



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

(JRG/9) - 01 rino e arrivato

CONFIDENTIAL

5091 J 1 194000000

62-0000000

02229 photo images to show a building and the 0229 photo shows a single
 curtain has covered 50% of the window to show no of this possibly view of the
 on the day a 100% view of the 0229 photo and the 0229 photo is a view of the
 of the building to the west with the building in the foreground and the building in the
 background.

Enclosed for the Director of the FBI are two copies of a letterhead memorandum (LHM) dated and captioned as above. The LHM is being prepared by the FBI in response to a request from the Department of Justice, Office of the Inspector General, dated and captioned as above. The LHM is being prepared by the FBI in response to a request from the Department of Justice, Office of the Inspector General, dated and captioned as above. The LHM is being prepared by the FBI in response to a request from the Department of Justice, Office of the Inspector General, dated and captioned as above.

and there is no possibility of further delay in the completion of the project. The project is now in the final stages of completion and it is expected that the results will be available within a few days.

(5) The proposed rule will be subject to the review of the Division of the Department of the Interior. The proposed rule will be subject to the review of the Division of the Department of the Interior. The proposed rule will be subject to the review of the Division of the Department of the Interior.

[illegible][illegible][illegible]

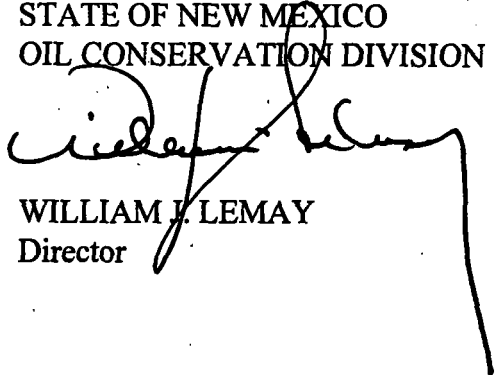
At the time of the hearing, the Commission was not aware of any other cases involving the same or similar facts. The Commission is not aware of any other cases involving the same or similar facts.

10-10-68

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

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

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

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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 recomple 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 recompleting 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 recomple 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.

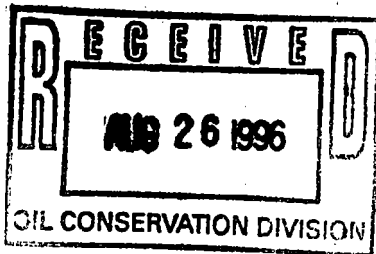
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

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:bjja

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:

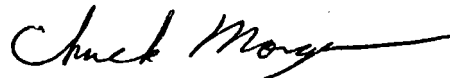
SDX Resources, Inc. respectfully requests administrative approval for the above captioned lease. A complete copy of the Application to Drill (re-entry) is enclosed.

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 MANAGEMENTOriginal 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	13. STATE NM

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 surface1980' 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

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 <i>Chuck Morgan</i>		TITLE <u>Engineer</u>		APPROVED <u>PETER W. CHESTER</u> DATE <u>May 23, 1996</u>	
(This space for Federal or State office use)				<i>Peter W. Chester</i> JUN 6 1996	
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 <i>NMOSD approval needed for unauthorized location</i>			
APPROVAL BY _____		TITLE _____		DATE _____	

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the
United States any false statement or to omit any material within its jurisdiction.

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 1
7 OGRID No. 020451		8 Operator Name SDX Resources, Inc.			9 Elevation 4003' GL

10 Surface Location

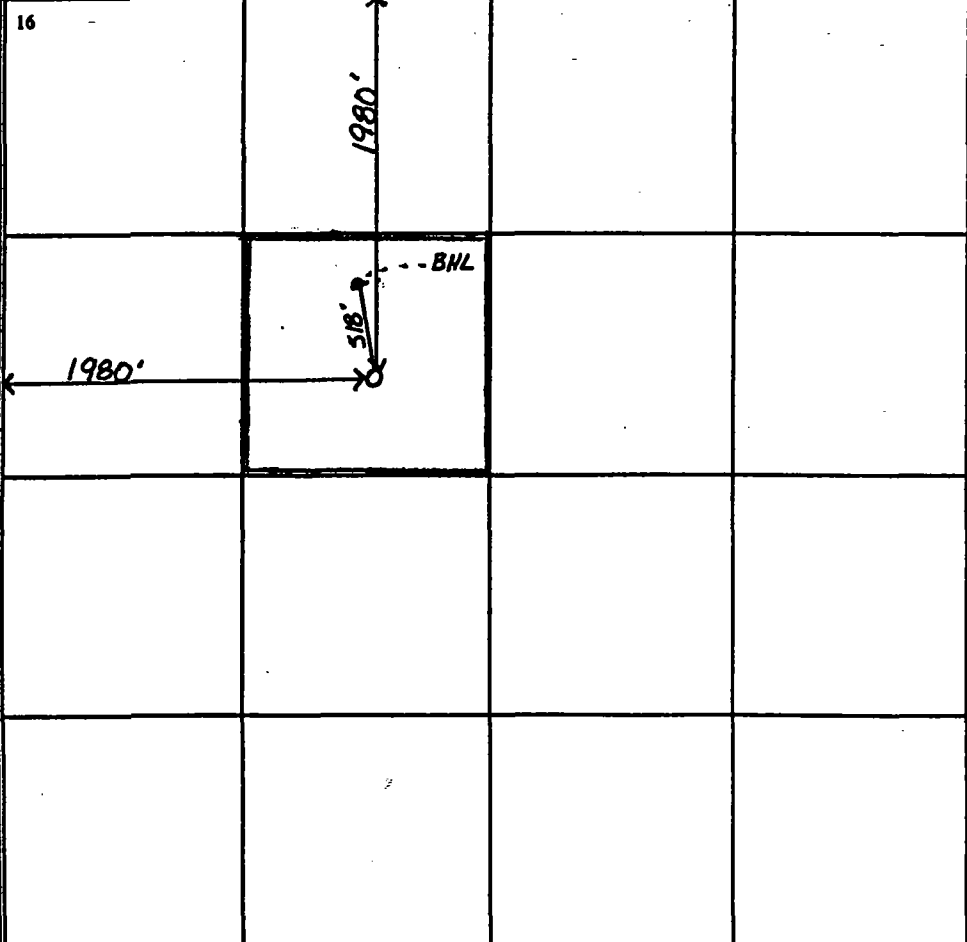
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1980	North	1980	West	Chaves

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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <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>
	<div>18 SURVEYOR CERTIFICATION</div> <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>
	Certificate Number

[illegible]

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 SHEETLense Mescalero FederalWell No. 1Location 1980' FNL & 1980' FWL, Sec. 11,
T-12-S, R-30-E (F)County ChavesState New MexicoK.B. Elev. 4022'G.B. Elev. 4003'D.F. Elev. 4021'

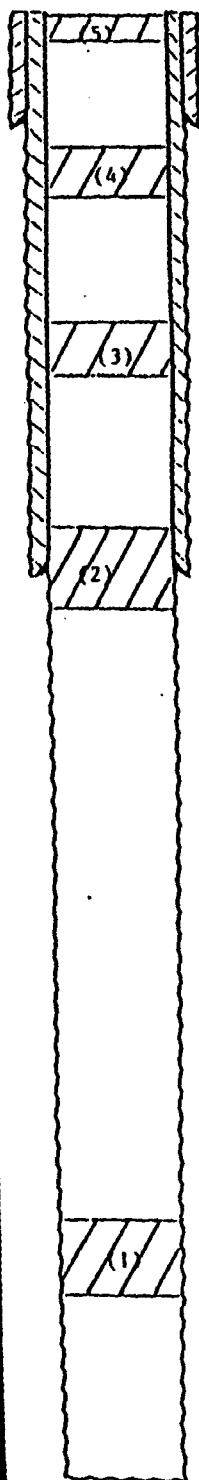
Date Plugged

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&CSet @ 429'w/ 350 Sk.Hole Size 16"

Cement circulated.

Tested csg to 600#

Held O.K.

9-5/8" 36"
Gr. K-55 Thd. LT&CSet @ 4300w/ 2113 Sk.Hole Size 12-1/4"

Cement circulated.

Tested csg to 1040#

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'

DST Results

UNDESIGNATED - DEVONIAN - CHAVES COUNTY, NEW MEXICO - 1.0000000

API NUMBER: 30-005-21052

API NUMBER: 40-20-4765

D & T Mescalero 11 NO. 1 - OBJECTIVE: 10,700' DEVONIAN

LOCATION: 1980' FNL & 1980' FWL OF SECTION 11, T-218, R-30E

T-10,334' FNL; NA RMT; NA RMT; NA DATE SPON: 1/14/86

RIG BTL: 3/22/86 COMPLETE: P&A FOUNDATIONS: DEVONIAN PERFS:

WIRE WORK DONE: Run 13 jts 13-3/8" surface csg. BU Drivell.

Cemented csg w/350 ac class "C" w/42 gal. Returns to surface.

Tested to 600 psi w/no leaks. BU Schlumberger. Logged well

w/GR-MIL-MFL-CAL & MCT-LDT-FML-FDC from 4296'-1500' (GR-CAL to

500'). 2nd run w/GR-LSS from 4296'-2200'. Run 103 jts 9-5/8",

36", K-55 LT&C intermediate csg. BU Drivell. Cased csg w/1163

class "C" 1163' light & 182' steel & 950' ac class "C" & 22' CACL.

Returns to surface. Tested to 1040 psi w/no leaks. BU

Schlumberger. Logged well w/MIL-MFL-GR-CAL from 10,483'-4300'

& CHL-LDT-FDC-GR-CAL from 10,484'-4300'. 3rd run w/LSS-GR

from 8970'-4300'. DST #2: Flopotential-Johnston 10,227'-10,350'.

Surface performance: Steady increasing blow to 15.37 psi during

17; increased to 69.45 psi during FF. Drill Pipe Recovery:

8571' total fluid; slightly oil cut and. Sample chamber

recovery: Pressure: 40 psi. C.G. Mud: 10.01 C.G. Oil: 520

C.G. Viscosity: 1870 C.G. Mud: 10.01 C.G. Oil: 520

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-Lynce

Testing 10,259'-10,305'. Surface performance: First flow inc.

to 1.3 ac; 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 NW

Sample Chamber Recovery: Chamber contaminated - not reported.

Set blanced cut plug from 10,259'-9340' w/410 ac class "H" cut.

