

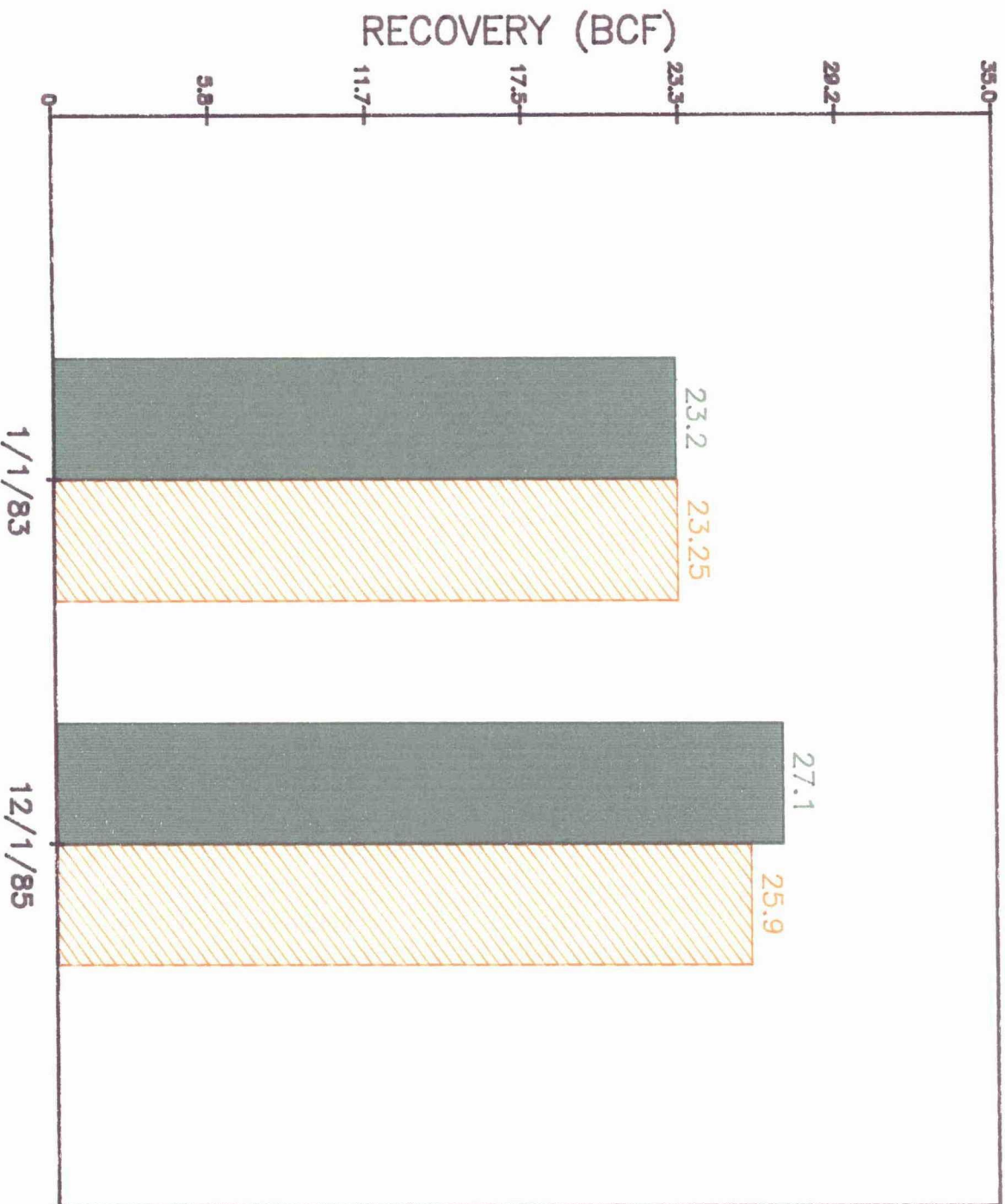
Indian Basin (Upper Penn)
Smith Federal Gas Com 12-1

| Date | Production MCF/MO | Allowable MCF/MO | Difference | Proration Status |
|-------|----------------------|---------------------|------------|---------------------|
| 11/83 | 103751 | 155864 | -52113 | 302489 |
| 12/83 | 92650 | 160707 | -68057 | 234432 |
| 1/84 | 19483 | 168733 | -149250 | 85182 |
| 2/84 | 109452 | 156154 | -46702 | 38480 |
| 3/84 | 106624 | 158888 | -52264 | -13784 |
| 4/84 | 102499 | 140580 | -38081 | -51865 |
| 5/84 | 120561 | 148939 | -28378 | -80243 |
| 6/84 | 77721 | 158310 | -80589 | -160832 |
| 7/84 | 113606 | 159556 | -45950 | -206782 |
| 8/84 | 105058 | 190771 | -85713 | -292495 |
| 9/84 | 127101 | 151250 | -24149 | -316644 |
| 10/84 | 84610 | 161533 | -76923 | -393567 |
| 11/84 | 124628 | 156698 | -32070 | -425637 |
| 12/84 | 90335 | 163670 | -73335 | -498972 |
| 1/85 | 84686 | 146327 | -61641 | -560613 |
| 2/85 | 61205 | 129080 | -67875 | -628488 |
| 3/85 | 100761 | 137993 | -37232 | -665720 |
| 4/85 | 84235 | 131111 | -46876 | -712596 |
| 5/85 | 112941 | 125704 | -12763 | -725359 |
| 6/85 | 106162 | 74425 | 31737 | -693622 |
| 7/85 | 70016 | 70377 | -361 | -693983 |
| 8/85 | 26368 | 75788 | -49420 | -743403 |
| 9/85 | 94237 | 69222 | 25015 | -718388 |
| 10/85 | 108205 | 77330 | 30875 | -687513 |
| 11/85 | 74816 | 69522 | 5294 | -682219 |
| 12/85 | 89179 | 75733 | 13446 | -668773 |
| 1/86 | 102006 | 79240 | 22766 | -646007 |
| 2/86 | 117310 | 72402 | 44908 | -601099 |

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 17
CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD RECOVERY COMPARISON VS. TIME WELLS WITHIN 2 MILES



LEGEND

 SURROUNDING WELLS

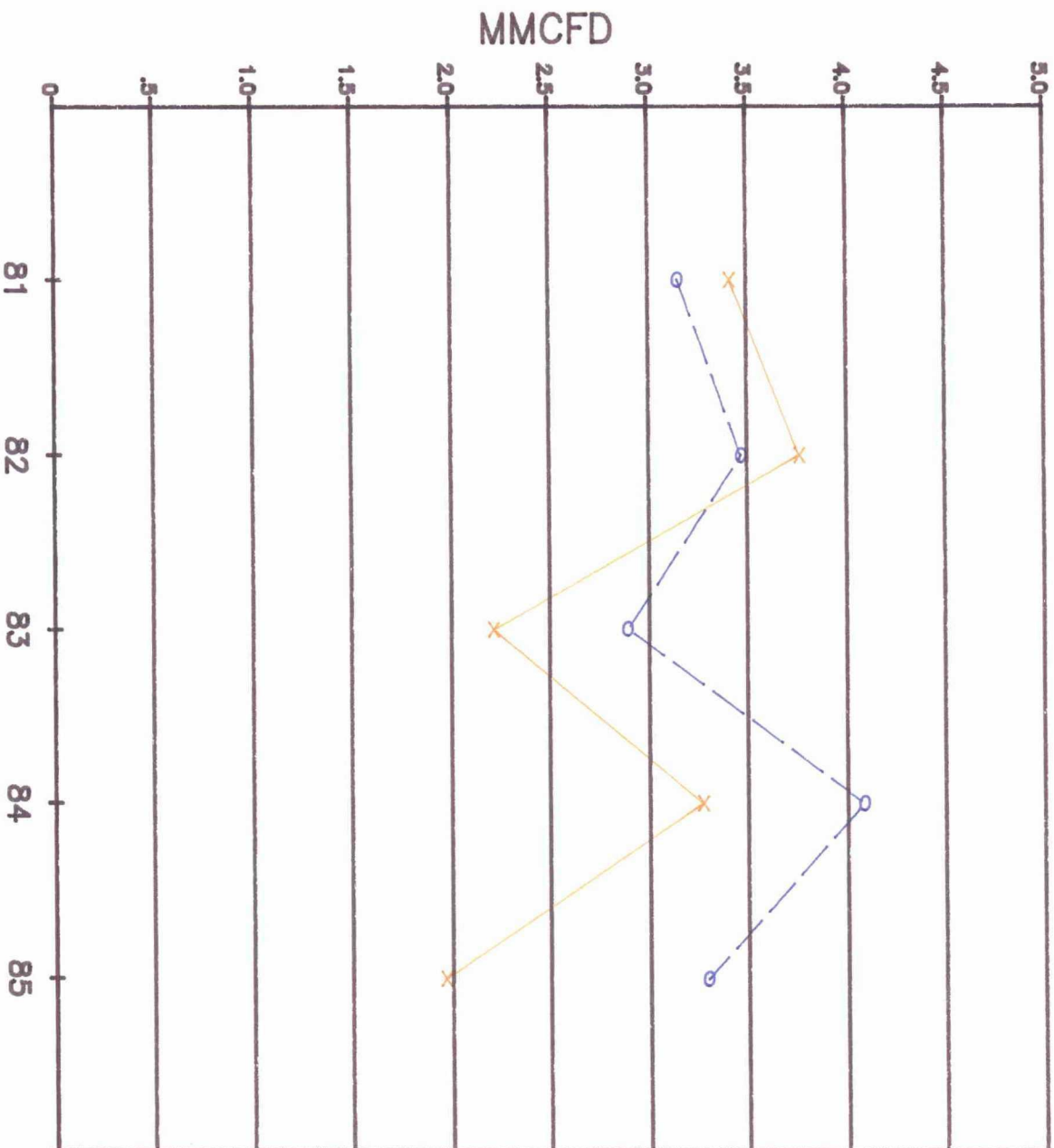
 AMOCO

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 3

CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD AVG. NON-MARGINAL WELL PRODUCTION RATES-- BY OPERATOR AND PURCHASER



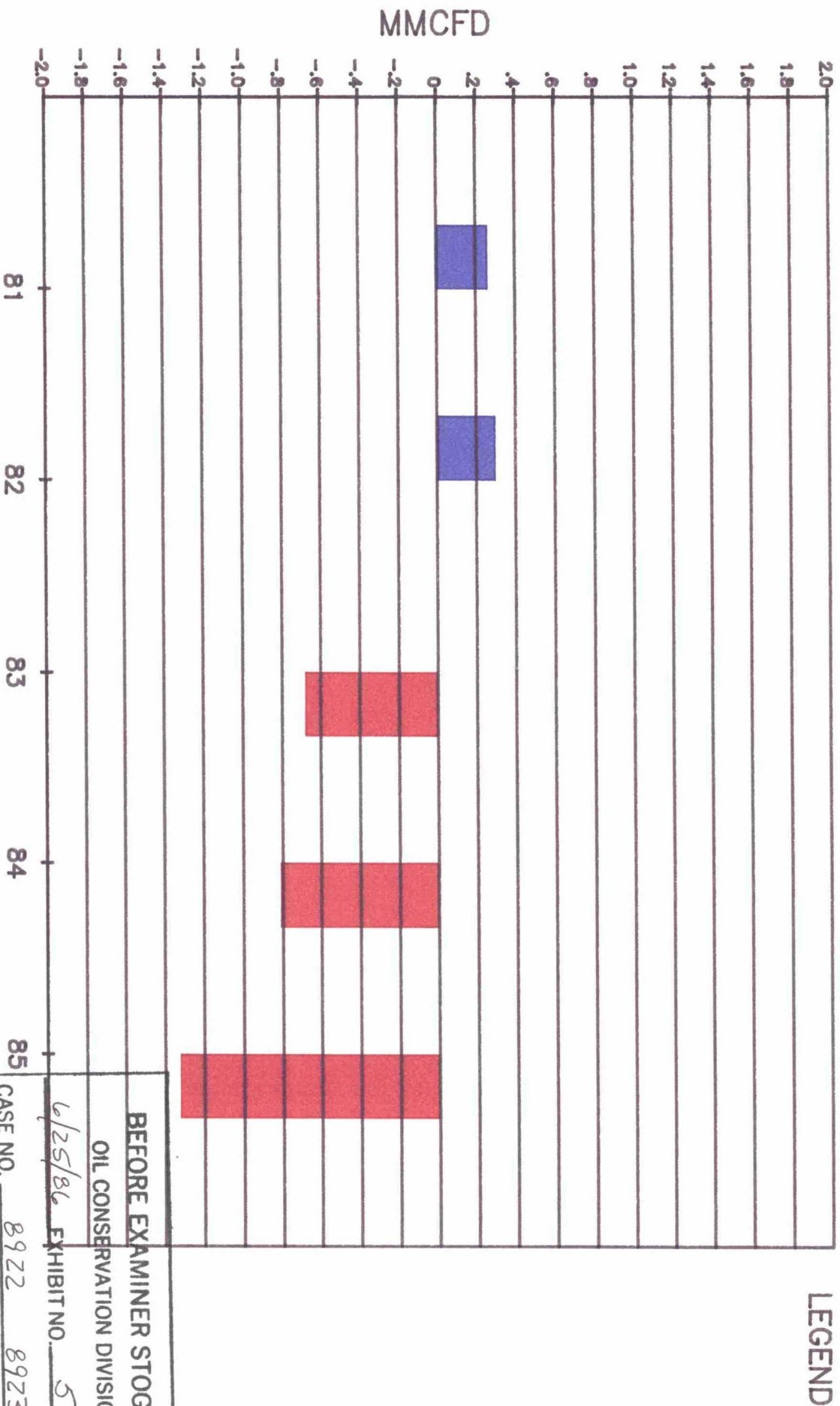
LEGEND

- x AMOCO-GCNI
- o SURROUND. WELLS-MAR.

