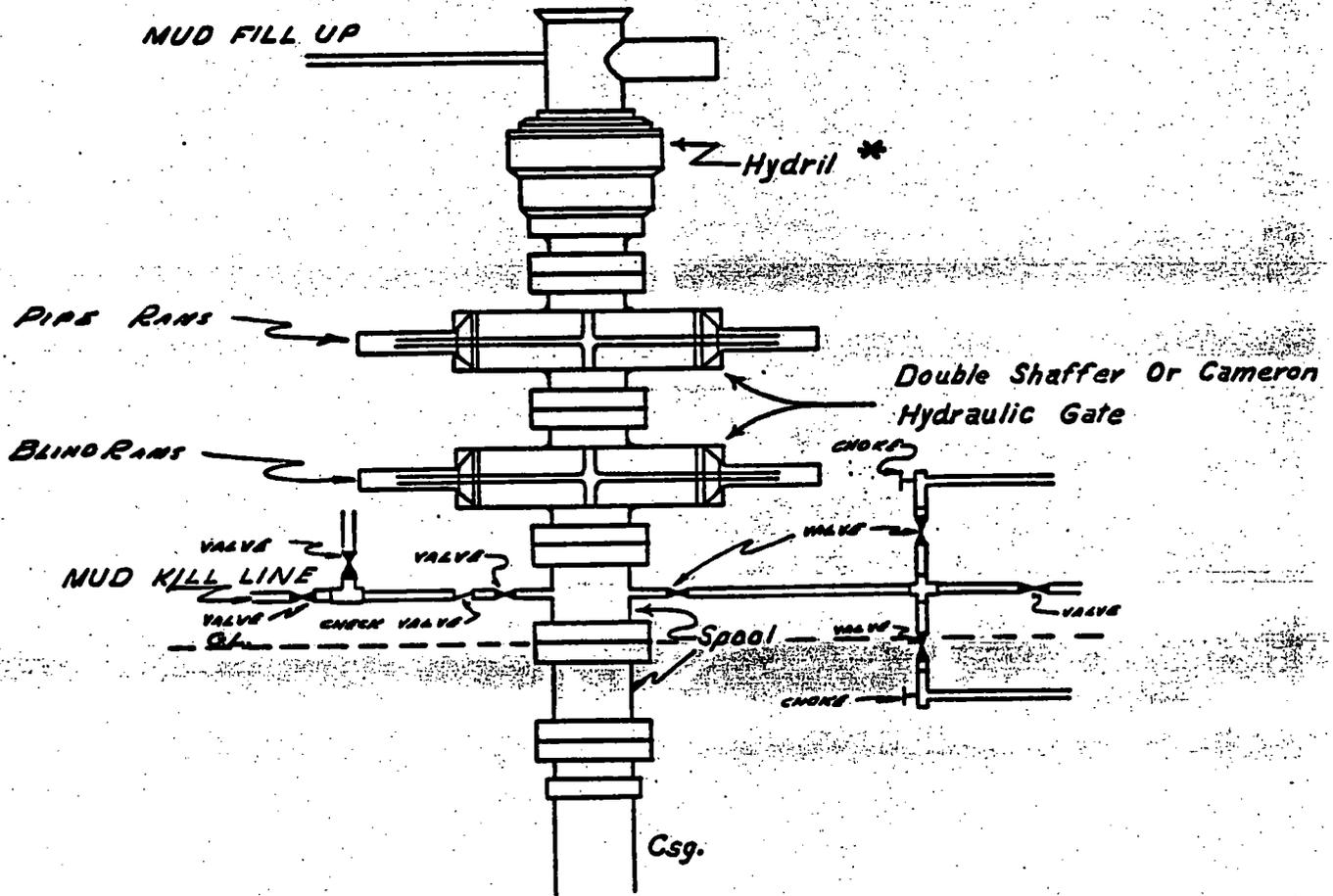
Registered Professional Engineer and/or Land Surveyor  
*[Signature]*

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239



CONOCO INC.

Blow-out Preventer Specifications



NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.  
Remote controls on rig floor.

**\* DUE TO SUBSTRUCTURE CLEARANCE, HYDRIL MAY OR MAY NOT BE USED.**

**WRS COMPLETION REPORT**

COMPLETIONS SEC 11 TWP 12S RGE 30E  
PI# 30-T-0008 08/22/88 30-005-21052-0001 PAGE 1

NMEX CHAVES \* 1980FNL 1980FWL SEC SE NW  
STATE COUNTY FOOTAGE SPOT

FOY & MIDDLEBROOK U X  
OPERATOR WELL CLASS INIT FIN

WD-1 MESCALERO FEDERAL  
WELL NO. LEASE NAME

3998GR CHAVES CO UNDESIG  
OPER ELEV FIELD POOL AREA

API 30-005-21052-0001  
LEASE TYPE NO. PERMIT OR WELL I.D. NO.

08/16/1988 WO-UNIT AB-LOC  
SPUD DATE COMP. DATE TYPE TOOL STATUS

4225  
PROJ. DEPTH PROJ. FORM CONTRACTOR

OTD 10554  
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

28 MI NE DEXTER, NM

DRILLING PROGRESS DETAILS

FOY & MIDDLEBROOK  
310 W WALL STE 210  
MIDLAND, TX 79701  
915-687-0144

OWWO: OLD INFO FORMERLY CONOCO INC #1 MESCALERO  
FEDERAL. ELEV 3998 GR. SPUD 1/13/86. 13 3/8 @  
506 W/410 SX, 9 5/8 @ 4299 W/2113 SX. LOG TOPS:  
MISSISSIPPIAN 9580, WOODFORD 10235, DEVONIAN  
10259. OTD 10554. COMP 3/22/86. D&A.  
WATER DISPOSAL WELL

07/18 LOC/1988/  
08/17 ABND OWWO

IC# 300057007488