DST #4, no test, plug failed. DST #5: Flopotential-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 3.41 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 Drivell. Set 85 sx "H" cut plug from 7670'-7470'. Set 105 sx

class "H" cut plug from 4375'-4225'. BU wireline & engaged top

of cut top at 4231'. Set 45 ac class "H" cut plug from

1675'-1575'. Set 45 ac class "H" cut 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 & 12' CACL2. Welded plate onto 11-7/8" csg & placed

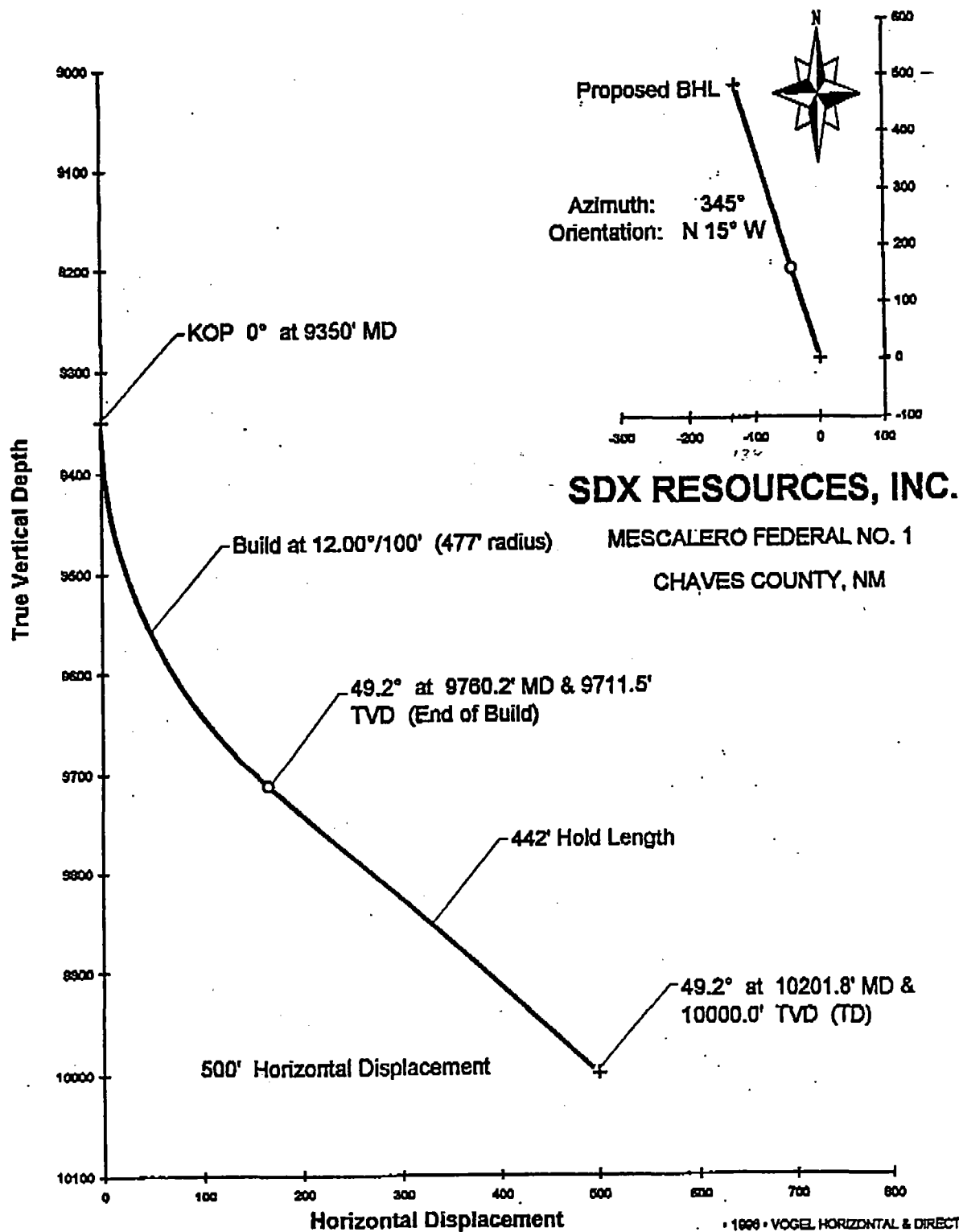
well abandonment marker 4' above GL.

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



**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 potentialled 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.

Pinwell

75

-6352

70

65

50

55

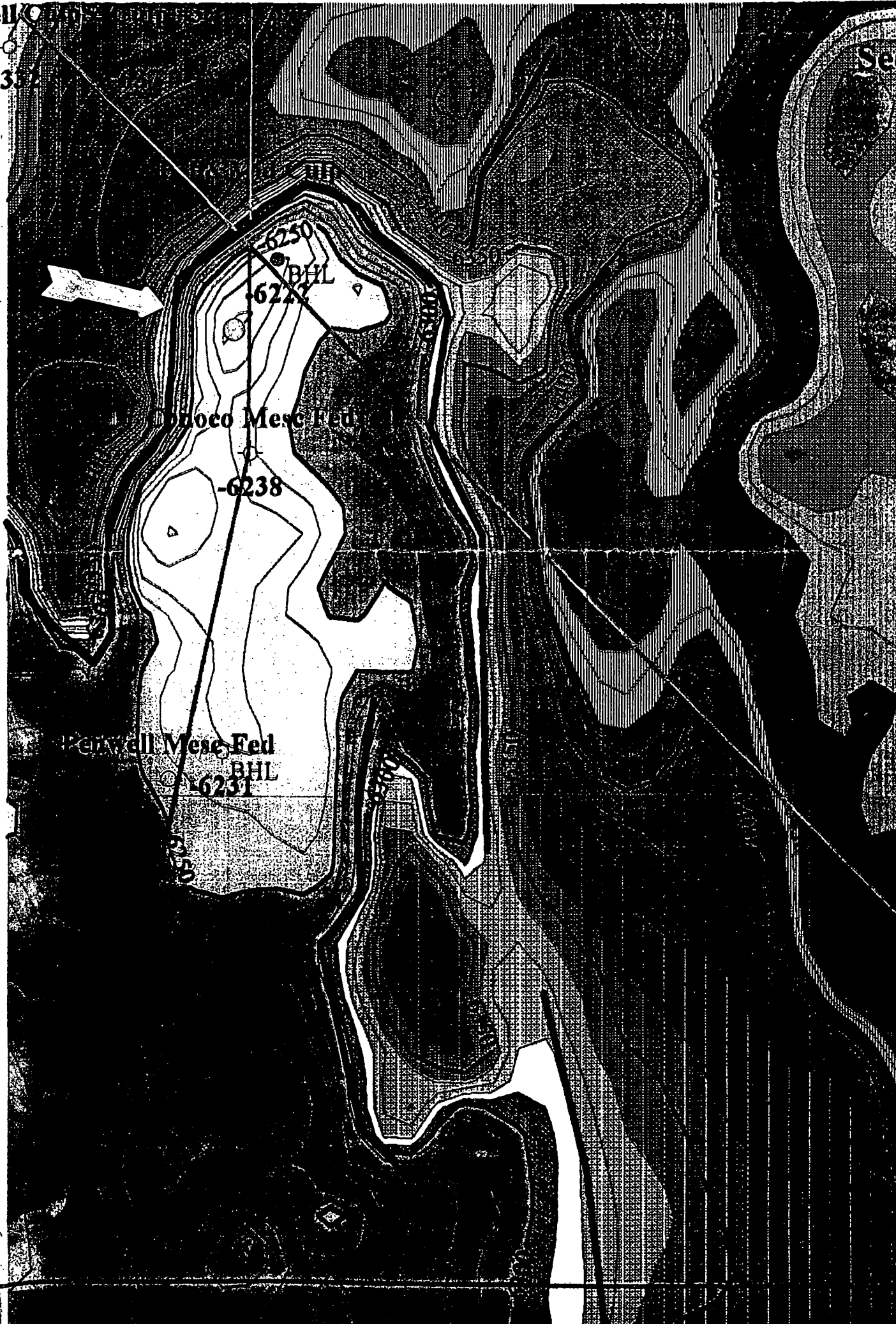
50

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35

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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,

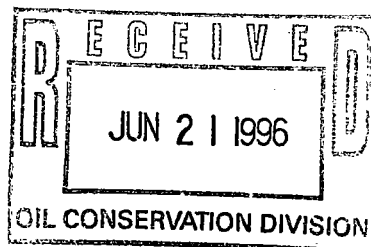
A handwritten signature in dark ink, appearing to read "Michael E. Stogner", written over a horizontal line.

**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. respectfully 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

OPERATOR'S COPY

SUBMIT IN 10 LOCATIONS
(Other instructions on reverse side)

RECEIVED

FORM APPROVED

JUN 1 1996
OMB NO. 1004-0136
Expires February 28, 1995UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOriginal 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')

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

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

Chuck Morgan
Engineer

(This space for Federal or State office use)

PERMIT NO.

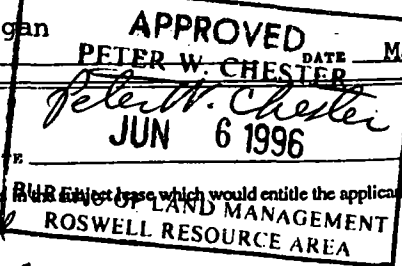
APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights 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 approval
needed for
unorthodox location

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the
United States any false, fictitious or fraudulent statement or report, or to conceal or destroy any document or record within its jurisdiction.

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

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 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>	

[illegible]

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

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

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☒ Other *APD unspudded re-entry*

2. Name of Operator

SDX Resources, Inc.

3. Address and Telephone No.

PO Box 5061, Midland, TX 79704 915/684-1761

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

1980' FNL & 1980' FWL
Sec 11, T12S, R30E
Unit F

5. Lease Designation and Serial No.

NM 60052

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Mescalero Federal #1

8. Well Name and No.

30-005-21052

9. API Well No.

Graham Springs Devonian

10. Field and Pool, or Exploratory Area

Chaves Co., NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other *Change of Operator*
effective 4-1-96

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

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

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

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*

(This space for Federal or State office use)

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

APPROVED
PETER W. CHESTER

Date 6-4-96

JUN 5 1996

Date

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.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK *Change in procedure & 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 surface1980' 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 drig. unit line, if any)1480'
(160')16. NO. OF ACRES IN LEASE
64017. NO. OF ACRES ASSIGNED
TO THIS WELL
4018. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED, 990' Surf Loc
OR APPLIED FOR, ON THIS LEASE, FT. ** 508' Btm Loc19. 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

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 APPROVED PETER W. CHESTER 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 there.