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/84 EXHIBIT NO. 4
 CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 DIFFERENCE BETWEEN AVG. AMOCO GCNM SALES
 VS. SALES OF SURROUNDING NON-MARGINAL WELLS
 TO MARATHON

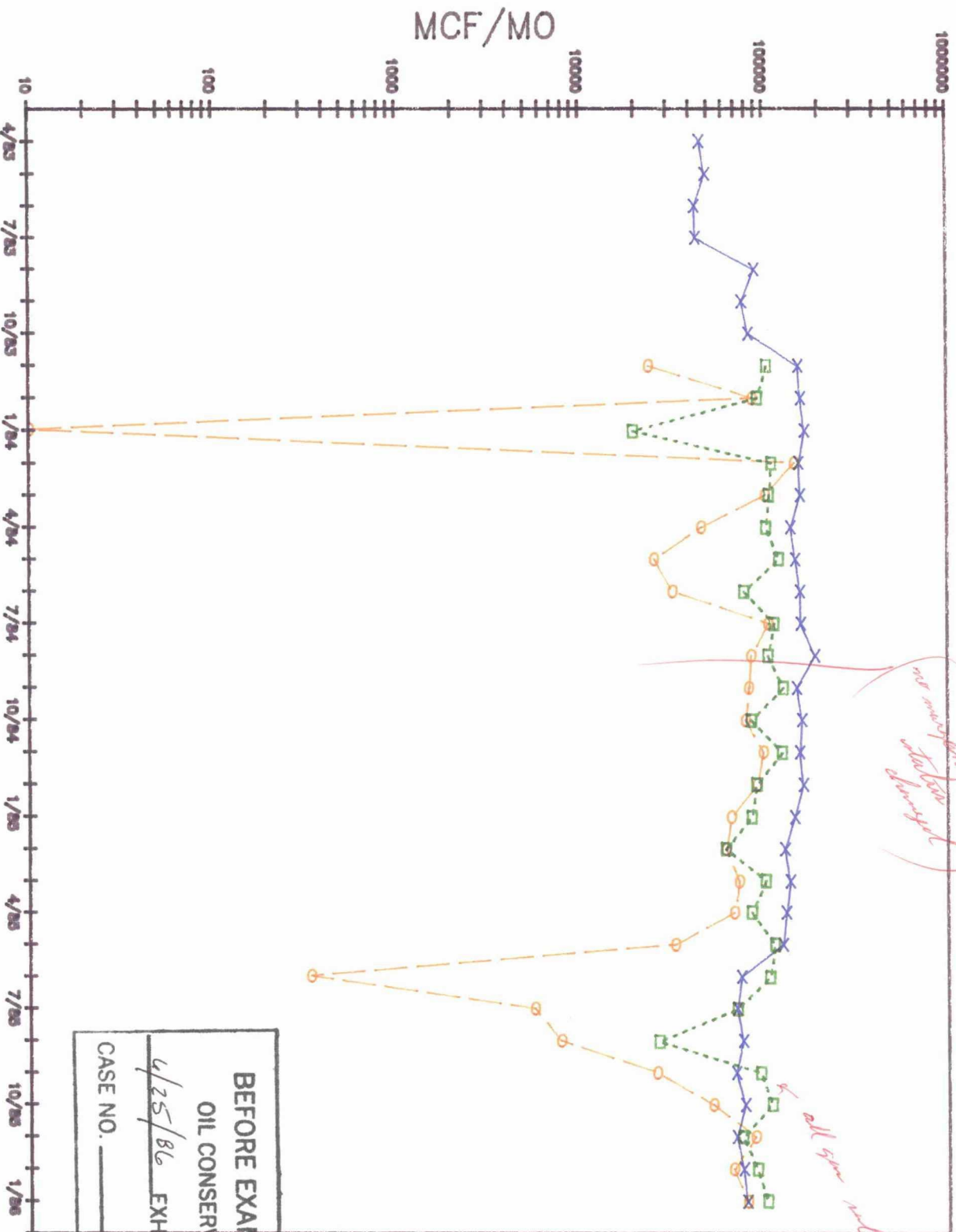


LEGEND

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 5
 CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD ALLOWABLES VS. PRODUCTION



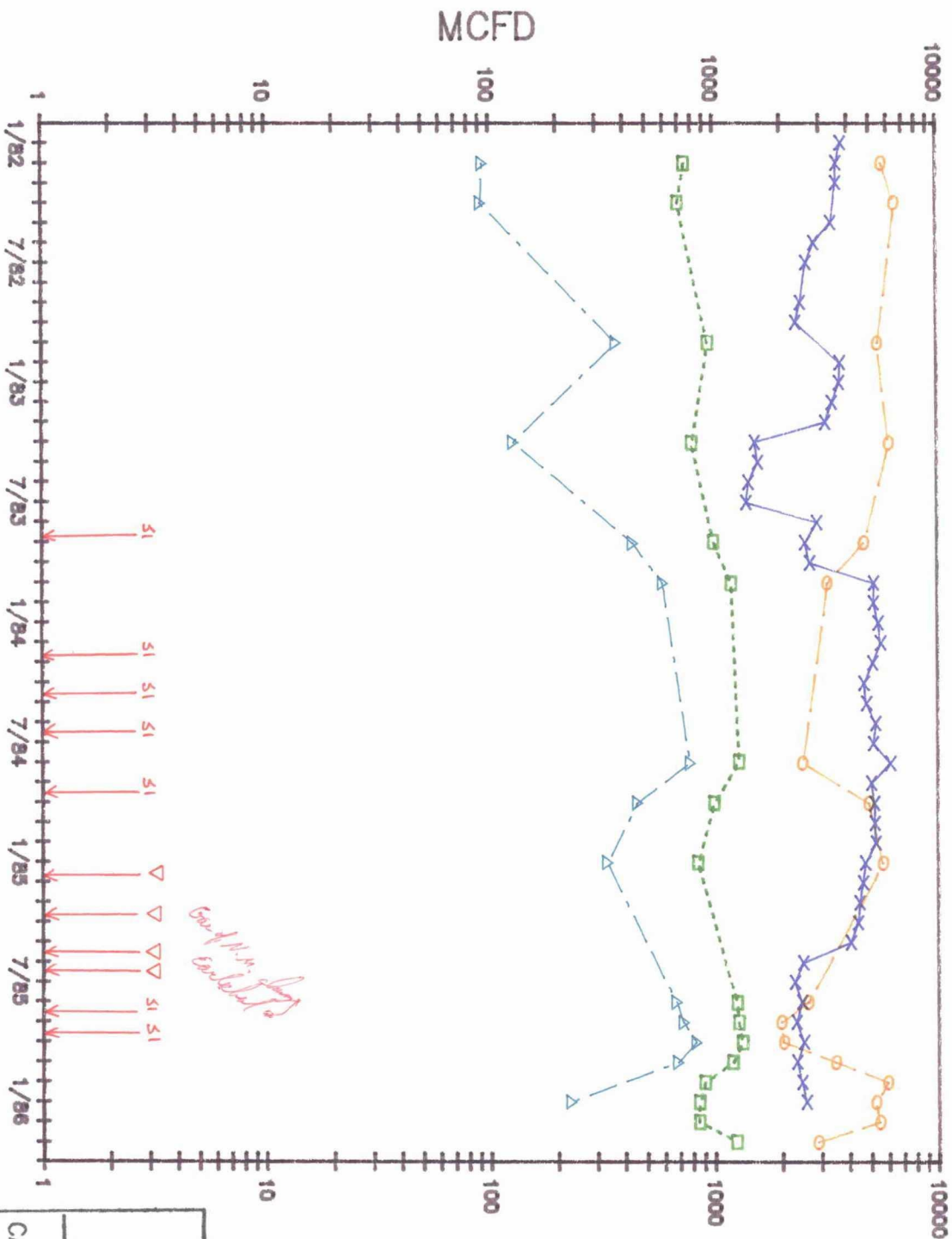
LEGEND

- x ALLOW. *would have been if well remained in a natural state*
- o SMITH FED.
- S. FED. GC

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

4/25/86 EXHIBIT NO. 6
CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 WELL: SMITH FEDERAL 11-1
 ALLOWABLES VS. WELL TESTS



LEGEND

- x ALLOW.
- o GAS RATE
- FTPs (Flowing Tubing Pressure)
- △ PSI

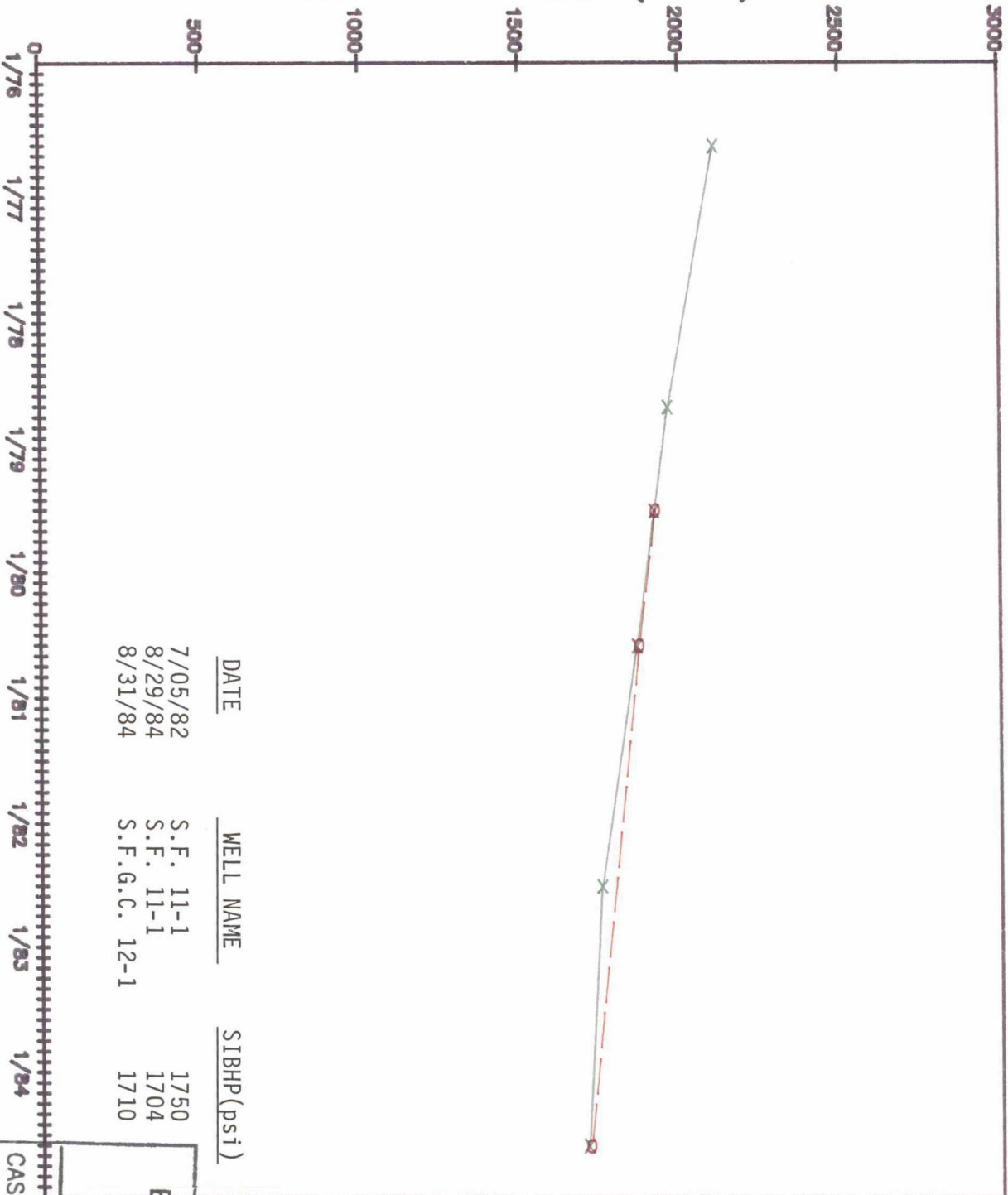
PRESSURE

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

4/25/86 EXHIBIT NO. 7
 CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD BHP VS. TIME