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

APPROVED BY _____ TITLE _____ DATE _____

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 50
OGRID No. 020451		Operator Name SDX Resources, Inc.			Elevation 4003' GL

¹⁰ Surface Location

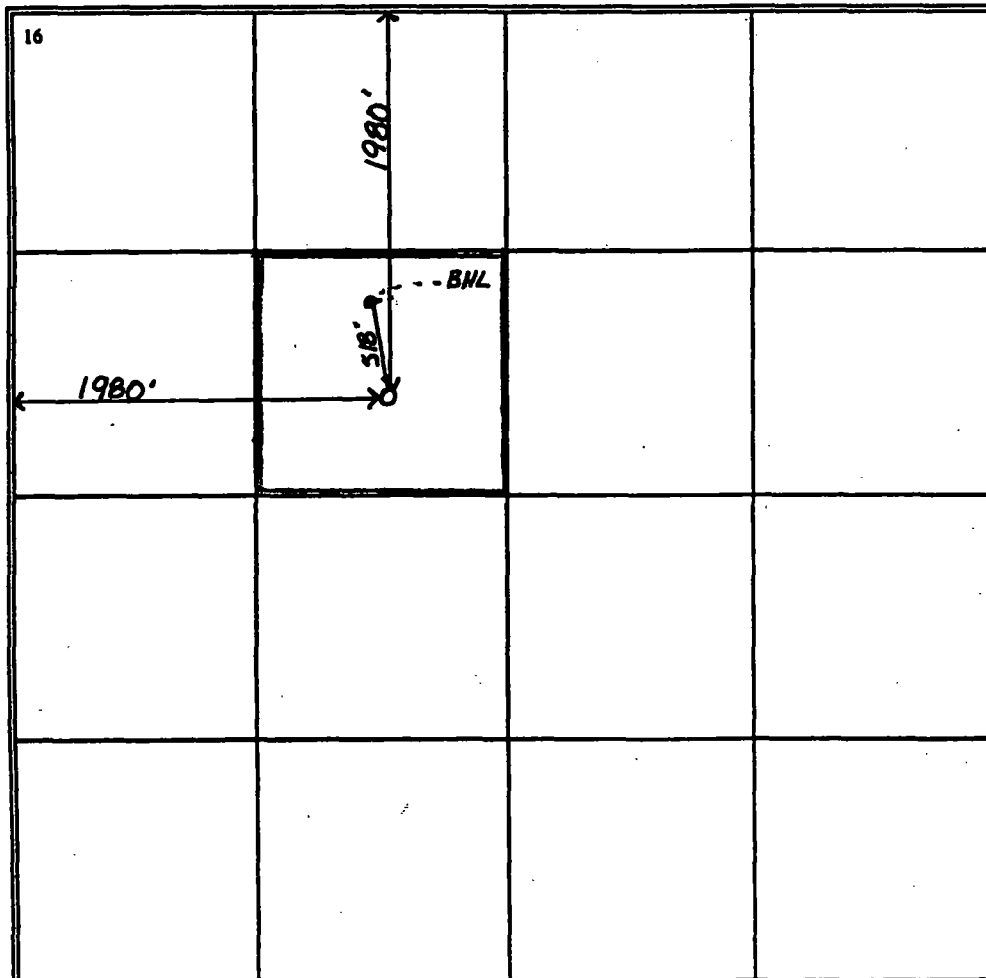
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12S	30E		1980	North	1980	West	Chaves

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.
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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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <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></p> <p>Signature</p> <p>Chuck Morgan</p> <p>Printed Name</p> <p>Engineer</p> <p>Title</p> <p>May 23, 1996</p> <p>Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <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</p> <p>Signature and Seal of Professional Surveyor:</p>
	Certificate Number

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

RECEIVED
MAY 31 12 13 PM '96
SDX
RESOURCES, INC.
CHAVES CO., NM

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:

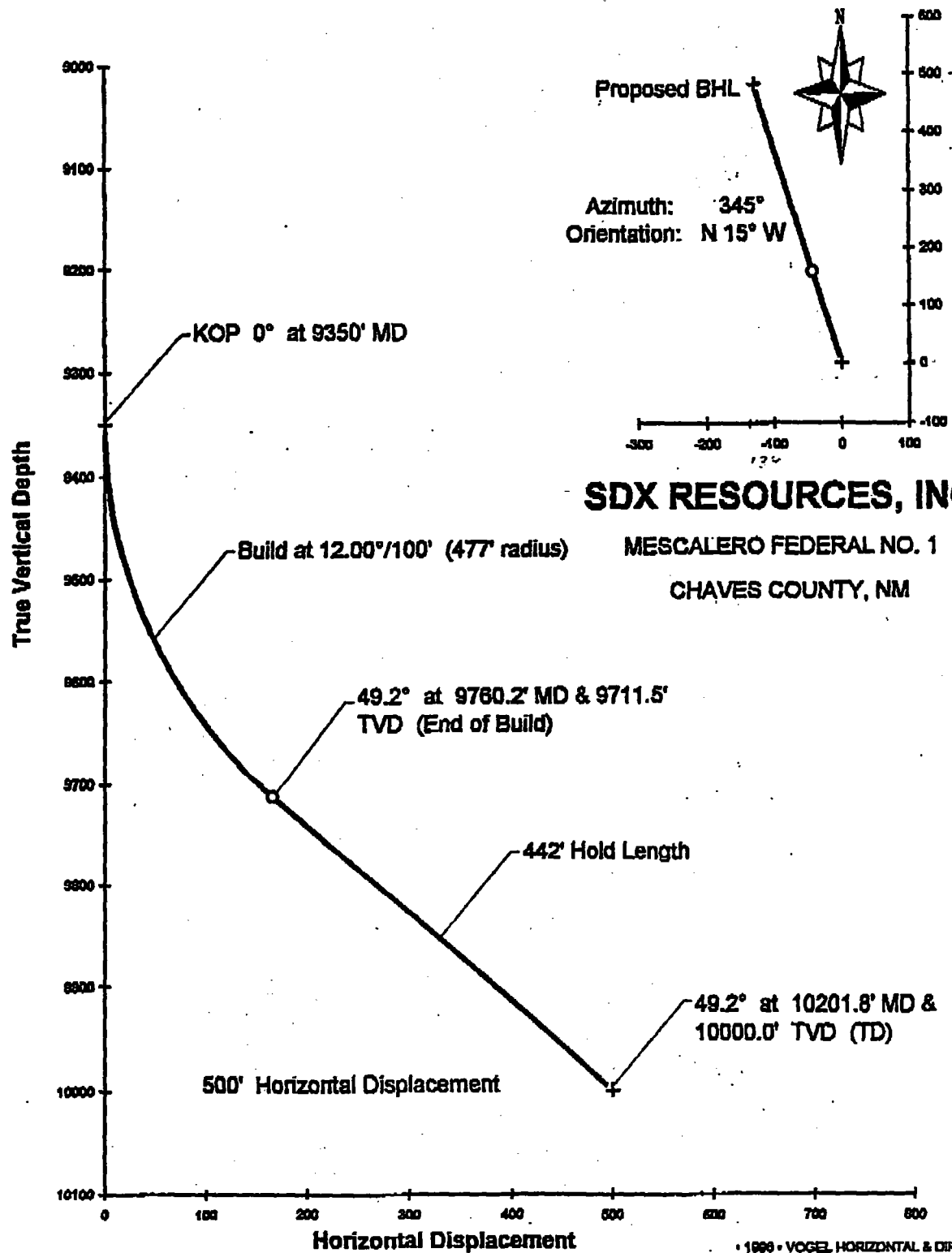
None anticipated. Based on other offset wells, bottomhole pressure at TD is expected to be 4000 psi with a bottomhole temperature of 170 degrees.

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



SDX RESOURCES, INC.

MESCALERO FEDERAL NO. 1
 CHAVES COUNTY, NM

DATE 5-9-88

PRESENT
WELL DATA SHEET

Lense Mescalero Federal

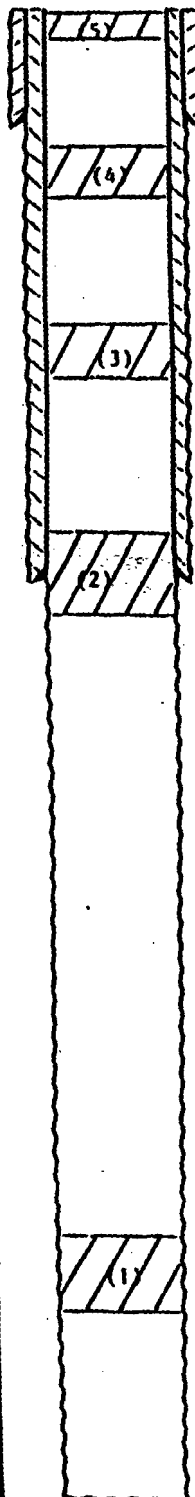
Well No. 1

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' - 7670'
- (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
APR NUMBER: 30-003-21052 ASR NUMBER: 40-20-4789
P & T Mescalero 11 NO. 1 - OBJECTIVE: 10,700' DEVONIAN
LOCATION: 1980' FNL & 1980' FWL OF SECTION 11, T-12-S, R-30-E
TDS: 10,334' FNL; NA RBN; MAGL ELEV: NA DATE SPUD: 1/14/86
RIG REL: 3/22/86 COMPLETED: F&A FORMATION: DEVONIAN PERMI
WORK WORK DONE: Run 13 jts 13-3/8" surface csg. BU Drwell.
Circulated csg w/350 sk class "C" w/45 gal. Returns to surface.
Tested to 600 psi w/no leaks. BU Schlumberger. Logged well
w/GR-DLL-MFL-CAL & MCT-LDT-CAL-FDC from 4296'-1500' (GR-CAL to 500').
2nd run w/GR-LSS from 4296'-1770'. Run 103 jts 9-5/8".
3rd, K-55 LT&C intermediate csg. BU Powell. Cmt csg w/1163
class "C" light & 182 skt & 950 sk class "C" & 22 CACLS.
Returns to surface. Tested to 1040 psi w/no leaks. BU
Schlumberger. Logged well w/MFL-MFL-GR-CAL from 10,481'-4300'
& CUL-LDT-FDC-GR-CAL from 10,404'-4300'. 3rd run w/LSS-GR from
8970'-4300'. DST #2: Pinpoint-Johnston 10,229'-10,530'.
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.G. Oil: 570.
C.G. Water: 1870 C.G. Mud: 10. Tot. Liq.: 2400 API Gravity:
39.4 at 60°F at 40°F. Drill Pipe Recovery: 486' gas &
Scavenger cut drilling fluid: 2.47 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, 5694'
heavy oil cut water; 1300' water. Pit Recovery: 23 BG, 113 BU
Sample Chamber Recovery: Chamber contaminated - not reported.
DST #4, no test, para. interval 10,240'-9540' w/410 sk class "H" cmt.
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: 484' gas &
scavenger cut drilling fluid: 2.47 bbls total fluid. Sample
chamber Recovery: Pressure: 200 psi. All zones non-commercial.
BU Drwell. Set 85 sx "H" cmt plug from 7670'-7670'. 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 sk & 12 CACLS. 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"

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 (H₂S).
2. The proper use and maintenance of personal protective equipment and life support system.
3. The proper use of H₂S 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 H₂S 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 H₂S 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:

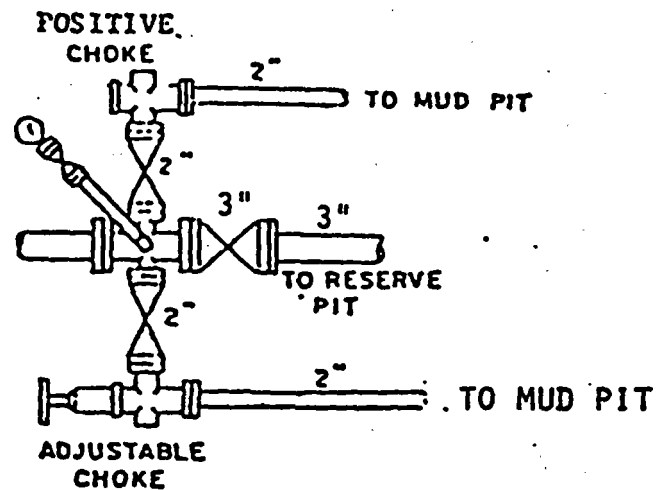
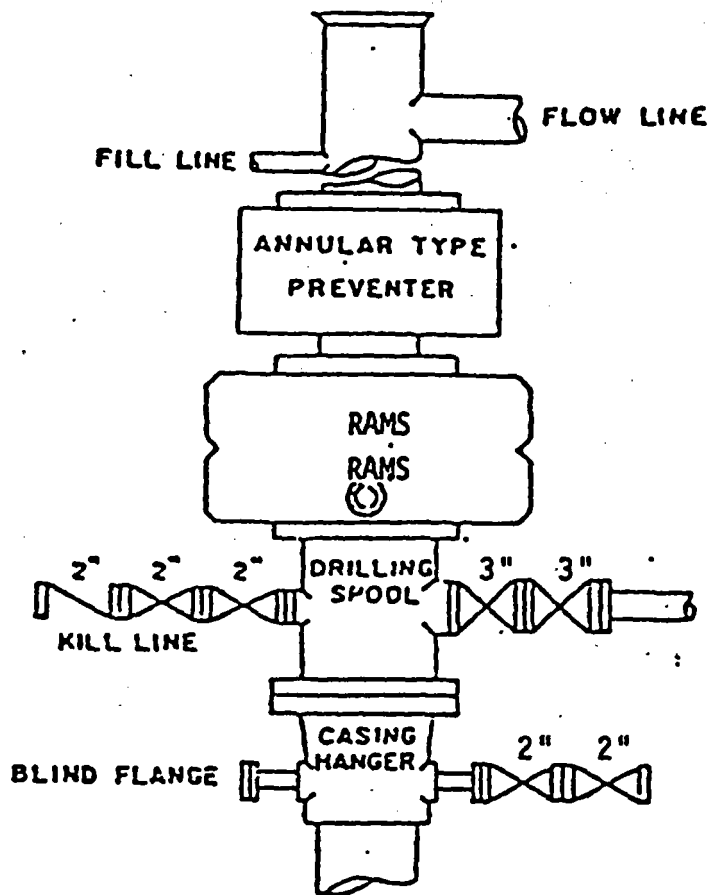
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service as necessary.

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 Office

5 C

OIL CONSERVATION DIVISION
RECEIVED
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 000095 19022	Property Name Mescalero Federal #1	Well Number #1

II. Surface Location

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

UL or lot no. F	Section 11	Township 12S	Range 30E	Lot Idn	Feet from the 1480	North/South line North	Feet from the 1846	East/West line West	County Chaves
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Lee Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date
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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: *Jerry S. Sinton*
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 <i>M. G. Guss</i>	Printed Name PED Oil Corp. Title Vice President OGRID No: 149142

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.
NMO-3160-2

8 52 UNITED STATES
DEPARTMENT OF THE
BUREAU OF LAND

APPLICATION FOR PERMIT TO DRILL

10. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG-BACK ☒

11. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

12. NAME OF OPERATOR

P E D Oil Corporation

13. Area Code & Phone No.

915/684-5741

14. ADDRESS OF OPERATOR

P. O. Drawer 3547, Midland, TX 79702

15. 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

16. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

28 miles NE of Dexter, NM

17. DISTANCE FROM PROPOSED

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

1130.6'

18. NO. OF ACRES IN LEASE

40

19. NO. OF ACRES ASSIGNED

TO THIS WELL

40

20. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1205.55' XX

21. PROPOSED DEPTH

10,400'

22. ROTARY OR CABLE TOOLS

Rotary

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

GL 4003'

24. APPROX. DATE WORK WILL START

November 27, 1995

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.

25. SIGNED Michael Guss TITLE Vice President DATE 10/25/95

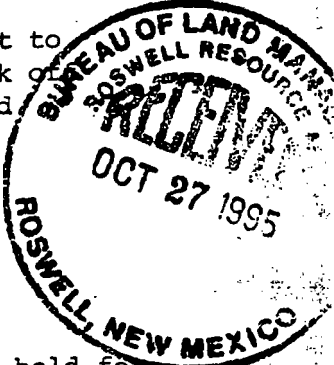
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY T.R. Kruger TITLE Area Manager DATE 11/12/95

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.

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



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

¹⁰ Surface Location

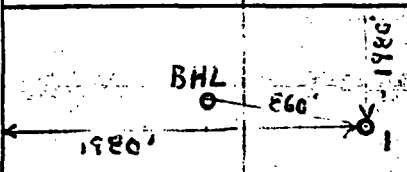

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	12 S	30 E		1980	North	1980	West	Chaves

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
E	11	12 S	30 E		1845.5	North	1130.6	West	Chaves

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Michael L. Guss Printed Name Vice President Title 10/25/95 Date			
	¹⁸ SURVEYOR CERTIFICATION <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> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number			

Form C-122
Supersedes L-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

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.

Time

3-51117

Position Administrative Supervisor

ॐ नमः शिवाय

CONOCO Inc.

712

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

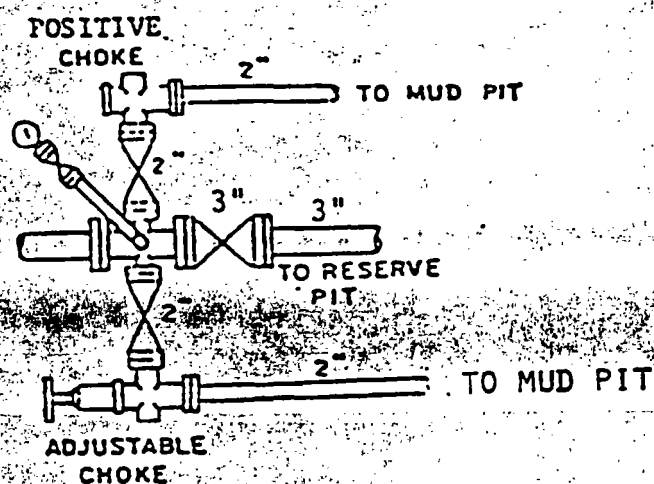
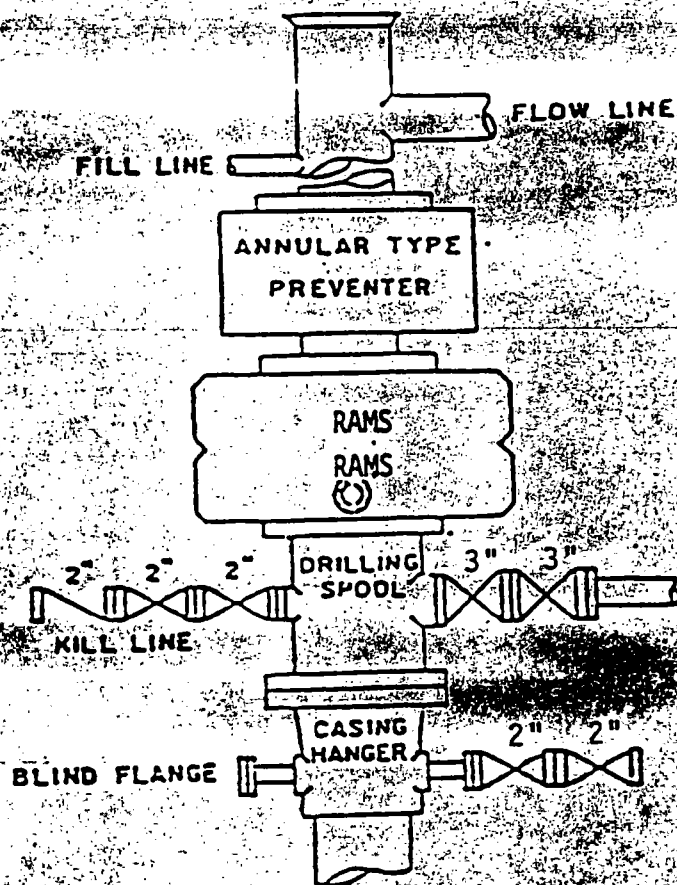
Registered Professional Engineer
and/or Land Surveyor

Certificate No. JOHN W. WEST.

. 676

ROMAN, J. SINDON

3239



BOP STACK

3000 PSI WORKING PRESSURE



BOP ARRANGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N. M. OIL CONS. COMMISSION
P. O. BOX 1080
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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal Well	7. UNIT AGREEMENT NAME Culp Ranch
2. NAME OF OPERATOR Foy and Middlebrook	8. FARM OR LEASE NAME Mescalero Federal #1
3. ADDRESS OF OPERATOR 310 W. Texas, Suite 210, Midland, Texas 79701	9. WELL NO. 1
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 F5 1988	10. FIELD AND POOL, OR WILDCAT UNDESIGNATED SAN ANTONIO
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T-12-S, R-30-
15. ELEVATIONS (Show whether DT, ST, OR, etc.) OIL CONSERVATION DISTRICT SANTA FE	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) SWD Well ☒

(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.