SIBHP @ MIDPERF (7450)



LEGEND

X SMITH FED.
O S. FED. GC

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

4/25/86 EXHIBIT NO. 8

CASE NO. 8922 8923

GAS COMPANY OF NEW MEXICO
COMPARISON OF NOMINATIONS WITH ALLOWABLES
(ALL VOLUMES ARE IN MCF)
1984

SMITH FEDERAL 11-1

| <u>MONTH</u> | <u>TOTAL NOMINATION</u> | <u>NON-MARGINAL NOMINATION</u> | <u>NON-MARGINAL ALLOWABLE</u> | <u>ACTUAL PRODUCTION</u> | <u>COMMENTS</u> |
|--------------|-----------------------------|------------------------------------|-----------------------------------|------------------------------|-------------------------|
| Jan. | 350,000 | 330,687 | 168,733 | ----- | |
| Feb. | 160,000 | 142,248 | 156,154 | 147,606 | GCNM Req'd shut-in 2/17 |
| Mar. | 100,000 | 100,000 | 158,888 | 102,131 | |
| Apr. | 125,000 | 106,903 | 140,580 | 45,895 | GCNM Req'd shut-in 4/12 |
| May | 150,000 | 133,679 | 148,939 | 25,353 | |
| June | 125,000 | 114,216 | 158,310 | 31,960 | GCNM Req'd shut-in 6/16 |
| July | 100,000 | 100,000 | 159,556 | 105,617 | |
| Aug. | | WELL(S) RECLASSIFIED AS MARGINAL | | | |

RPZ/rr/1

| | |
|---------------------------|---------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/86 | EXHIBIT NO. 9 |
| CASE NO. 8922 | 8923 |

EUMONT VATES 7 RARS ON (PRO GAS) CANCEL REDIST BYN 2 AFTER ALLLOC DELIV

DESCRIPTION STAT AT PROD CANCEL REDIST BYN 2 AFTER ALLLOC DELIV

DAVID FASKEN UNIT 1.00 2328
INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

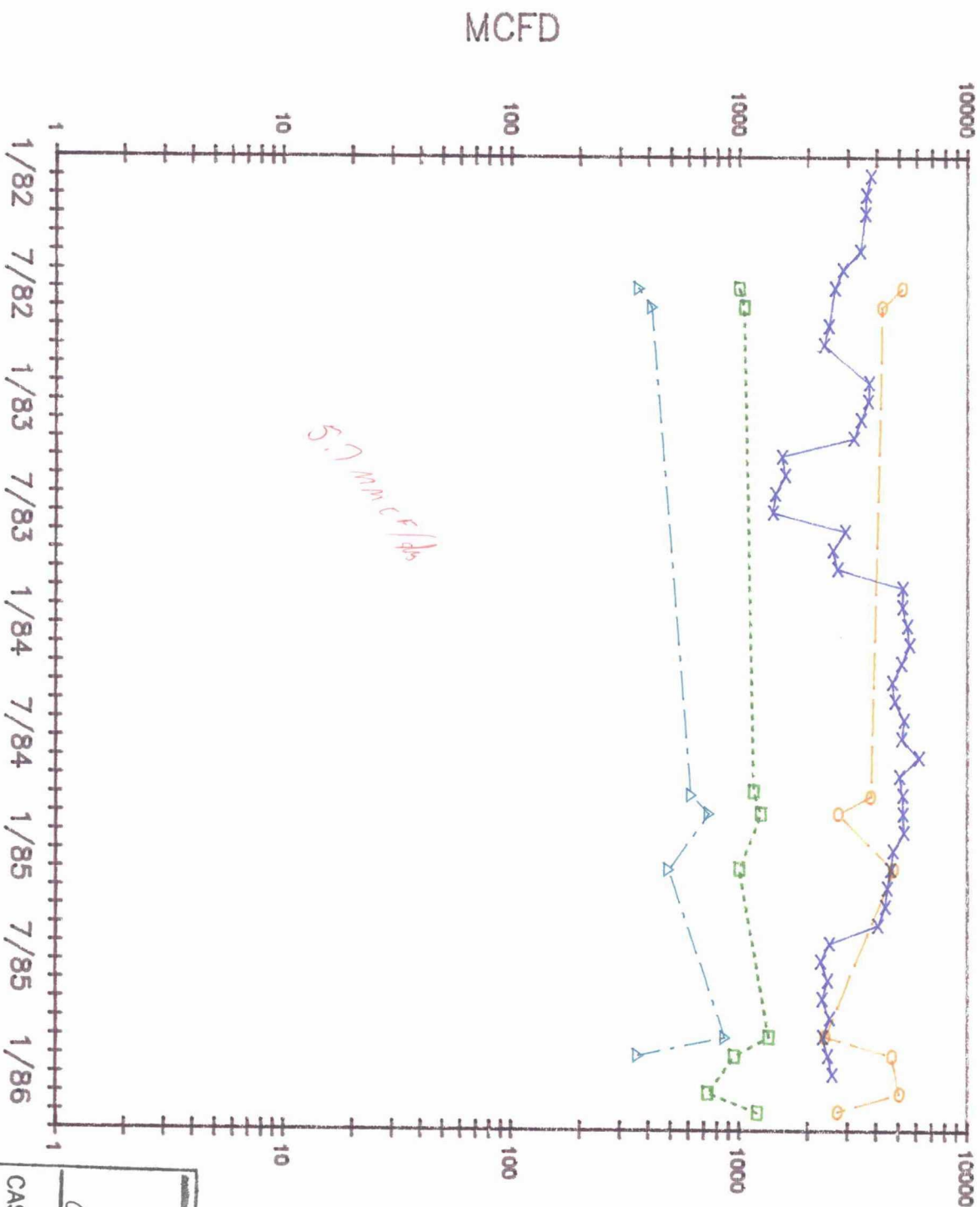
INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

INDIAN BASIN UPPER PENN. (PRO GAS) 1.00 11090
PIPELINE TOTAL 2.00 4300

BEFORE EXAMINER STOCKER
ON CONSERVATION DIVISION
CASE NO. 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 WELL: SMITH FEDERAL GAS COM. 12-1
 ALLOWABLES VS. WELL TESTS



LEGEND

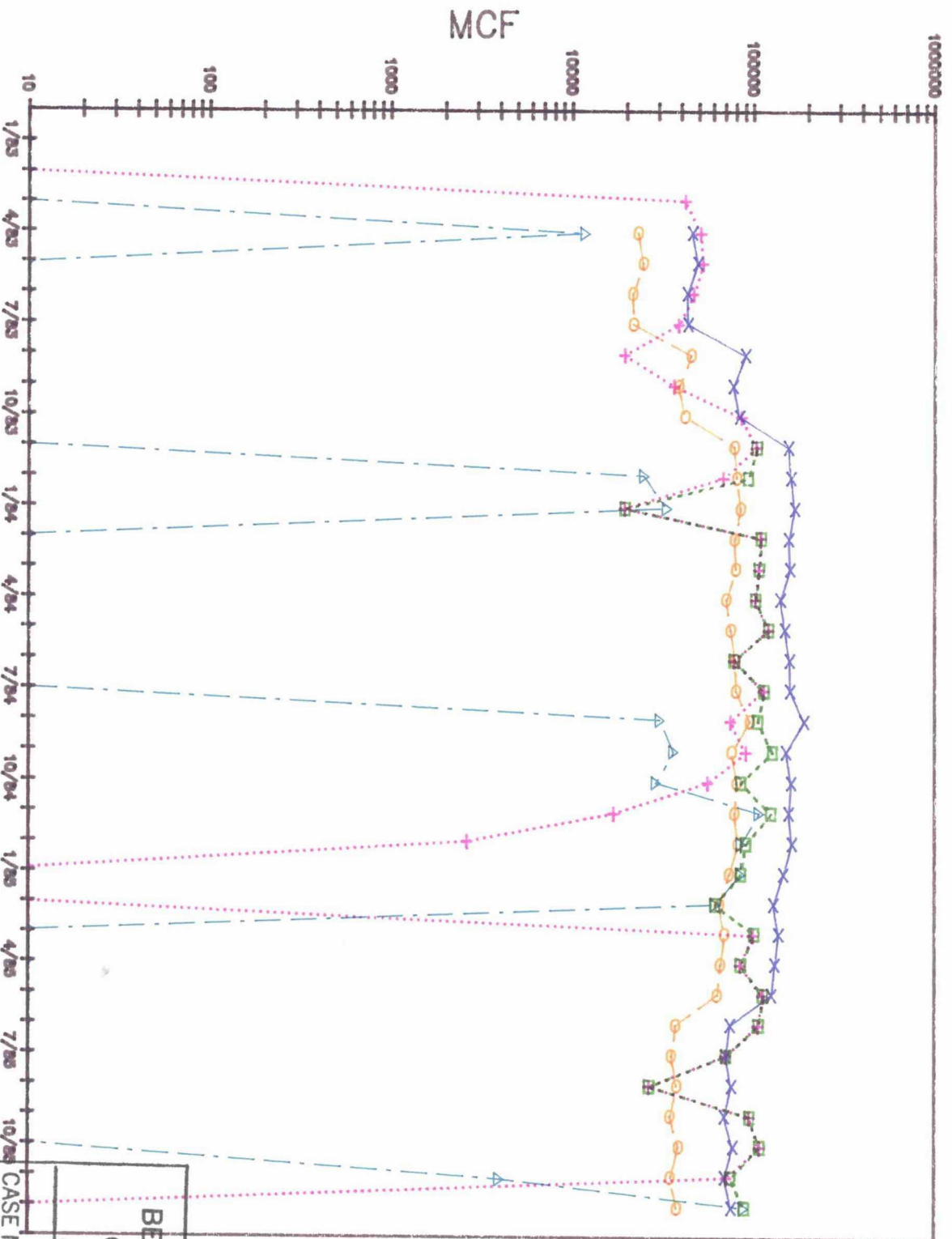
- x ALLOW.
- o GAS RATE
- FTP
- △ PSI

PRESSURE

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 11
 CASE NO. 8922 8923

GAS SALES BY YEAR BY PURCHASER SMITH FED GAS COM 12-1



LEGEND

- x ALLOW.
- o *50% sold* ALLOW./2
- *54% live Co. of us* PROD.
- △ GCNM
- + MAR

BEFORE EXAMINER STOGNER

OIL CONSERVATION DIVISION

6/25/84 EXHIBIT NO. 12

CASE NO. 8922 8923

GAS SALES BY YEAR, BY PURCHASER

SMITH FED GAS COM 12-1 (MCF)

| | 1985 | | 1984 | | 1983 | |
|---------------------------------|-----------|----------|-----------|----------|-----------|---------|
| | GCNM | MAR | GCNM | MAR | GCNM | MAR |
| January | 84,686 | 0 | 33,046 | 19,483 | 0 | 0 |
| February | 61,204 | 0 | 0 | 109,452 | 0 | 0 |
| March | 0 | 100,761 | 0 | 106,624 | 0 | 42,801 |
| April | 0 | 84,235 | 0 | 102,499 | 11,667 | 51,024 |
| May | 0 | 112,941 | 0 | 120,561 | 0 | 52,591 |
| June | 0 | 106,162 | 0 | 77,721 | 0 | 46,629 |
| July | 0 | 70,016 | 0 | 113,606 | 0 | 38,589 |
| August | 0 | 26,368 | 30,820 | 74,237 | 0 | 19,441 |
| September | 0 | 94,237 | 36,226 | 90,875 | 0 | 36,266 |
| October | 0 | 108,205 | 28,904 | 55,706 | 0 | 85,288 |
| November | 4,021 | 70,795 | 107,777 | 16,851 | 0 | 103,751 |
| December | 89,177 | 0 | 85,147 | 2,594 | 24,880 | 67,770 |
| TOTAL | 239,088 | 773,720 | 321,920 | 890,209 | 36,547 | 544,150 |
| Prorated Non-Marg. Allowable | 591,306 | 591,306 | 957,541 | 957,541 | 527,814 | 527,814 |
| IMBALANCE | (352,218) | +182,414 | (635,621) | (67,332) | (491,267) | +16,336 |

RPZ/rr/65

| | |
|---------------------------|----------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/84 | EXHIBIT NO. 13 |
| CASE NO. 8922 | 8923 |

INDIAN BASIN UPPER PENN. (PRO GAS)
 DESCRIPTION STAT AF PRO
 102621523E M 1.00 109738
 PIPELINE TOTAL 40.17 2805896
 MARATHON AND GAS CO. OF M. M.