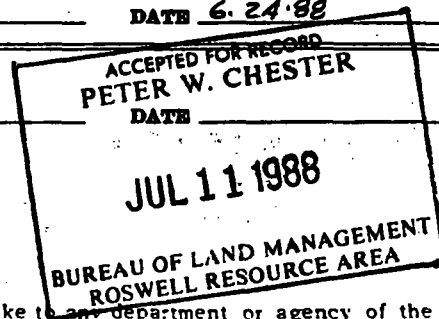
18. I hereby certify that the foregoing is true and correct

SIGNED Peter W. Chester TITLE ENGINEER DATE 6.24.88

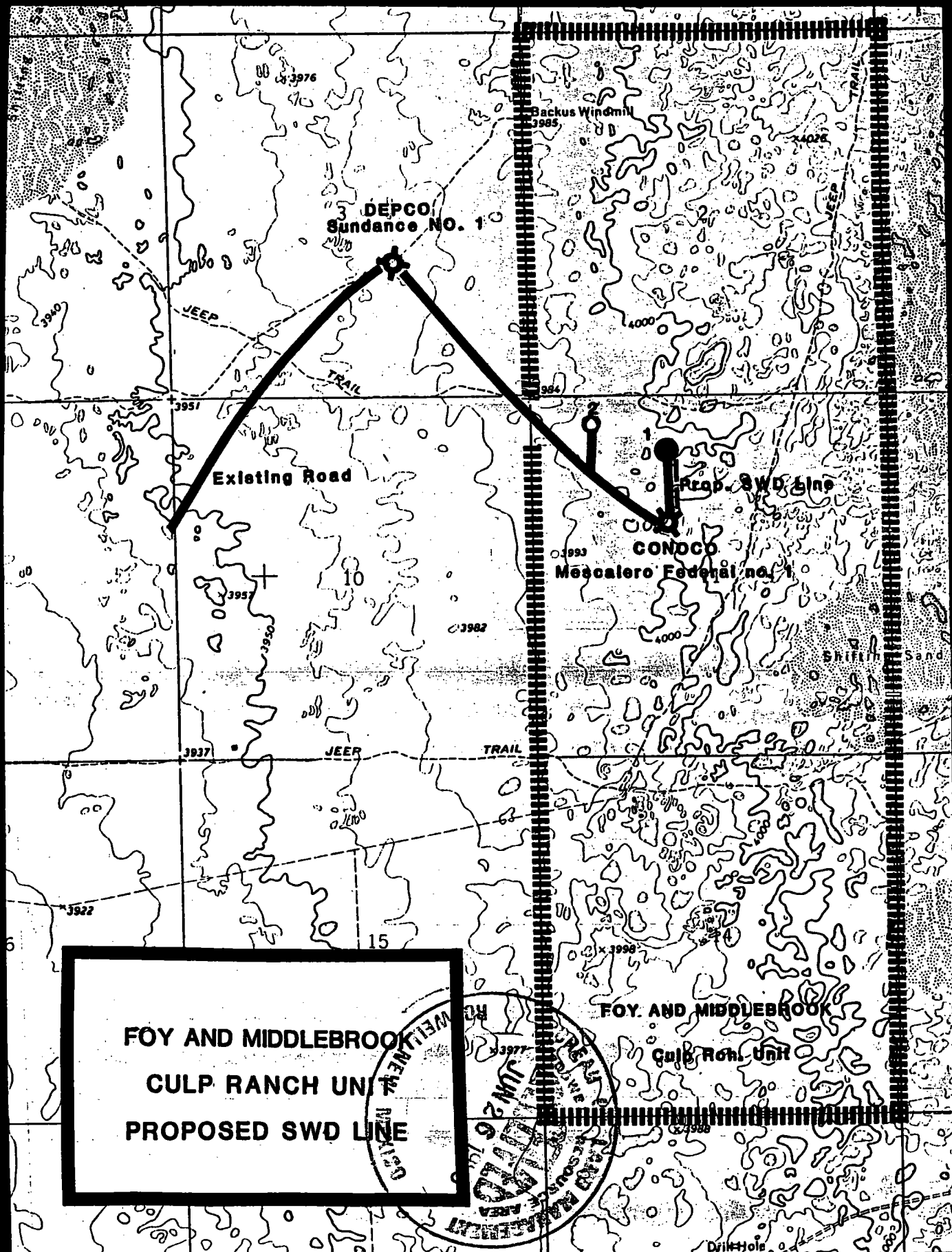
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

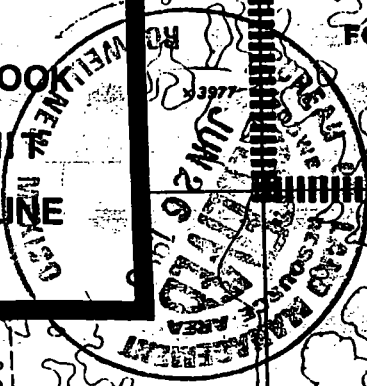
CONDITIONS OF APPROVAL, IF ANY:



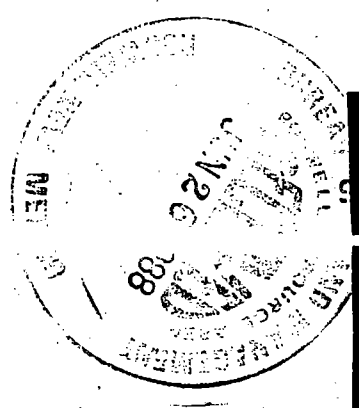
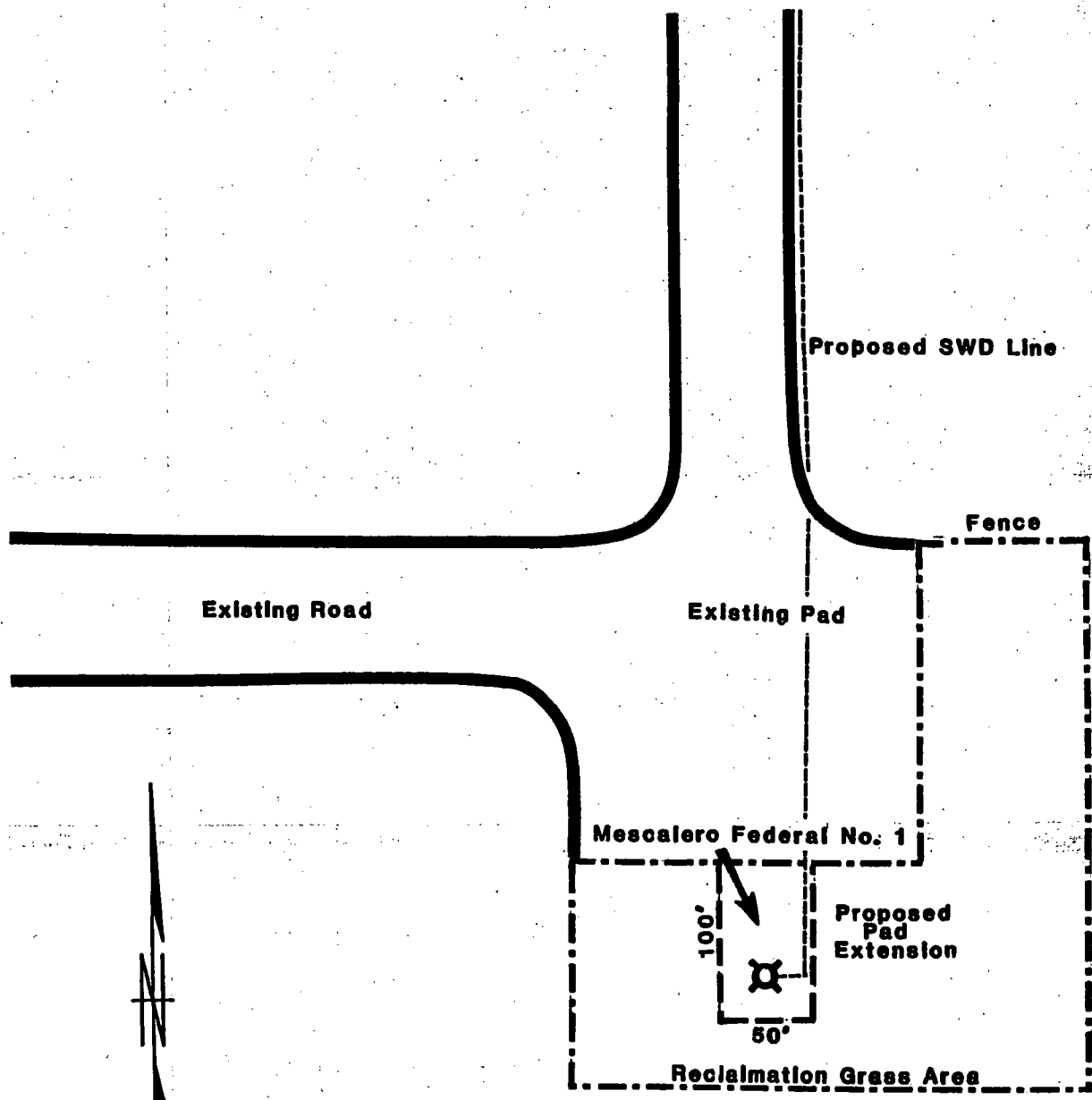
*See Instructions on Reverse Side



FOY AND MIDDLEBROOK
CULP RANCH UNIT
PROPOSED SWD LINE



FOY AND MIDDLEBROOK
Culp Ranch Unit



**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.)

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

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) SWD Well <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.)*

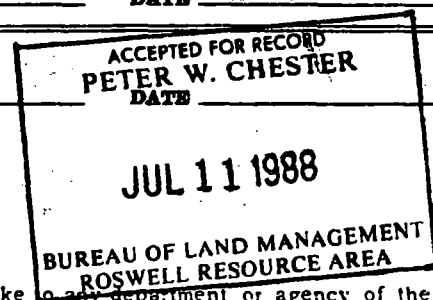
As requested the following are attached to be made a part of the SWD application for the proposed conversion of the Mescalero Federal No. 1 to Salt Water Disposal Service.