JANUARY 1986 SOUTHEAST GAS PROMATIUM SCHEDULE
 DESCRIPTION STAT AF PRO
 102621523E M 1.00 109738
 PIPELINE TOTAL 40.17 2805896
 MARATHON AND GAS CO. OF M. M.

ALPHA TWENTY-ONE PRODUCTION CO.
 101222523E M 1.00 74816

 16499
 79240 640

 16499
 79240 640

WEST INDIAN BASIN UNIT GAS CO
 202021523E M 1.00 99580

 49618-
 79240 640

 49618-
 79240 640

FLAG HEDERIN OIL CO
 101221523E M 1.00
 MEDIAN OIL INCORPORATED
 101921523E M .50 6479

 33119-
 16499 2496

 33119-
 16499 2496

PIPELINE TOTAL 3.90 180875
 PUOL TOTAL 46.07 3092639

 751233
 2508235 29483

 751233
 2508235 29483

JALMAT TANSILL VT 7 RWS (PRO GAS)
 EL PASO NATURAL GAS COMPANY

 3572-
 6766 80

 3572-
 6766 80

ALPHA TWENTY-ONE PRODUCTION CO.

 3572-
 6766 80

 3572-
 6766 80

EL PASO PLANT
 101222523E M .50 1336
 EL PASO RUBEN FUEHAL
 101222523E M .75 1138
 EL PASO SMITH
 101222523E M .75 1858
 EL PASO STATE
 101222523E M .50 1495

 3572-
 6766 80

 3572-
 6766 80

AMERADA MESS CORPORATION

 3572-
 6766 80

 3572-
 6766 80

AMCO PRODUCTION CO
 101222523E M 1.00 3647
 LAMCO
 101222523E M 1.00 3904
 101222523E M 1.00 4940
 101222523E M 1.00 8844
 101222523E M 1.00 282

 3572-
 6766 80

 3572-
 6766 80

MOORE K. ANTHELL
 101222523E M 1.00 192
 LAMCO
 101222523E M 1.00 4015
 101222523E M 1.00 784

 3572-
 6766 80

 3572-
 6766 80

ARCO OIL & GAS COMPANY
 101222523E M 1.00 6530
 101222523E M 1.00 1381
 101222523E M 1.00 7911
 101222523E M 1.00 294
 101222523E M 1.00 4656

 3572-
 6766 80

 3572-
 6766 80

EL PASO PLANT
 101222523E M .50 1336
 EL PASO RUBEN FUEHAL
 101222523E M .75 1138
 EL PASO SMITH
 101222523E M .75 1858
 EL PASO STATE
 101222523E M .50 1495

 3572-
 6766 80

 3572-
 6766 80

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
 1564 4223 5787 320
 5415 425/86 EXHIBIT NO. 14 5415 160
 CASE NO. 8922 8923 3097 60

GRAMA RIDGE WOLF CAMP (GAS)
DESCRIPTION STAT AF FEB
US PRD

APR
ACRE-
DELIV

LLAND INCORPORATED

TEJACO PRODUCING CO.
IF 3621523E M 1.00

PIPELINE TOTAL 1.00

POOL TOTAL 1.00

INDIAN BASIN MORROW (PRODUCED GAS)

DAVID FASKEN

INDIAN HILLS UNIT
IF 1621524E M 1.00

INDIAN HILLS UNIT
IF 1721524E M 1.00

SKELLY FEDERAL COM
IF 921524E M .50

PIPELINE TOTAL 2.50

GAS CO. OF NEW MEXICO

FLAG REDEEM OIL CO
WINSTON GAS CUM
IF 3121524E M 1.00

PIPELINE TOTAL 1.00

MARATHON OIL COMPANY

KERR-MCGEE CORPORATION
MARATHON OIL COMPANY
IF 3021524E M 1.00

MARATHON OIL COMPANY
INDIAN BASIN GAS CUM
IF 421523E M 1.00

MONSANTO OIL COMPANY
LOWE STATE GAS COM
IF 3621523E M 1.00

PIPELINE TOTAL 3.00

MARATHON AND GAS CO. OF N. M.

PERMAC OIL CORPORATION
INDIAN BASIN GAS CUM
IF 1921524E M 1.00

PIPELINE TOTAL 1.00

POOL TOTAL 7.50

INDIAN BASIN UPPER PENN. (PROD GAS)

GAS CO. OF NEW MEXICO

AMOCO PRODUCTION CO.
CONOCO STATE GAS COM
IF 2252523E M 1.00

SMITH FEDERAL
IF 1122523E M 1.00

ROBERT N. ENFIELD
WEST INDIAN BASIN
IF 2021523E M 1.00

PIPELINE TOTAL 3.00

MARATHON OIL COMPANY

APRIL 1986 SOUTHEAST GAS PRODUCTION SCHEDULE
INDIAN BASIN UPPER PENN. (PROD GAS)
DESCRIPTION STAT AF FEB
US PRD

APR
ACRE-
DELIV

AMOCO PRODUCTION CO

FEDERAL C
IF 3521523E M 1.00

FEDERAL D
IF 622524E M 1.03

ARCO OIL & GAS COMPANY
SMITH FEDERAL
IF 122523E M 1.05

CHEVRON U.S.A. INC
BOULEVARD
IF 422523E M 1.06

BOULEVARD
IF 422523E M 1.00

BOULEVARD
IF 422523E M 1.00

BOULEVARD
IF 422523E M 1.00

BOULEVARD
IF 422523E M 1.00

BOULEVARD
IF 422523E M 1.00

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IF 422523E M 1.00

BOULEVARD
IF 422523E M 1.00

BOULEVARD
IF 422523E M 1.00

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

EXHIBIT NO. 1577363

CASE NO. 129149-8922

66586

8923

Indian Basin (Upper Penn)
Smith Federal 11-1

| Date | Production MCF/MO | Allowable MCF/MO | Difference | Proration Status |
|-------|----------------------|---------------------|------------|---------------------|
| 11/83 | 23877 | 155864 | -131987 | -2520 |
| 12/83 | 87123 | 160707 | -73584 | -76104 |
| 1/84 | 0 | 168733 | -168733 | -244837 |
| 2/84 | 147606 | 156154 | -8548 | -253385 |
| 3/84 | 102131 | 158888 | -56757 | -310142 |
| 4/84 | 45895 | 140580 | -94685 | -404827 |
| 5/84 | 25353 | 148939 | -123586 | -528413 |
| 6/84 | 31960 | 158310 | -126350 | -654763 |
| 7/84 | 105617 | 159556 | -53939 | -708702 |
| 8/84 | 85290 | 190771 | -105481 | -814183 |
| 9/84 | 82805 | 151250 | -68445 | -882628 |
| 10/84 | 79366 | 161533 | -82167 | -964795 |
| 11/84 | 99000 | 156698 | -57698 | -1022493 |
| 12/84 | 91260 | 163670 | -72410 | -1094903 |
| 1/85 | 66122 | 146327 | -80205 | -1175108 |
| 2/85 | 61576 | 129080 | -67504 | -1242612 |
| 3/85 | 72612 | 137993 | -65381 | -1307993 |
| 4/85 | 68166 | 131111 | -62945 | -1370938 |
| 5/85 | 32594 | 125704 | -93110 | -1464048 |
| 6/85 | 336 | 74425 | -74089 | -1538137 |
| 7/85 | 5572 | 70377 | -64805 | -1602942 |
| 8/85 | 7760 | 75788 | -68028 | -1670970 |
| 9/85 | 25842 | 69222 | -43380 | -1714350 |
| 10/85 | 51962 | 77330 | -25368 | -1739718 |
| 11/85 | 88013 | 69522 | 18491 | -1721227 |
| 12/85 | 67068 | 75733 | -8665 | -1729892 |
| 1/86 | 79547 | 79240 | 307 | -1729585 |
| 2/86 | 89170 | 72402 | 16768 | -1712817 |

| | |
|---------------------------|----------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/86 | EXHIBIT NO. 16 |
| CASE NO. | 8922 8923 |

INDIAN BASIN (UPPER PENN)
UNDERPRODUCED VOLUMES BY PRORATION PERIOD

640 ACRE NON-MARGINAL WELL ALLOWABLE
MINUS ACTUAL WELL PRODUCTION

| <u>PRORATION PERIOD</u> | <u>SMITH FEDERAL 11-1</u> | <u>SMITH FED. GAS COM. 12-1</u> |
|-------------------------|---------------------------|---------------------------------|
| 1983-1984 | 310,142 MCF | 13,784 MCF |
| 1984-1985 | 997,851 MCF | 651,936 MCF |
| TOTAL | 1,307,993 MCF | 665,720 MCF |

RPZ/rr/51

| | |
|---------------------------|----------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/86 | EXHIBIT NO. 18 |
| CASE NO. 8922 8923 | |

811
ARTESIA, NM 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
7-10-97 RAM

OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NND60-3160-2

C/51

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. NAME OF OPERATOR
Marbob Energy Corporation 14049
3. ADDRESS OF OPERATOR
P. O. BOX 227 Artesia, NM 88210
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980 FNL 330 FWL UNIT E.
At proposed prod. zone SAME

5. LEASE DESIGNATION AND SERIAL NO.
LC-028784C
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
30-015-29963
7. UNIT AGREEMENT NAME
BURCH KEELY UNIT 6497
8. FARM OR LEASE NAME
9. WELL NO.
856 283
10. FIELD AND POOL, OR WILDCAT
GRBG JACKSON SR Q GRBG SA
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
SEC. 26-T17S-R29E
12. COUNTY OR PARISH
EDDY
13. STATE
NM
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
EAST OF ARTESIA ON U.S. 82 APPROX. 21 MILES
15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 330
16. NO. OF ACRES IN LEASE
1440
17. NO. OF ACRES ASSIGNED
TO THIS WELL
40
18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
4800'
19. PROPOSED DEPTH
20. ROTARY OR CABLE TOOLS
ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3575' GR
22. APPROX. DATE WORK WILL START*
AUGUST 15, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

| HOLE SIZE | CASING SIZE | WEIGHT/FOOT | GRADE | THREAD TYPE | SETTING DEPTH | QUANTITY OF CEMENT |
|-----------|-------------|-------------|-------|-------------|---------------|--------------------|
| 12 1/4" | 8 5/8" | 24# | J-55 | ST&C | 350' | 300' SX |
| 7 7/8" | 5 1/2" | 17# | J-55 | LT&C | 4800' | 1100 SX |

PAY ZONE WILL BE SELECTIVELY PERFORATED AND
STIMULATED AS NEEDED FOR OPTIMUM PRODUCTION.

ATTACHED ARE: 1. LOCATION & ACREAGE DEDICATION PLAT
2. SUPPLEMENTAL DRILLING DATA
3. SURFACE USE PLAN

MASTER SURFACE USE PLAN ON FILE AT BLM ROSWELL.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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. SIGNATURE Phonda Nelson TITLE Production Clerk DATE 7/9/97
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE 12-10-97
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

JUL 07 1997

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------------------|--|--|
| API Number 30-015-29963 | Pool Code 28509 | Pool Name GRBG JACKSON SR Q GRBG SA |
| Property Code 6497 | Property Name BURCH KEELY UNIT | Well Number 856 |
| OGRID No. 14049 | Operator Name MARBOB ENERGY CORPORATION | Elevation 3575 |

Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| E | 26 | 17 S | 29 E | | 1980 | NORTH | 330 | WEST | EDDY |

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 |
| | | | | | | | | | |
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. | | | | | | |

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

| | | |
|--|---|--|
| | OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature RHONDA NELSON Printed Name PRODUCTION CLERK Title JULY 8, 1997 Date | |
| | 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 Surveyed Signature & Seal of Professional Surveyor Certificate No. JOHN W. WEST 676, RONALD J. EIDSON 3239, GARY EIDSON 12641 | |

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA, NM 87003

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

a. TYPE OF WORK: DRILL ☒ DEEPEN ☐ 149

b. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ Other ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
DEVON ENERGY CORPORATION (NEVADA) 6137

3. ADDRESS AND TELEPHONE NO.
20 N. BROADWAY, SUITE 1500, OKC, OK 73102 (405) 552-4511

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1650' FNL & 990' FEL, Unit "H"
At top proposed prod. zone (SAME)

5. LEASE DESIGNATION AND SERIAL NO.
AC-026874-F 064384

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.
Carter Collier 5 Federal #5 22220

9. API WELL NO.
30-015-29996

10. FIELD AND POOL, OR WILDCAT
Red Lake; Q-GB-SA

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 5-T18S-27E

4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 7 miles southeast of Artesia, NM

5. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 990'
(Also to nearest drlg. unit line if any)

16. NO. OF ACRES IN LEASE
80

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 600'

19. PROPOSED DEPTH
2800'

20. ROTARY OR CABLE TOOLS*
Rotary

1. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 3525'

22. APPROX. DATE WORK WILL START*
January 15, 1998

| 3. PROPOSED CASING AND CEMENTING PROGRAM | | | | |
|--|-----------------------|-----------------|---------------|------------------------------|
| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
| 7 1/2" | 14" | Conductor | 40' | Redimix |
| 2 1/4" | 8 5/8", J-55 | 24 ppf | 1050' | 350 sx Lite + 200 sx Class C |
| 7/8" | 5 1/2", J-55 | 15.5 ppf | 2800' | 150 sx Lite + 350 sx Class C |

Cement will be circulated to surface on all casing strings.

Devon Energy plans to drill to 2800' +/- to test the San Andres Formation for commercial quantities of oil. If the San Andres is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

- Drilling Program
Surface Use and Operating Plan
Exhibit #1 - Blowout Prevention Equipment/
Choke Manifold
Exhibit #2 - Location and Elevation Plat
Exhibit #3 - Planned Access Roads
Exhibit #4 - Wells Within a One Mile Radius
Exhibit #5 - Production Facilities Plan
Exhibit #6 - Rotary Rig Layout
Exhibit #7 - Casing Design Parameters and Factors
Exhibit #8 - H₂S Operating Plan

The undersigned accepts all applicable terms, conditions, stipulation, and restrictions concerning operations conducted on the leased land or portion thereof, as described above.

Bond Coverage: Nationwide
BLM Bond File No.: CO-1104

ON 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.

SIGNED E. L. Buttross Jr.

TITLE E. L. BUTTROSS, JR.
DISTRICT ENGINEER

DATE November 10, 1997

(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:

APPROVED BY _____ TITLE _____ DATE 12/30/97

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit 2

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|----------------------------|--------------------|
| API Number | Pool Code | Pool Name |
| | | Red Lake (Q-GB-SA) |
| Property Code | Property Name | Well Number |
| | CARTER COLLIER "5" FEDERAL | 5 |
| OGRID No. | Operator Name | Elevation |
| | DEVON ENERGY CORPORATION | 3525' |

Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| H | 5 | 18 S | 27 E | | 1650 | NORTH | 990 | EAST | EDDY |

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 |
| | | | | | | | | | |
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. | | | | | | |
| | | | | | | | | | |

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

| | |
|--|--|
| | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief</p> <p><u>E. L. Buttross Jr.</u> Signature</p> <p>E. L. Buttross, Jr. Printed Name</p> <p>District Engineer Title</p> <p>November 25, 1997 Date</p> <p>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>November 03, 1997 Date Surveyed</p> <p> Signature & Seal of Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>Basin Surveys</p> |
|--|--|

(December 1990)

DEPARTMENT OF THE INTERIOR. OFFICE OF THE DIVISION
BUREAU OF LAND MANAGEMENT

Form approved.

2/41

811 S. 1ST ST.
ARTESIA, NM 88210-2834

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

a. TYPE OF WORK: DRILL ☒ DEEPEN ☐ *JP 11/19/97*

b. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ Other ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐ *RECEIVED OCT 1997*

c. NAME OF OPERATOR
6137 DEVON ENERGY CORPORATION (NEVADA)

d. ADDRESS AND TELEPHONE NO.
20 N. BROADWAY, SUITE 1500, OKC, OK 73102 (405) 552-8511

e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 330' FNL & 2360' FEL, Unit "B"

f. At top proposed prod. zone (SAME)

5. LEASE DESIGNATION AND SERIAL NO.
LC-026874-B *0264319*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Carter Collier 5 Federal #9 *22220*

9. API WELL NO.
30-015-29995

10. FIELD AND POOL, OR WILDCAT
Red Lake; Q-GB-SA

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 5-T18S-27E

4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
approximately 7 miles southeast of Artesia, NM

5. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
330' (Also to nearest drive unit line if any)

6. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 750'

7. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 3506'

12. COUNTY OR PARISH
Eddy County

13. STATE
New Mexico

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. ROTARY OR CABLE TOOLS*
Rotary

22. APPROX. DATE WORK WILL START*
January 1, 1998

| 3. PROPOSED CASING AND CEMENTING PROGRAM | | | | |
|--|-----------------------|-----------------|---------------|------------------------------|
| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
| 7 1/2" | 14" | Conductor | 40' | Redimix |
| 2 1/4" | 8 5/8", J-55 | 24 ppf | 1050' | 350 sx Lite + 200 sx Class C |
| 7/8" | 5 1/2", J-55 | 15.5 ppf | 2800' | 150 sx Lite + 350 sx Class C |

Cement will be circulated to surface on all casing strings.

Devon Energy plans to drill to 2800' +/- to test the San Andres Formation for commercial quantities of oil. If the San Andres is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

- Drilling Program
- Surface Use and Operating Plan
- Exhibit #1 - Blowout Prevention Equipment/ Choke Manifold
- Exhibit #2 - Location and Elevation Plat
- Exhibit #3 - Planned Access Roads
- Exhibit #4 - Wells Within a One Mile Radius
- Exhibit #5 - Production Facilities Plan
- Exhibit #6 - Rotary Rig Layout
- Exhibit #7 - Casing Design Parameters and Factors
- Exhibit #8 - H₂S Operating Plan

The undersigned accepts all applicable terms, conditions, stipulation, and restrictions concerning operations conducted on the leased land or portion thereof, as described above.

Bond Coverage: Nationwide
BLM Bond File No.: CO-1104

ON 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.

SIGNED *E. L. Buttross Jr.* TITLE E. L. BUTTROSS, JR. DISTRICT ENGINEER DATE November 12, 1997

(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:

APPROVED BY _____ TITLE _____ DATE *12/18/97*

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|--------------------------|--------------------|
| API Number | Pool Code | Pool Name |
| | | Red Lake (Q-GB-SA) |
| Property Code | Property Name | Well Number |
| | Carter Collier 5 Federal | 9 |
| OGRID No. | Operator Name | Elevation |
| | Devon Energy Corporation | 3474' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| Lot 2 | 5 | 18 S | 27 E | | 330 | North | 2360 | East | Eddy |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| | | | |

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

| | |
|--|--|
| | OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. <i>E.L. Buttross Jr.</i> Signature E.L. Buttross, Jr. Printed Name District Engineer Title November 14, 1997 Date |
| | SURVEYOR CERTIFICATION 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. October 30, 1997 Date Surveyed <i>[Signature]</i> Signature & Seal of Professional Surveyor W.O. No. 7576g Certificate No. Gary L. Jones 7977 |
| | BASIN SURVEYS |
| | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

OXY USA Inc.

16696

16696

3. ADDRESS AND TELEPHONE NO.

P.O. Box 50250 Midland, TX 79710-0250 915-685-5717

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

At surface

660 FNL 1650 FEL NWN (B)

At proposed prod. zone

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

6 miles southeast from Artesia, NM

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

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

N/A

19. PROPOSED DEPTH

9400'

20. ROTARY OR CABLE TOOLS

Rotary

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

3366'

22. APPROX. DATE WORK WILL START*

12/15/97

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------------|-----------------|---------------|---------------------|
| 17-1/2" | 13-3/8" | 48# | 400' | 420sx - circulate |
| 11" | 8-5/8" | 32# | 1800' | 515sx - circulate |
| 7-7/8" | 4-1/2" | 11.6# | 9400' | 642sx - TOC @ 6500' |

It is proposed to drill this well to a TD of 9400' and test the Morrow formation.

The Blowout Prevention Program is as follows:

- 1) One set of Drill Pipe Rams (5M).
- 2) One set of Blind Rams (5M).
- 3) One set of Hydril (5M).

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 prevention program, if any.

24.

SIGNED



TITLE

David Stewart

Regulatory Analyst

DATE

11/25/97

(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:

APPROVED BY

TITLE

DATE

12/30/97

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------|------------------------------------|---|
| API Number 30-015- | Pool Code 80400 | Pool Name Undesignated Logan Draw Morrow |
| Property Code | Property Name Oxy Livan Federal | Well Number 1 |
| OGRID No. 16696 | Operator Name Oxy USA Inc. | Elevation 3366' |

Surface Location

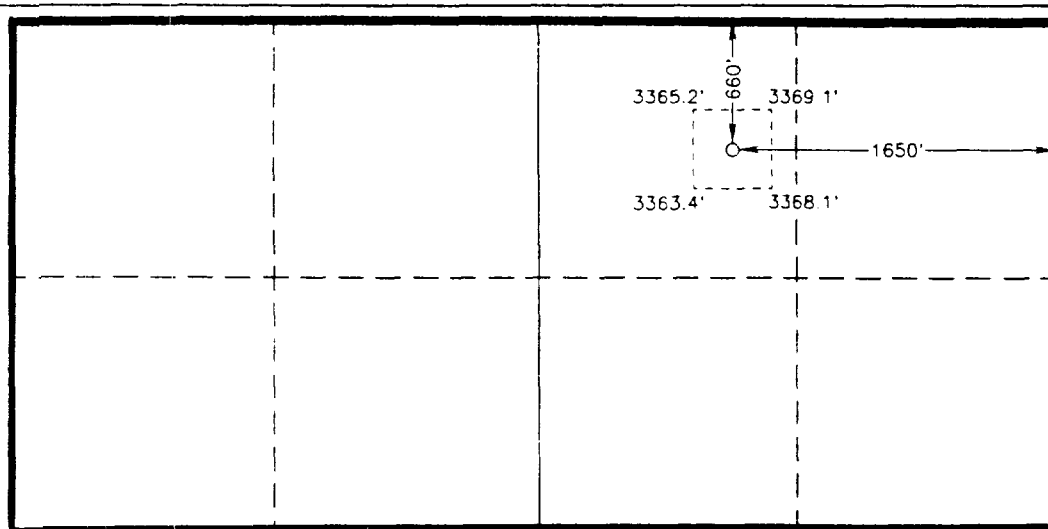
| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot No. B | Section 17 | Township 17 S | Range 27 E | Lot Idn | Feet from the 660 | North/South line North | Feet from the 1650 | East/West line East | County Eddy |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------|

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|------------------------|----------------------|--------------------|-----------|
| Dedicated Acres 320 | Joint or Infill N | Consolidation Code | Order No. |
|------------------------|----------------------|--------------------|-----------|

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



OPERATOR CERTIFICATION

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

David Stewart
Signature

David Stewart
Printed Name
Regulatory Analyst

Title
Date 11/25/97

SURVEYOR CERTIFICATION

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

October 30, 1997

Date Surveyed
Signature & Seal of
Professional Surveyor

Gary L. Jones
Signature & Seal of
Professional Surveyor

W.D. No. 7652
Certificate No. Gary L. Jones 7977

BASIN SURVEYS

BAR-17

ARTESIA, NM 82210-2834

SUBMIT IN TRI ATE*
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

clh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

156

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

| | | | |
|---|--|---|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. <u>LC 065478-A</u> | |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>LC 065478-A</u> | |
| 2. NAME OF OPERATOR <u>ARCO Permian</u> <u>990</u> | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS AND TELEPHONE NO. <u>P.O. Box 1610, Midland, TX 79702</u> <u>915-688-5570</u> | | 8. FARM OR LEASE NAME, WELL NO. <u>WEST RED LAKE "4" 1</u> <u>FEDERAL SWD 22247</u> | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface <u>990'FNL, 990'FWL, LOT 8</u> At proposed prod. zone <u>SAME</u> | | 9. API WELL NO. <u>30-015-29990</u> | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <u>9 MILES SE FROM ARTESIA, NM</u> | | 10. FIELD AND POOL, OR WILDCAT <u>RED LAKE (Q-GB-SA)</u> <u>51300</u> | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <u>990'</u> | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>4.T18S, 27E</u> | |
| 16. NO. OF ACRES IN LEASE | | 12. COUNTY OR PARISH <u>EDDY</u> | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL | | 13. STATE <u>NM</u> | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <u>3000'</u> | | 20. ROTARY OR CABLE TOOLS <u>ROTARY</u> | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>3565'GR</u> | | 22. APPROX. DATE WORK WILL START* <u>12/15/97</u> | |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------------|-----------------|---------------|--------------------|
| 11 | 8-5/8 | 24 | 1100' | 350 CIRCULATE |
| 7-7/8 | 5-1/2 | 15.5 | 3000' | 500 CIRCULATE |

SUBJECT WELL IS PLANNED AS A 3000' STRAIGHT HOLE.
2,000 PSI BOPE WILL BE USED FROM 1100' TO TD.