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

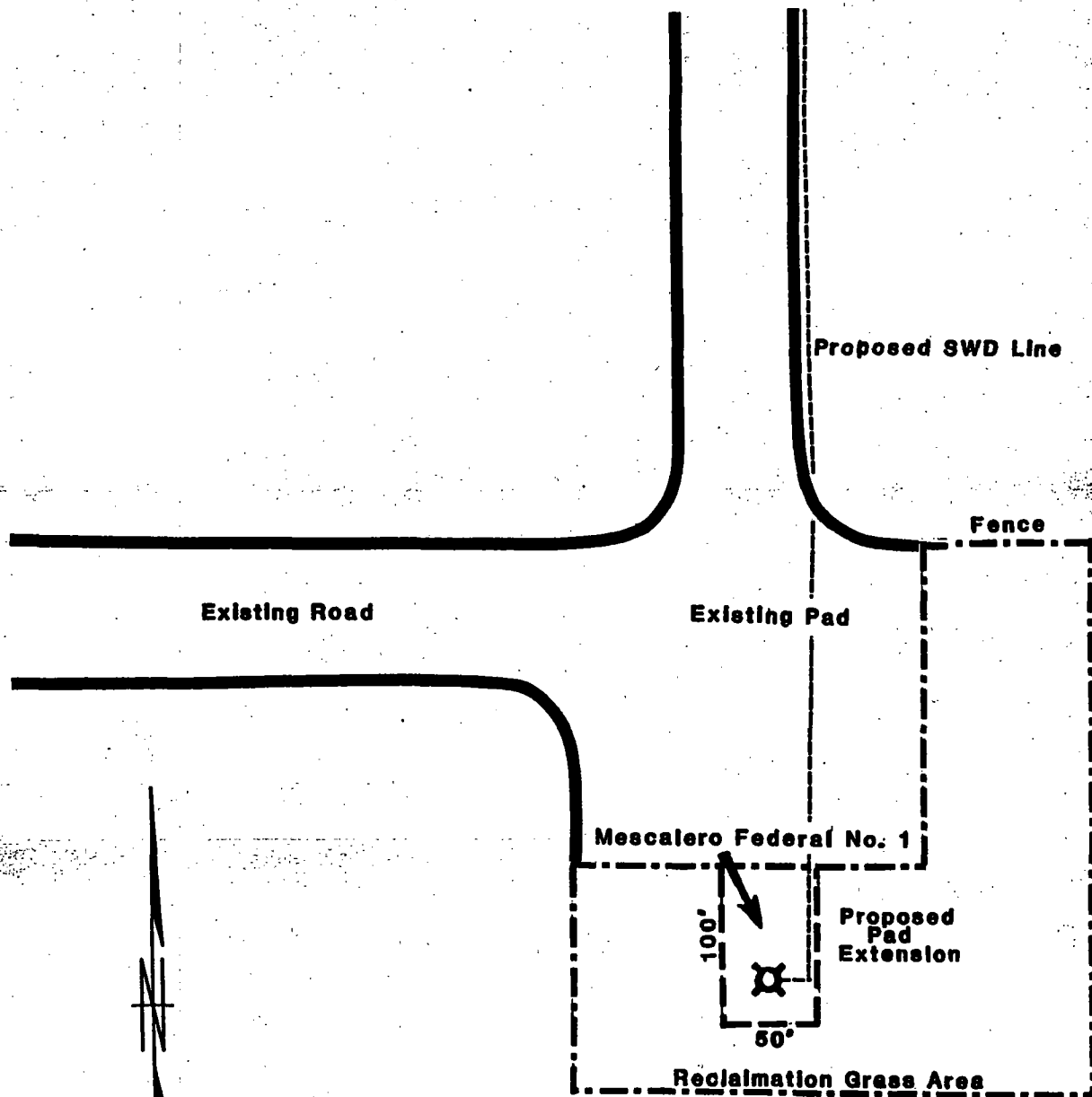


10. A BUREAU OF LAND MANAGEMENT FORM

SIGNED <i>[Signature]</i>	TITLE <u>ENGINEER</u>	DATE <u>6-24-88</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	
CONDITIONS OF APPROVAL, IF ANY:		



*See Instructions on Reverse Side



UNITED STATES N. M. OIL & GAS COMMISSION
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BOX 1580
SBS, 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.)

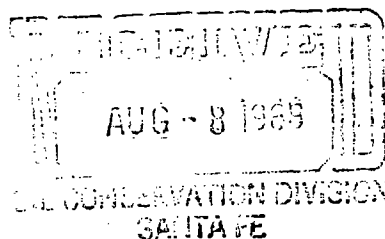
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Salt Water Disposal Well	7. UNIT AGREEMENT NAME Culp Ranch
2. NAME OF OPERATOR Foy and Middlebrook	8. FARM OR LEASE NAME Mescalero Federal
3. ADDRESS OF OPERATOR 310 W. Texas, Suite 210, Midland, Texas 79701	9. WELL NO. 1
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)	10. FIELD AND POOL, OR WILDCAT (undesignated) San Andres
14. PERMIT NO.	11. SEC., T., R., N. OR S.W. 1/4 AND SURVEY OR AREA Sec. 11, T-12-S, R-30-E
15. ELEVATIONS (Show whether OF, AT, OR, etc.) KB 4022' GL 4003'	12. COUNTY OR PARISH Chaves
	13. STATE New Mexico

19. 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"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Salt Water Disposal	<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.



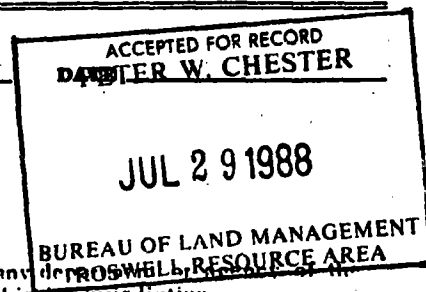
18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Partner DATE 7-28-88

(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

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

SANTA FE

15. DISTANCE FROM PROPOSED*

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

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES ASSIGNED

TO THIS WELL

40

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

19. PROPOSED DEPTH

4225'

20. ROTARY OR CABLE TOOLS

Rotary

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

4003' GL 4022' KB

22. APPROX. DATE WORK WILL START*

June 15, 1988

23.

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

Stewart

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

CONDITIONS OF APPROVAL, IF ANY:

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-12H
Effective 1-1-85

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

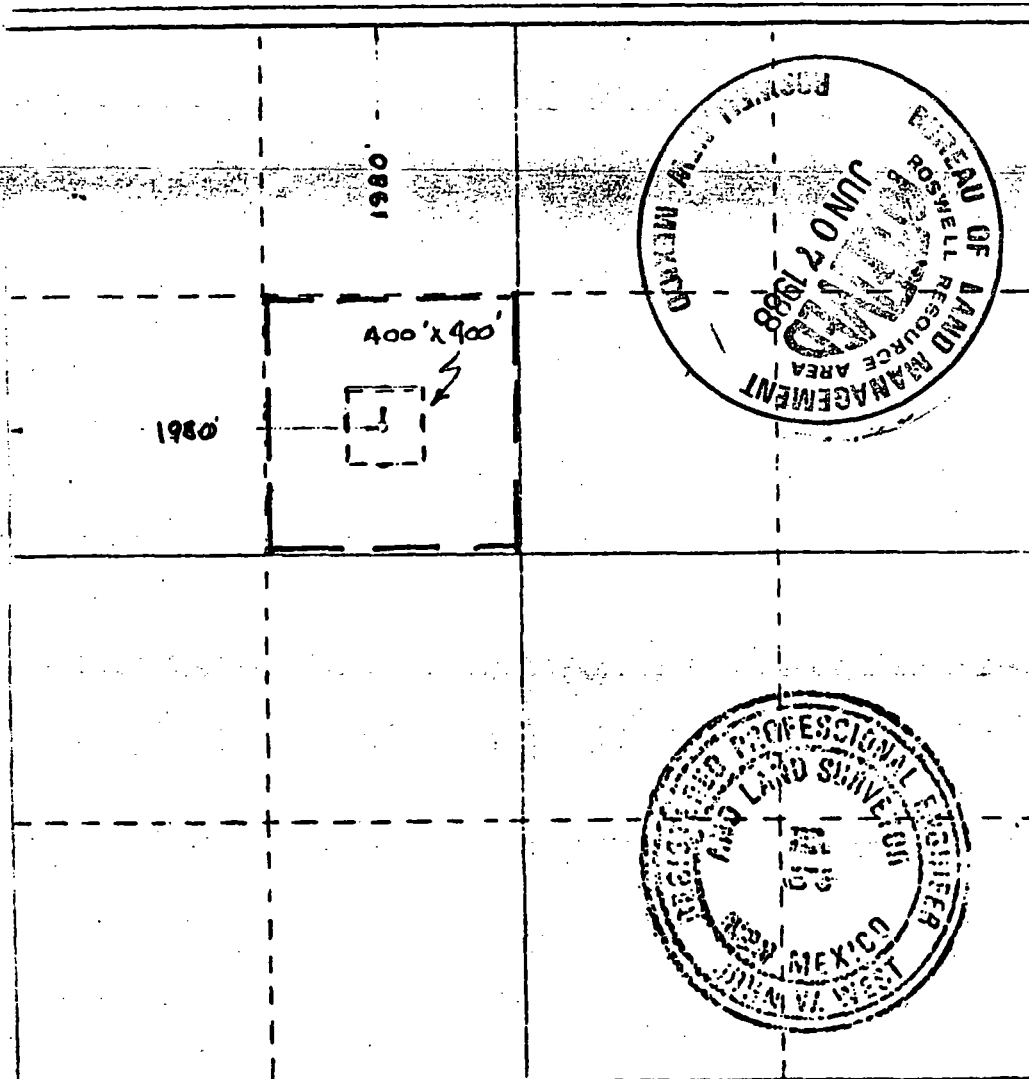
Lessee CONOCO INC.			Lease CLIP RANCH			Well No. 1		
Section F	Section 11	Township 12S	Range 30E	County CHAVES				
Location of Well: 1980 feet from the NORTH line and 1980 feet from the WEST line Producing Formation SWD 3998.0 SAN ANDRES UNDESIGNATED SAN ANDRES 3.67 Acres								

- 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

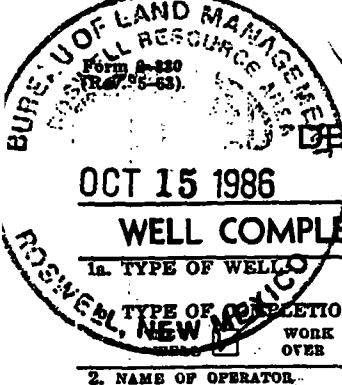
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *[Handwritten Signature]*
 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: *[Handwritten Signature]*
 Certificate No: **JOHN W WEST, 676**
RONALD J EIDSON, 3239



N. M. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OCT 15 1986

Form approved.
Budget Bureau No. 43-B355.8.

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

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☒ Other ☐

TYPE OF COMPLETION:

WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ 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

Unit F
1980' FNL & 1980' FNL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-005-21052

NA

15. DATE SPUDDED

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*

—

23. INTERVALS DRILLED BY

Rotary Tools

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-CNL, 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% Cal/2	425 SXS
			8 7/8"	hole drilled to TD but never cased.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		NONE	RAN			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		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Well P & A'd on 3/22/86					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	ACCEPTED FOR RECORD—OIL RATED	
			→			PETER W. CHESTER	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
		→				1096	

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

Ken L. Vogel

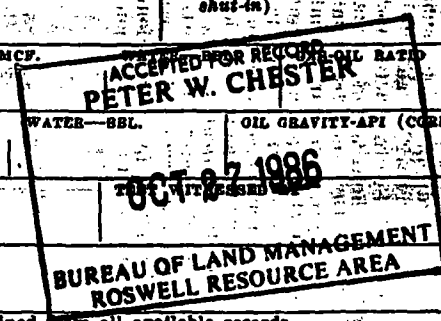
TITLE

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, 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 or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions. If not filed prior to the time of completion and pressure tests, and 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 83. 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
"	10,227'	10,305'	DST #2:3 Rec. 649' oil, 5694 HOCW, 1500' water
Atoka	9322'	9543'	DST #4 Rec. 406' gas & some HOCW; cmt, 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	10250'	

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	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 Devonian	11. SEC., T., R., M., 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 DT, RT, CR, etc.) 1980' ENL & 1980' FWL											

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

REEL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

- 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

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

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.