ATTACHMENTS ARE AS FOLLOWS:

1. CERTIFIED LOCATION PLAT.
2. DRILLING PLAN WITH ATTACHMENTS.
3. SURFACE USE PLAN WITH ATTACHMENTS.

RECEIVED
GOOD ARTESIA

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 Elizabeth G. Cusker TITLE REGULATORY COMPLIANCE DATE 11/3/97

(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:

APPROVED BY _____ TITLE _____ DATE 12/24/97

*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.

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2068, Santa Fe, NM 87504-2068

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|-------------------------------|--------------------|
| API Number | Pool Code | Pool Name |
| | 51300 | RED LAKE (Q-GB-SA) |
| Property Code | Property Name | Well Number |
| | WEST RED LAKE "4" FEDERAL SWD | 1 |
| OGRID No. | Operator Name | Elevation |
| 00099c | ARCO PERMIAN | 3565 |

Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 8 | 4 | 18 S | 27 E | | 990 | NORTH | 990 | WEST | EDDY |

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 |
| | | | | | | | | | |

| | | | |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | 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

| | | | |
|---|------------------|------------------|------------------|
| LOT 8 39.92 AC. | LOT 7 39.37 AC. | LOT 6 37.70 AC. | LOT 5 37.73 AC. |
| | | | |
| NAD27 SPC NME X=513810=E Y=647749=N | | | |
| LOT 9 38.93 AC. | LOT 10 38.43 AC. | LOT 11 37.23 AC. | LOT 12 37.28 AC. |
| LOT 16 38.85 AC. | LOT 15 38.64 AC. | LOT 14 37.82 AC. | LOT 13 37.61 AC. |
| LOT 17 38.64 AC. | LOT 18 38.43 AC. | LOT 19 38.01 AC. | LOT 20 37.80 AC. |

OPERATOR CERTIFICATION

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

Elizabeth A. Casbeer
Signature
ELIZABETH A. CASBEER
Printed Name
REGULATORY/COMPLIANCE
Title
12/1/97
Date

SURVEYOR CERTIFICATION

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.

OCTOBER 30, 1997

Date Surveyed
Signature & Seal of Professional Surveyor
Professional Surveyor
NEW MEXICO
RONALD EIDSON
P.O. Box 87-116 757
Certificate No. 876
WEST, 876
EIDSON, 3239
EIDSON, 12841

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

REVERSE SIDE

BUREAU OF LAND MANAGEMENT
EXPIRES DECEMBER 31, 1991

145

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK

DRILL

☒

DEEPEN

☐

TYPE OF WELL

OIL

☒

GAS

☐

OTHER

SINGLE

ZONE

☐

MULTIPLE

ZONE

☐

NAME OF OPERATOR

OPERATING COMPANY

18890

ADDRESS AND TELEPHONE NO.

801 N. MARIENFELD, SUITE 102, MIDLAND, TEXAS 79701 (915) 682-0095

LOCATION OF WELL (REPORT LOCATION CLEARLY AND IN ACCORDANCE WITH ANY STATE REQUIREMENTS.)

AT SURFACE
800 FEL, 545 FNL, SEC. 11, T23S, R28E, EDDY CO., NEW MEXICO

AT PROPOSED PROD ZONE

SAME

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

2 MILES NORTHEAST OF LOVING NEW MEXICO

DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

545' N. LINE OF E/2

PROPERTY OR LEASE LINE, FT.

ALSO TO NEAREST DRILL UNIT LINE, IF ANY

DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED, 1500'

OR APPLIED FOR, ON THIS LEASE, FT.

LEVATIONS (SHOW WHETHER DF, RT, GR, ETC.)

3040' G.L.

16. NO. OF ACRES IN LEASE

320 ACRES

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40 ACRES

18. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

ROTARY

22. APPROX. DATE WORK WILL START*

4-1-98

5. LEASE DESIGNATION AND SERIAL NO.

NM32636

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

AMOCO "11" FEDERAL NO. 8

9. API WELL NO.

30-015-29989

10. FIELD AND POOL OR WILDCAT

EAST LOVING DELAWARE

11. SEC. T.R.M. OR B.L.K AND SVY OR AREA

SEC. 11, T23S, R28E

12. COUNTY OR PARISH

EDDY

13. STATE

NM

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|-----------------------|-----------------|---------------|-----------------------------|
| 12-1/4" | 8-5/8" | 24# | 570' | 350 SACKS |
| 7-7/8" | 5-1/2" | 15.5 & 17# | 6350' | 1670 SACKS, DV TOOL @ 3350' |

DRILL 12-1/4" HOLE TO 570', RUN 8-5/8" CASING AND CEMENT WITH 350 SACKS.

TEST CASING TO 1500', IF SUCCESSFUL DRILL OUT CEMENT AND TEST TO 22 PPG EQUIVALENT.

DRILL 7-7/8" HOLE TO T.D.

MUD LOG FROM 3600' TO T.D.

ELECTRIC LOG AT T.D. TO SURFACE CASING

IF COMMERCIAL, SET 5-1/2" CASING TO T.D. CEMENT TO SURFACE WITH 1670 SACKS.

COMPLETION PROGRAM WILL BE SUBMITTED UNDER SUNDRY NOTICE.

IF NON-COMMERCIAL, PLUG AS PER BLM AND NEW MEXICO OIL & GAS COMMISSION SPECIFICATIONS.

RECEIVED
OCD-ARTESIA
APR 1 1998

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
on directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED

TITLE Operations Manager

DATE 11-21-97

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

APPROVED BY

APPROVAL DATE

NOTATION 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:

APPROVED BY

TITLE

DATE 12/24/97

* 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.

| | | | | | |
|---------------------------|---------------|----------------------|-----------------------|-----------------------------|------------------------------|
| R B OPERATING CO. | | | Lease NOCO FEDERAL | | Well No. 11-8 |
| Section A | Section 11 | Township 23 South | Range 28 East | County Eddy County, N.M. | |
| Outline Location of Well: | | | | | |
| 800 | feet from the | East | line and | 545 | feet from the |
| East | Line | | North | Line | |
| 3040. | Delaware | | E. Loving (Delaware) | | Indicated Acres: 40 Acres |

Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

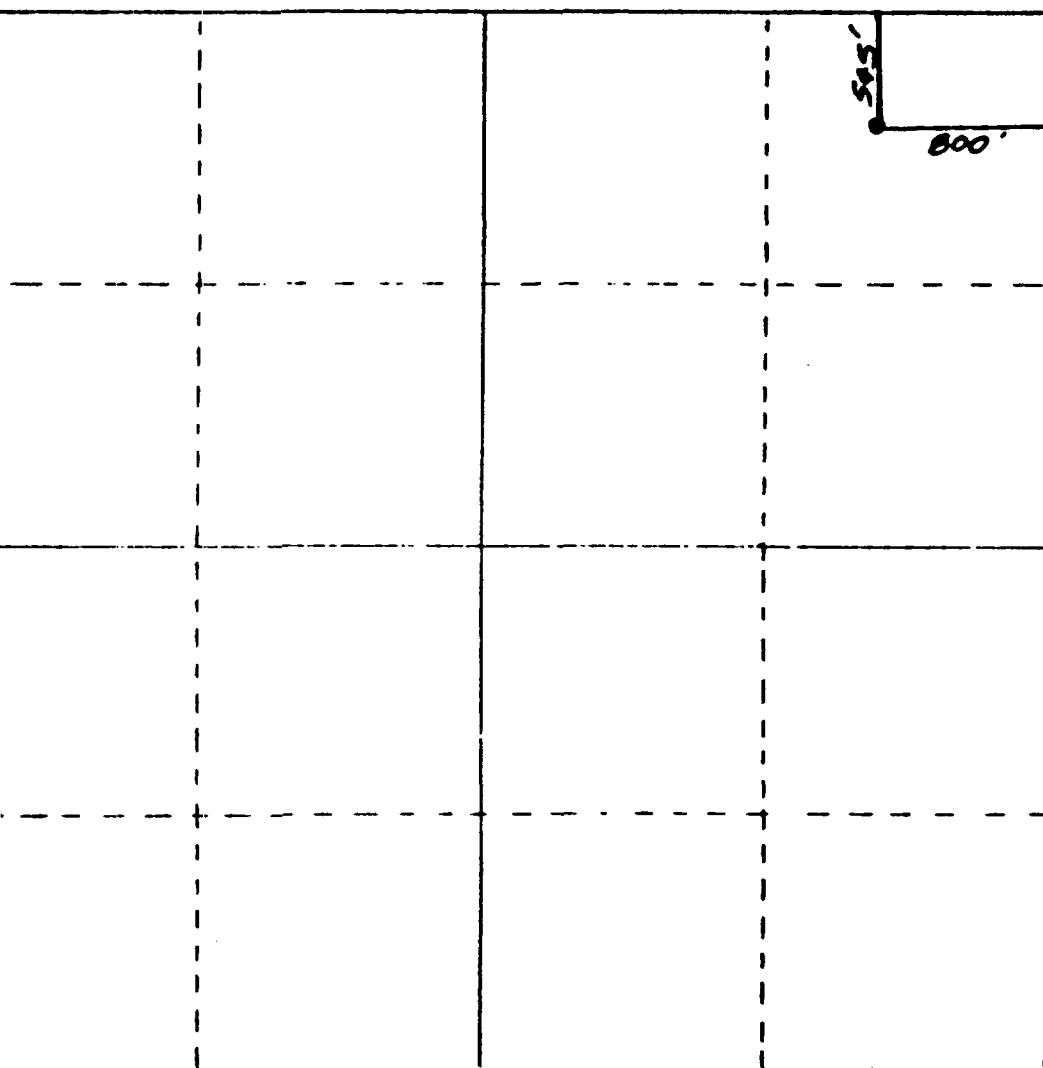
If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.) _____

If no allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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

Tim Goudeau

Position

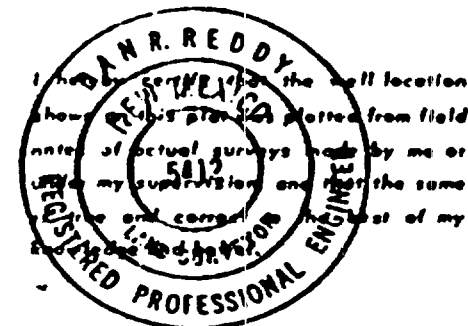
Operations Manager

Company

RB Operating Company

Date

April 14, 1995



Date Surveyed

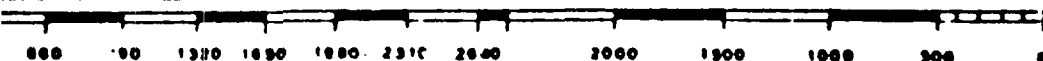
June 25, 1990

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.