BLM-Roswell(6) File

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"/>	5. LEASE DESIGNATION AND SERIAL NO. NM-60052
2. NAME OF OPERATOR CONOCO INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 460, Hobbs, N.M. 88240	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit F	8. FARM OR LEASE NAME Mescalero Federal
	9. WELL NO. 1
	10. FIELD AND POOL, OR WILDCAT
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11-125-30E
14. PERMIT NO. 30-005-21052	12. COUNTY OR PARISH Chaves
15. ELEVATIONS (Show whether DF, ST, GR, etc.)	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 COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING, CLOSING <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"/>

(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 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 shoe. 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 Pet. 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

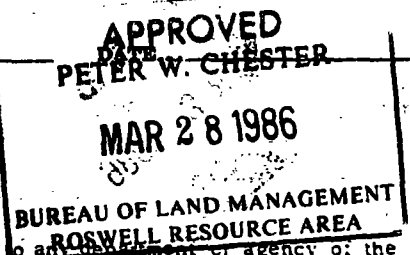
DATE 3-20-86

(This space for Federal or State office use)

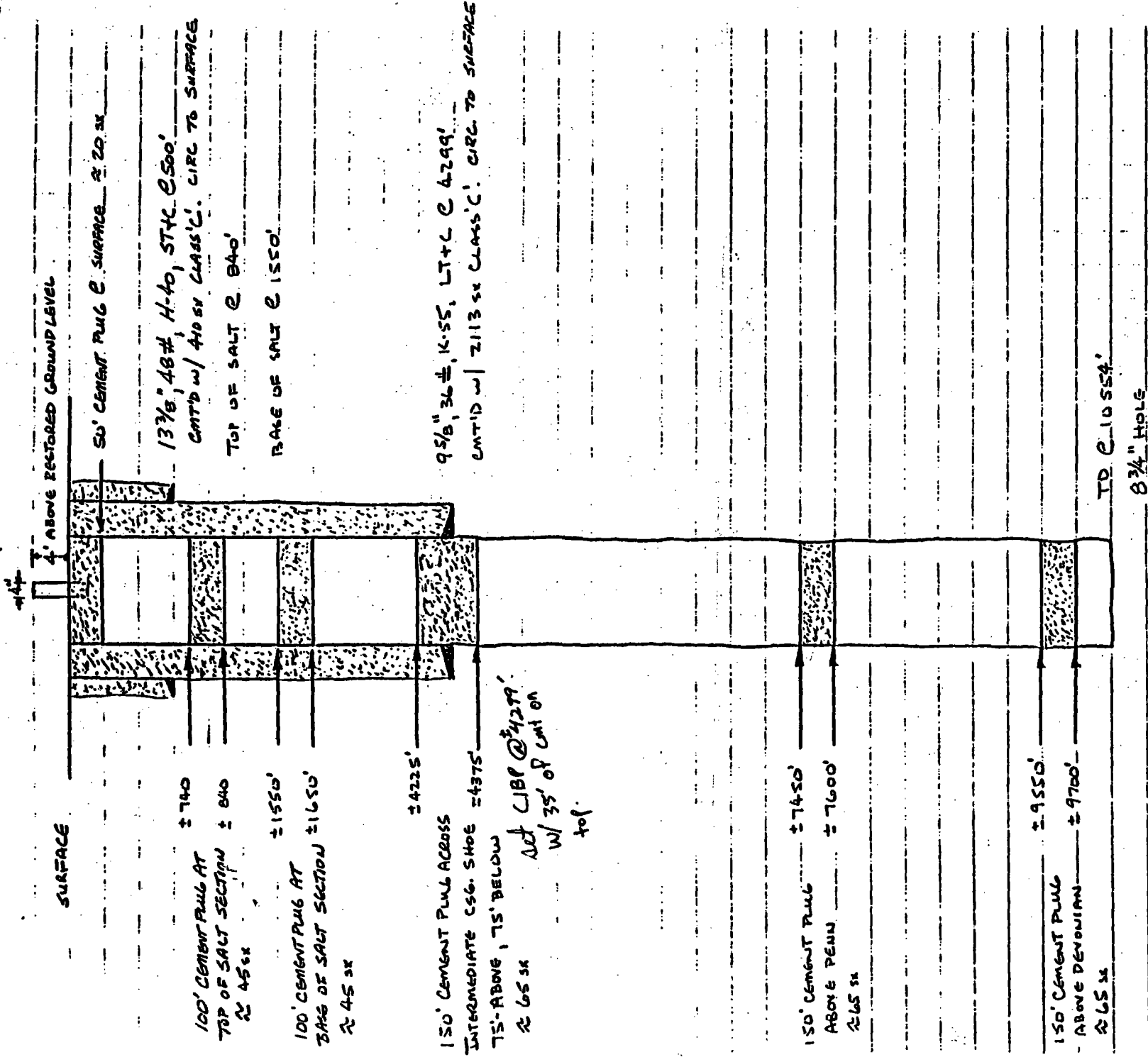
APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

*See Instructions on Reverse Side



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



Conoco Inc.
Calculation Sheet

Date By: SRS Job No: _____
 Checked By: _____
 Date: 3-10-86 Title: _____
 Page: _____ of _____

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N. M. OIL AND GAS DIVISION
HOBBS, 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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR CONOCO INC.	8. FARM OR LEASE NAME Mescalero Federal
3. ADDRESS OF OPERATOR P. O. Box 460, Hobbs, N.M. 88240	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Unit F	10. FIELD AND POOL, OR WILDCAT Undesignated Wolfcamp Undesignated Devonian
14. PERMIT NO. 30-005-21052	11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Sec. 11 - 25 - 30E
15. ELEVATIONS (Show whether OF, ST, OR, etc.)	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) <u>set intermed. casing</u> <input checked="" type="checkbox"/>	
(Other) <input 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% CaCl₂, 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
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

FEB 5 1986

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA
*See Instructions on Reverse Side

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

BLM-Roswell (6) File

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N. M. OIL CURS. COMMISSION
P. O. BOX 1980
ROSWELL, NEW MEXICO 88240
SUBMIT IN TRIPLICATE
(Attach sections 1, 2, & 3 to
reverse side)

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 purposes.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	5. LEASE DESIGNATION AND SERIAL NO. NM-60052
2. NAME OF OPERATOR CONOCO INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 460, Hobbs, N.M. 88240	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit F	8. FARM OR LEASE NAME Mescalero Federal
14. PERMIT NO. 30-005-21052	9. WELL NO. 1
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 1980' FNL & 1980' FWL	10. FIELD AND POOL, OR WILDCAT Undesignated Wolfcamp Undesignated Devonian
	11. SEC., T., R., M., OR S.E. AND SURVEY 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:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

- 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

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

SIGNED

TITLE Administrative Supervisor

DATE 1/16-86

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED FOR RECORD
PETER W. CHESTER

DATE

JAN 23 1986

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*See Instructions on Reverse Side

UNITED STATES P. O. BOX 88240
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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 ☐ 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
1980' FNL & 1980' FWL

14. PERMIT NO.
Not Available

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

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 Wellcamp
Undesignated Devonian

11. SEC., T., R., N., OR S.E. AND
SURVEY OR AREA
Sec. 11-12S-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:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANS ☐
(Other) enlarge Drilling Pad ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(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 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. Page

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

TITLE

DATE

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

See Instructions on Reverse Side

30-C05-21052

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ JAN 03 1986 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' FNL Unit F

At proposed prod. zone ☒

RECEIVED BY

DEC 21 1985

O. C. D.
ARTESIA, OFFICE

5. LEASE DESIGNATION AND SERIAL NO.

NM-60052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. FIRST AGREEMENT NAME

Mescalero Federal

8. FARM OR LEASE NAME

Culp Ranch Exploration

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Undesignated Wildcat

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

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

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

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

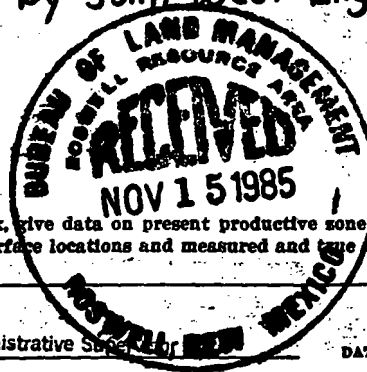
21. ELEVATIONS (Show whether DF, RT, GR, etc.)