NM PE&PS NO. 5412



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

| | | | |
|---|----------------------------------|---|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> <i>JP 11/17/97</i> | | | 5. LEASE DESIGNATION AND SERIAL NO. NM-97118 |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME ----- |
| 2. NAME OF OPERATOR <i>147380</i> PENWELL ENERGY, INC. (BILL PIERCE) 915-683-2534 | | | 7. UNIT AGREEMENT NAME <i>20973</i> |
| 3. ADDRESS AND TELEPHONE NO. 600 NORTH MARIENFELD SUITE 1100 MIDLAND, TEXAS 79701 | | | 8. FARM OR LEASE NAME, WELL NO. <i>#4</i> HACKBERRY "29" FEDERAL |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2080' FNL & 1650' FEL SEC. 29 T22S-R26E EDDY CO. NM At proposed prod. zone <i>W.G.</i> | | | 9. API WELL NO. <i>30-015-29991</i> |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 3.5 miles Northwest of Carlabad New Mexico | | | 10. FIELD AND POOL, OR WILDCAT HAPPY VALLEY DELAWARE |
| 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 120 | 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 29 T22S-R26E |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. | 19. PROPOSED DEPTH 5000' | 20. ROTARY OR CABLE TOOLS ROTARY | 12. COUNTY OR PARISH EDDY CO. |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3443' GR. | | | 13. STATE NM |
| 22. APPROX. DATE WORK WILL START* As soon as approved | | | |

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|-----------------------|-----------------|---------------|---|
| 25" | Conductor 20" | NA | 40' | Cement to surface with Redi-mix. |
| 17½" | H-40 13 3/8" | 48 | 350' | 400 Sx. circulate cement to surface |
| 11" | J-55 8 5/8" | 24 | 1650' | 625 Sx. " " " " |
| 7 7/8" | J-55 5½" | 17 | 5000' | 650 Sx. Estimate top of cement 1200' |

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-mix.
2. Drill 17½" hole to 350'. Run and set 350' of 13 3/8" H-40 48# ST&C casing. Cement with 400 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface-
3. Drill 11" hole to 1650'. Run and set 1650' of 8 5/8" J-55 24# ST&C casing. Cement with 425 Sx. of Halco Light Class "C" + additives, tail in with 200 Sx. of Class "C" + 2% CaCl, circulate cement to surface.
4. Drill 7 7/8" hole to 5000'. Run and set 5000' of 5½" J-55 17# ST&C casing. Cement with 400 Sx. of Class "C" Halco Light + additives, tail in with 250 Sx. of Class "C" + 2% CaCl, estimate top of cement 1200'.

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.

34. SIGNED *Joel Jancera* TITLE Agent DATE 11-7-97
(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:APPROVED BY *R.G. Lopez* TITLE For DATE 12/30/97

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
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OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|------------------------|---|--------------------------------------|
| API Number | Pool Code 29665 | Pool Name Happy Valley - Delaware |
| Property Code 20473 | Property Name HACKBERRY "29" FEDERAL | Well Number 4 |
| OGRID No. 147380 | Operator Name PENWELL ENERGY INC. | Elevation 3443' |

Surface Location

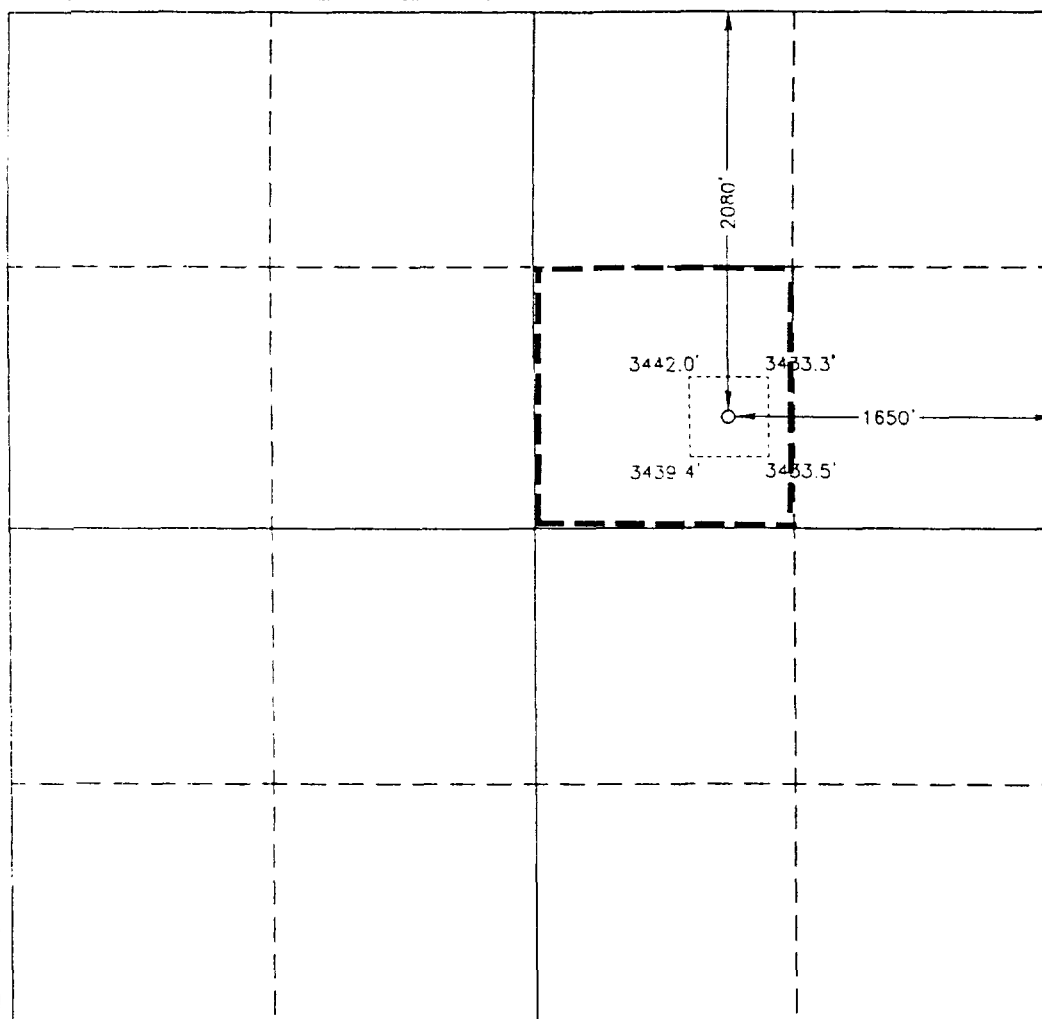
| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot No. G | Section 29 | Township 22 S | Range 26 E | Lot Idn | Feet from the 2080 | North/South line NORTH | Feet from the 1650 | East/West line EAST | County EDDY |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------|

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|-----------------------|-----------------|--------------------|-----------|
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. |
|-----------------------|-----------------|--------------------|-----------|

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

| | |
|---|--|
|  | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 11-7-97 Date</p> <p>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>October 30, 1997 Date Surveyed Signature & Seal of Professional Surveyor Certificate No. 7820 Professional Surveyor Jones 7977 BASIN SURVEYS</p> |
|---|--|

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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DEC 1997
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OCD - ARTESIA

AMENDED REPORT

APPLICATION FOR PERMIT TO
DRILL, RE-ENTER, DEEPEN,
PLUGBACK, OR ADD A ZONE

| | | |
|---|--|---|
| ¹ Operator Name and Address. UMC Petroleum Corporation 410 17 th Street, Suite 1400 Denver, Colorado 80202 | | ² OGRID Number 023654 |
| | | ³ API Number 30 - 015 - 30003 |
| ⁴ Property Code 21687 | ⁵ Property Name Parkway West Unit 28 | ⁶ Well No. #3 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M | 28 | 19S | 29E | | 1310 | South | 1310 | West | Eddy |

⁸ Proposed 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 |
|---|---------|----------|-------|---------|---|------------------|---------------|----------------|--------|
| ⁹ Proposed Pool 1 Parkway; Morrow, West (82600) | | | | | ¹⁰ Proposed Pool 2 Strawn | | | | |

| | | | | |
|-----------------------------------|---|-----------------------------------|--|---|
| ¹¹ Work Type Code N | ¹² Well Type Code O | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 3297' |
| ¹⁶ Multiple NO | ¹⁷ Proposed Depth 11,500' | ¹⁸ Formation Morrow | ¹⁹ Contractor Neighbors Drilling | ²⁰ Spud Date Upon Approval |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17-1/2" | 13-3/8" | 48# | 350' | 500 | Surface |
| 12-1/4" | 8-5/8" | 32# | 3200' | 1500 | Surface |
| 7-7/8" | 5-1/2" | 17# | 11,500' | 750 | 8500' |
| | | | | | |
| | | | | | |

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill and complete the well to test the Morrow. If Morrow unsuccessful, the Strawn will be tested. If the well is productive the target zones will be completed as per state rules. The surface and intermediate casing string cement jobs will have an 18-hour waiting period after cementing jobs are completed. If the well is uneconomical, it will be plugged and abandoned as per state rules.

BOP Program: Blowout Preventer-12" 3000 psi type "E" double ram. 12" 3000 psi GK, 180 gallon 5 station Koomey Air Electric, 4" 3000 psi manifold.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name: Scott M. Webb

Title: Regulatory Coordinator

Date: 12/22/97

Phone: (303)573-4721

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Approval Date:

JAN 7 1998

Expiration Date:

1-7-99

Conditions of Approval
Attached ☐

Drill only

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
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DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0710

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------------|--|-----------------------------------|
| API Number | Pool Code 82600 | Pool Name Parway; Morrow, West |
| Property Code | Property Name PARKWAY 28 | Well Number 3 |
| OGRID No. 023654 | Operator Name UMC PETROLEUM CORPORATION | Elevation 3297 |

Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot No. M | Section 28 | Township 19 S | Range 29 E | Lot Idn | Feet from the 1310 | North/South line SOUTH | Feet from the 1310 | East/West line WEST | County EDDY |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------|

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|---------------------------|---------------------------|--------------------|-----------|
| Dedicated Acres 320 LD | Joint or Infill Infill | Consolidation Code | Order No. |
|---------------------------|---------------------------|--------------------|-----------|

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

| | |
|--|--|
| | OPERATOR CERTIFICATION <i>I hereby certify, the the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Scott M. Webb Printed Name Regulatory Coordinator Title 12/22/97 Date |
| | 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> DECEMBER 16, 1997 Date Surveyed Signature & Seal of Professional Surveyor W.O. Num. 97-142017 Certificate No. RONALD J. EIDSON, 3239 GARY EIDSON, 12841 MAGNUS McDONALD, 12185 |

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

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Form C-101
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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|---|--|----------------------------|
| Operator Name and Address: Stevens & Tull, Inc. P.O. Box 11005 Midland, TX 79702 | | OGRID Number 021602 |
| Property Code 22250 | Property Name Sweet Thing State "X" | API Number 30-015-30004 |
| | | Well No. 1 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P | 36 | 20½S | 21E | | 1000 850 | North | 300 | East | Lea |

Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P | 36 | 20½S | 21E | | 1000 850 | North | 300 | East | Lea |

| | |
|---|----------------------------|
| Proposed Pool 1 Little Box Canyon Morrow Gas 80240 | Proposed Pool 2 11/1/98 |
|---|----------------------------|

| | | | | |
|---------------------|------------------------|---------------------|----------------------|--------------------------------|
| Work Type Code N | Well Type Code G | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 4458 |
| Multiple No | Proposed Depth 8250 | Formation Morrow | Contractor Wek | Spud Date 1/1/98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17½ | 13 3/8 | 48 | 250 | 285 "C" | Circulate |
| 12¼ | 8 5/8 | 32 | 1200 | 405 "C" | Circulate |
| 7 7/8 | 5½ | 17 | 8250 | 435 "H" | 3000' |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

- 1.) Drill 17½ hole to 250' - Set 13 3/8" Casing - Cement with 285 sx "C" - Circulate to Surface.
- 2.) Drill 12¼ hole to 1200' - Set 8 5/8" casing - Cement with 400 sx "C" - Circulate to Surface.
- 3.) Drill 7 7/8" hole to 8250' - run open hole logs - set 5½" casing at 8250' - cement with 435 sx "H". TOC estimated at 3000'.
- 4.) RDMO Drilling Rig and attempt Morrow completion.

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

Signature: *Michael G. Mooney*
Printed name: Michael G. Mooney
Title: Consulting Engineer
Date: 12/10/97
Phone: 915/699-1410

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
Title: DISTRICT II SUPERVISOR
Approval Date: JAN 8 1998
Expiration Date: 1-8-99
Conditions of Approval: Attached ☐

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

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Revised February 10, 1994
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DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0718

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|---------------------------------------|---|
| API Number | Pool Code 80240 | Pool Name Little Box Canyon Morrow Gas |
| Property Code | Property Name SWEET THING STATE 36 | Well Number 1 |
| OGRID No. | Operator Name STEVENS & TULL | Elevation 4458 |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1 | 36 | 20-1/2-S | 21 E | | 850 | NORTH | 300 | EAST | EDDY |

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 |
|-----------------------------|----------------------|--------------------|--|---------|---------------|------------------|---------------|----------------|--------|
| Dedicated Acres * 265.80 | Joint or Infill I | Consolidation Code | Order No. * Unorthodox location approval case # NSL-3901(NSP) | | | | | | |

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

| | | | |
|-----------------|-----------------|-----------------|-----------------|
| LOT 4 26.55 AC. | LOT 3 26.48 AC. | LOT 2 26.42 AC. | LOT 1 26.35 AC. |
|-----------------|-----------------|-----------------|-----------------|

850'
300'
19'

OPERATOR CERTIFICATION

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

Signature
Michael G. Moorey

Printed Name
Consulting Engineer

Title
12/10/97

Date

SURVEYOR CERTIFICATION

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.