22. APPROX. DATE WORK WILL START*

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 SKS Class "C" w/28 Ccl ₂
12 1/4"	9 5/8"	36#	4300'	1495 SKS Class "C" w/28 Ccl ₂
9 3/4"	5 1/2"	15.5#, 17.0#	10700'	1442 SKS 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

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

All distances must be from the outer boundaries of the Section

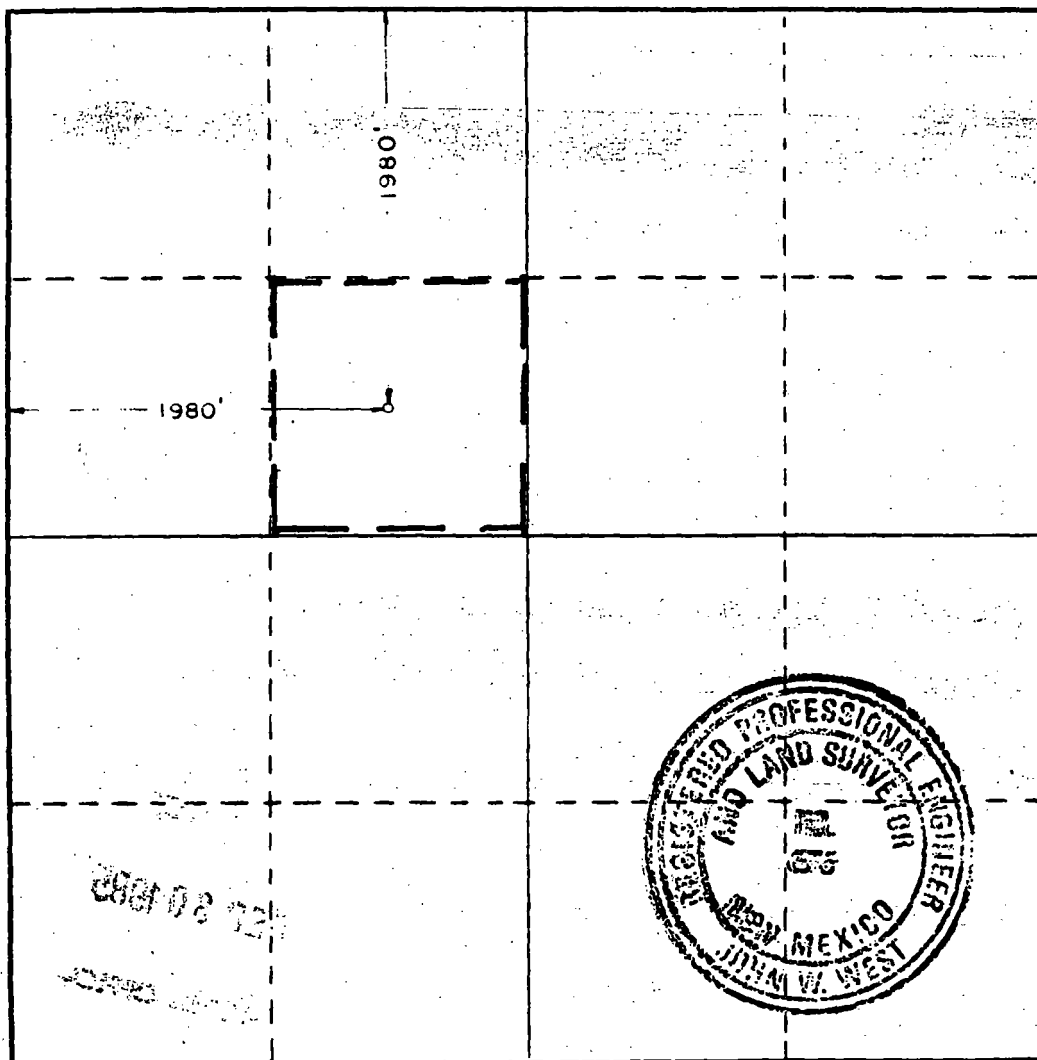
Operator CONOCO INC.		Lease CULP RANCH		Well No. 1	
Plot Letter F	Section 11	Township 12S	Range 30E	County CHAVES	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the WEST line					
Ground Level Elev. 3998.0	Producing Formation Wolfcamp	Pool Undesignated Wolfcamp	Dedicated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

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name

Position

Company

Date

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

Registered Professional Engineer and/or Land Surveyor

Certificate No. JOHN W. WEST,

RONALD J. EIDSON,

676

3239

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED BY

DEC 21 1985

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

All distances must be from the outer boundaries of the Section

Operator CONOCO INC.		Lease CULP RANCH		ARTESIA, OFFICE	
Section F	Section 11	Township 12S	Range 30E	County CHAVES	

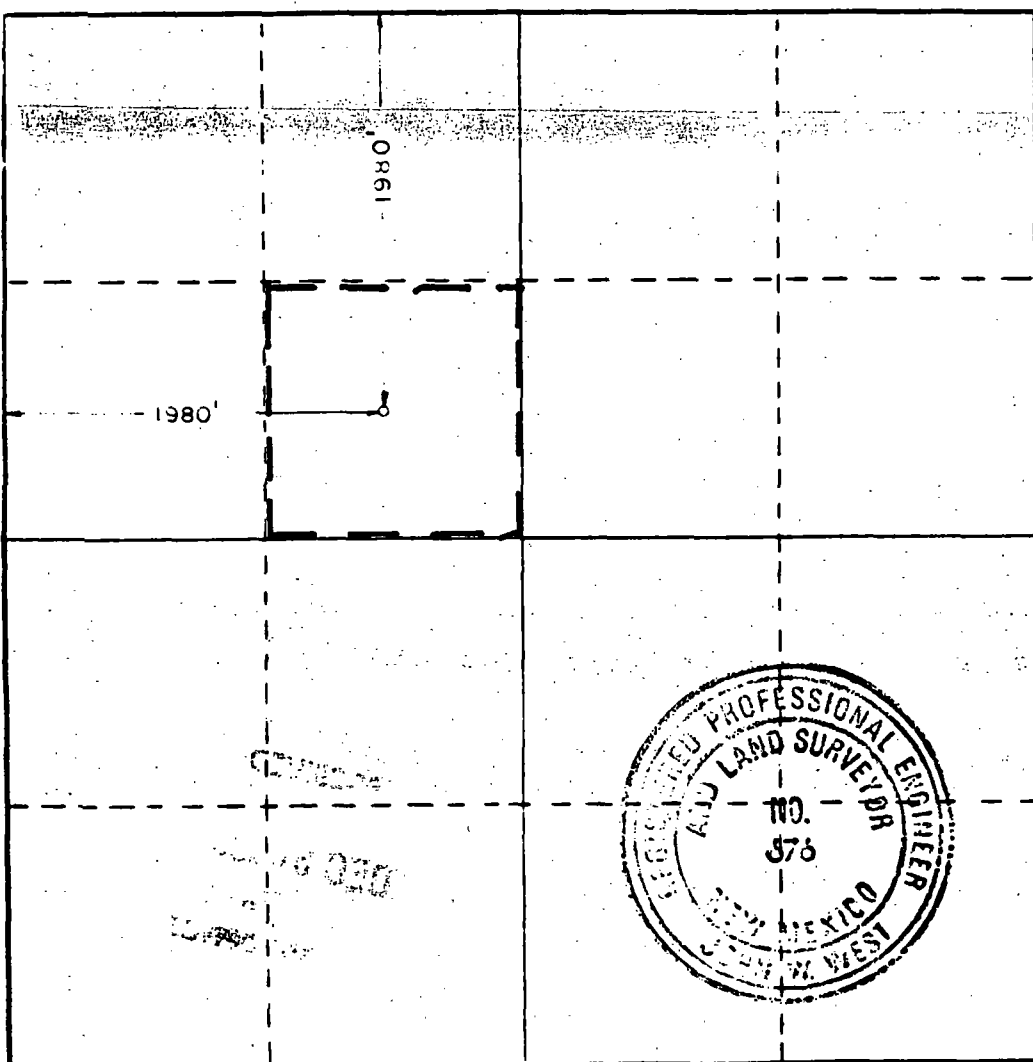
Actual Footage Location of Well:					
1980 feet from the NORTH line and		1980 feet from the WEST line			
Sound Level Elev. 3998.0	Producing Formation Devonian	Pool Undesignated Devonian	Dedicated Acreage: 40 Acres		

- 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.

Date Surveyed

11/01/85

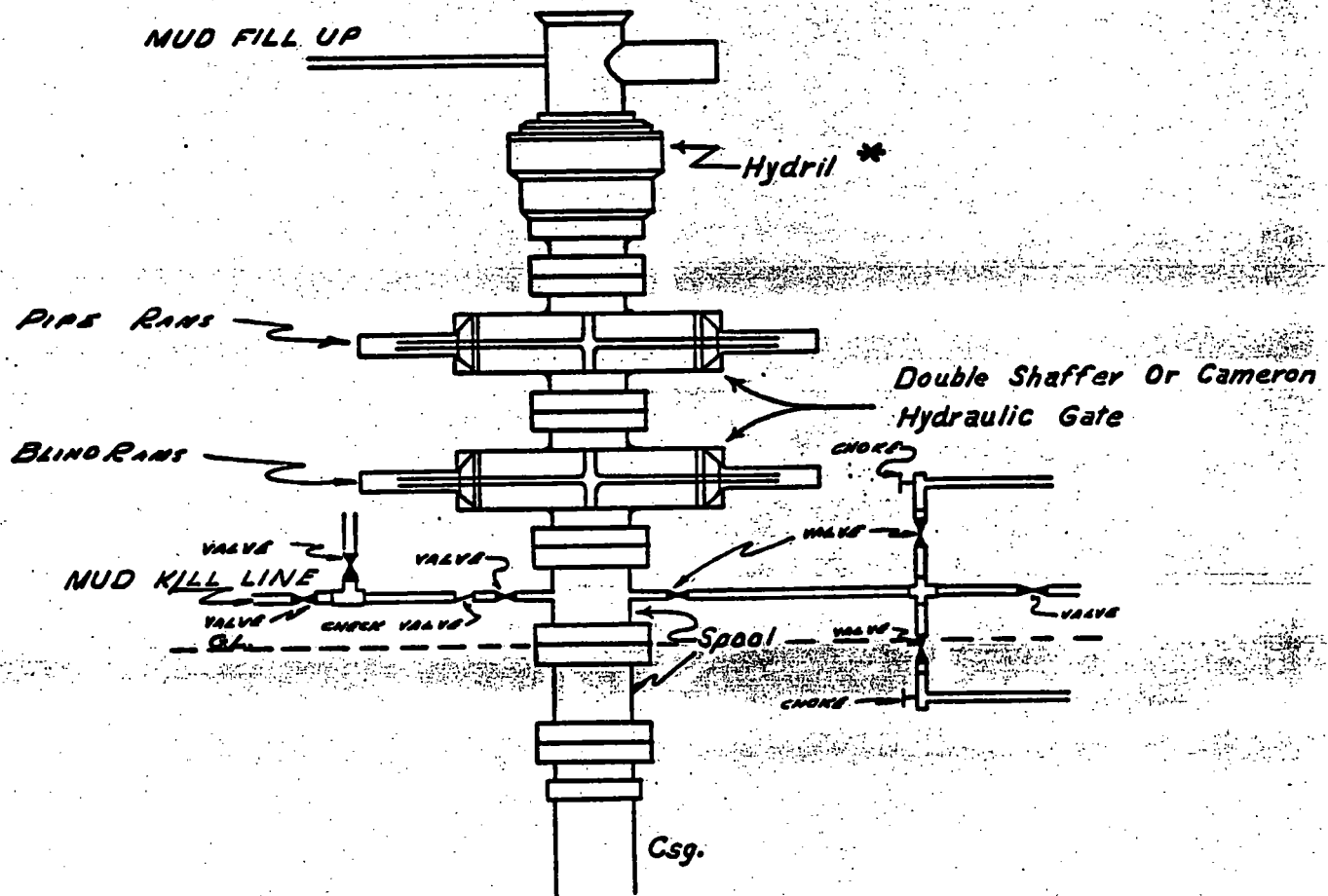
Registered Professional Engineer and/or Land Surveyor

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

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PI-WRS-GET
Form No187