DECEMBER 6, 1997

Date Surveyed JLP

Signature & Seal of Professional Surveyor

Ronald J. Eidson 2-10-97

W.O. Num. 97-11-1990

Certificate No. RONALD J. EIDSON, 3239
GARY L. EIDSON, 12841
WILLIAM W. EIDSON, 12185

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

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OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

| | | |
|--|--|-------------------------------|
| Operator Name and Address SDX Resources, Inc. PO Box 5061 Midland, TX 79704 915/685-1761 | | OGRID Number 020451 |
| Property Code 009811 | | Property Name Artesia Unit |
| | | Well No. 73 |
| API Number 30-015-29997 | | |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M | 26 | 17S | 28E | | 600 | South | 990 | West | Eddy |

Proposed 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 |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Artesia, QN-GB-SA (03230) | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|------------------------|-----------------------|---------------------------------|--------------------------------|
| Work Type Code N | Well Type Code O | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 3687 |
| Multiple No | Proposed Depth 3200 | Formation QN-GB-SA | Contractor United Drilg. Co. | Spud Date 01-07-98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|----------------|--------------------|---------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24# | 300 | 275 | Surface |
| 7-7/8" | 4-1/2 - 5-1/2" | 9.5 - 17# | 3200 | 600 | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill a 12-1/4" hole to 300'. Set 8-5/8" csg to 300' & cmt w/275 sx Class C cmt. Circ to surface.

Drill 7-7/8" hole to TD (3200') Run open hole logs. Set 4-1/2" or 5-1/2" csg to TD (3200'). Cmt w/600 sx Class C. Circ to surface.

Will perf & stimulate as necessary for optimum production.

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

Signature:

Bonnie Atwater

Printed name: Bonnie Atwater

Title: Regulatory Tech.

12/29/97

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

JAN 8 1998

Expiration Date:

1-8-99

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|---------------|---------------------|-----------|-------------------|
| API Number | | Pool Code | Pool Name |
| | | 03230 | Artesia, QN-GB-SA |
| Property Code | Property Name | | Well Number |
| 009811 | ARTESIA UNIT | | 73 |
| OGRID No. | Operator Name | | Elevation |
| 020451 | SDX RESOURCES, INC. | | 3687 |

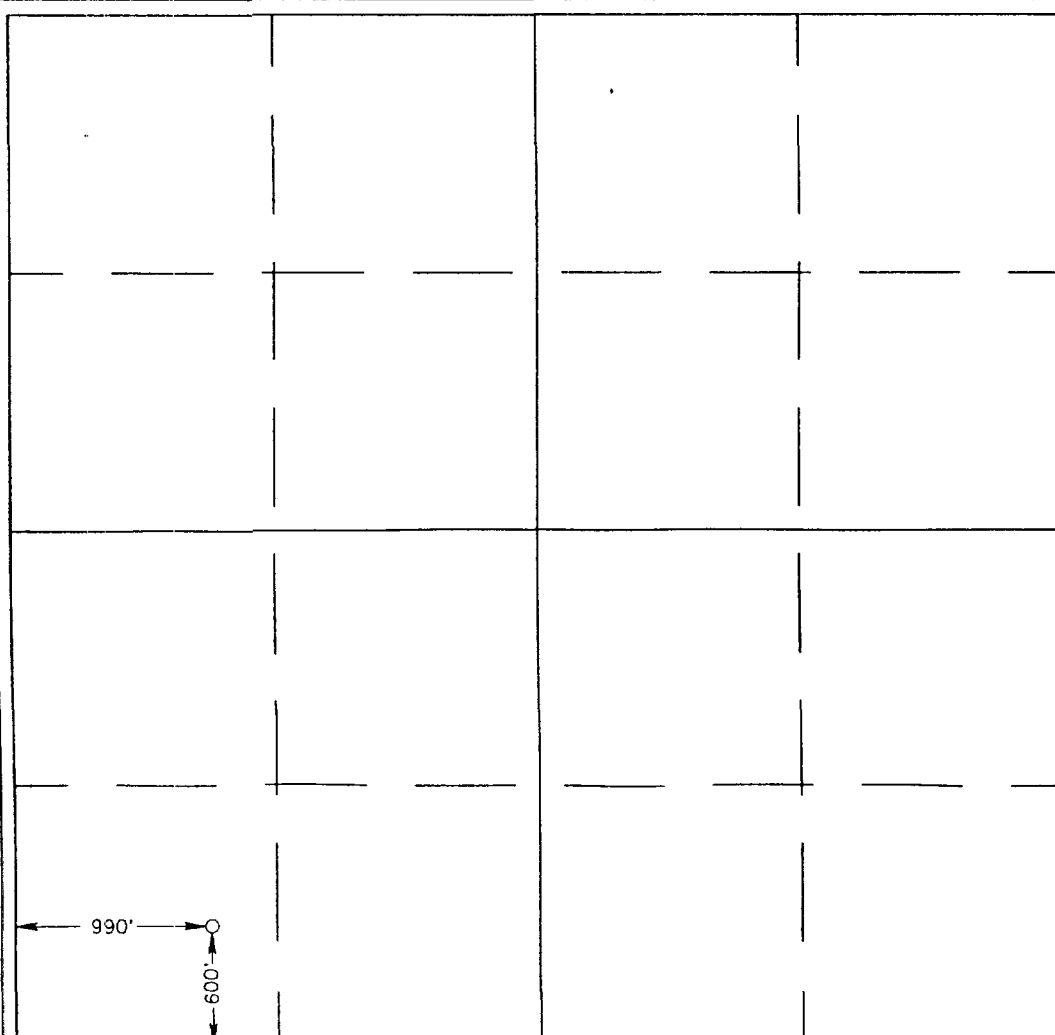
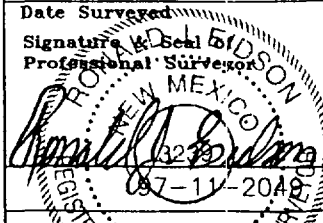
Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| M | 26 | 17 S | 28 E | | 600 | SOUTH | 990 | WEST | EDDY |

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 |
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. | | | | | | |

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

| | |
|--|---|
|  | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <h3 style="text-align: center; margin: 0;">OPERATOR CERTIFICATION</h3> <p style="margin: 5px 0;"><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="margin: 5px 0;"><u>Bonnie Atwater</u> Signature</p> <p style="margin: 5px 0;"><u>Bonnie Atwater</u> Printed Name</p> <p style="margin: 5px 0;"><u>Regulatory Tech.</u> Title</p> <p style="margin: 5px 0;"><u>12/29/97</u> Date</p> </div> <div style="border: 1px solid black; padding: 5px;"> <h3 style="text-align: center; margin: 0;">SURVEYOR CERTIFICATION</h3> <p style="margin: 5px 0;"><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p style="margin: 5px 0; text-align: center;">DECEMBER 19, 1997</p> <p style="margin: 5px 0;">Date Surveyed _____ DMCC</p> <p style="margin: 5px 0;">Signature & Seal of Professional Surveyor _____</p> <div style="text-align: center;">  </div> <p style="margin: 5px 0;">Certificate No. <u>JOHN W. WEST</u> RONALD J. EIDSON REGISTERED PROFESSIONAL SURVEYOR</p> <p style="margin: 5px 0; text-align: right;">676 3239 12641</p> </div> |
|--|---|

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-101
Revised October 18, 1994
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Submit to Appropriate District Office
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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

| | | |
|--|--|----------------------------|
| Operator Name and Address SDX Resources, Inc. PO Box 5061 Midland, TX 79704 915/685-1761 | | OGRID Number 020451 |
| Property Code 009811 | | API Number 30-015-29998 |
| Property Name Artesia Unit | | Well No. 74 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C | 35 | 17S | 28E | | 449 | North | 1651 | West | Eddy |

Proposed 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 |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Artesia, QN-GB-SA (03230) | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|------------------------|-----------------------|---------------------------------|--------------------------------|
| Work Type Code N | Well Type Code O | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 3684 |
| Multiple No | Proposed Depth 3200 | Formation QN-GB-SA | Contractor United Drilg. Co. | Spud Date 01-07-98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|----------------|--------------------|---------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24# | 300 | 275 | Surface |
| 7-7/8" | 4-1/2 - 5-1/2" | 9.5 - 17# | 3200 | 600 | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill a 12-1/4" hole to 300'. Set 8-5/8" csg to 300' & cmt w/275 sx Class C cmt. Circ to surface.

Drill 7-7/8" hole to TD (3200') Run open hole logs. Set 4-1/2" or 5-1/2" csg to TD (3200'). Cmt w/600 sx Class C. Circ to surface.

Will perf & stimulate as necessary for optimum production.

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

Signature: *Bonnie Atwater*

Printed name: Bonnie Atwater

Title: Regulatory Tech.

12/29/97

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: JAN 8 1998

Expiration Date: 1-8-99

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SION
DEC 23 1997
B ☐

☐ AMENDED REPORT

| | | | | |
|-------------------------|--------------------------------------|--------------------|--------------------------------|-------------------|
| API Number | | Pool Code 03230 | Pool Name Artesia, QN-GB-SA | |
| Property Code 009811 | Property Name ARTESIA UNIT | | | Well Number 74 |
| OGRID No. 020451 | Operator Name SDX RESOURCES, INC. | | | Elevation 3684 |

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| C | 35 | 17 S | 28 E | | 449 | NORTH | 1651 | WEST | EDDY |

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
| 40 | | | |

1651'

449'

| | | |
|-----------------|------------------|-------|
| Certificate No. | JOHN W. WEST | 676 |
| | RONALD J. EIDSON | 3239 |
| | JOHN EIDSON | 12641 |

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

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|----------------------------|
| Operator Name and Address SDX Resources, Inc. PO Box 5061 Midland, TX 79704 915/685-1761 | | OCRID Number 020451 |
| Property Code 009811 | | API Number 30-015-29999 |
| Property Name Artesia Unit | | Well No. 75 |

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 | 35 | 17S | 28E | | 1650 | North | 1650 | West | Eddy |

Proposed 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 |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Artesia, QN-GB-SA (03230) | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|------------------------|-----------------------|--------------------------------|--------------------------------|
| Work Type Code N | Well Type Code O | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 3684 |
| Multiple No | Proposed Depth 3200 | Formation QN-GB-SA | Contractor United Drig. Co. | Spud Date 01-07-98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|----------------|--------------------|---------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24# | 300 | 275 | Surface |
| 7-7/8" | 4-1/2 - 5-1/2" | 9.5 - 17# | 3200 | 600 | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill a 12-1/4" hole to 300'. Set 8-5/8" csg to 300' & cmt w/275 sx Class C cmt. Circ to surface.

Drill 7-7/8" hole to TD (3200') Run open hole logs. Set 4-1/2" or 5-1/2" csg to TD (3200'). Cmt w/600 sx Class C. Circ to surface.

Will perf & stimulate as necessary for optimum production.

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

Signature:

Bonnie Atwater

Printed name: Bonnie Atwater

Title: Regulatory Tech.

12/29/97

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

JAN 8 1998

Expiration Date:

1-8-99

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2086, SANTA FE, N.M. 87504-2086

State of New Mexico
Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|---------------------|-------------------|
| API Number | Pool Code | Pool Name |
| | 03230 | Artesia, QN-GB-SA |
| Property Code | Property Name | Well Number |
| 009811 | ARTESIA UNIT | 75 |
| OGRID No. | Operator Name | Elevation |
| 020451 | SDX RESOURCES, INC. | 3684 |

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 | 35 | 17 S | 28 E | | 1650 | NORTH | 1650 | WEST | EDDY |

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 |
| | | | | | | | | | |

| | | | |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
| 40 | | | |

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

| | |
|--|--|
| | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Bonnie Atwater</i> Signature</p> <p>Bonnie Atwater Printed Name</p> <p>Regulatory Tech. Title</p> <p>12/29/97 Date</p> <p>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>DECEMBER 19, 1997</p> <p>Date Surveyed</p> <p>Signature of Professional Surveyor</p> <p>Professional Surveyor</p> <p>12-22-97</p> <p>197-11-2054</p> <p>Certified by</p> <p>JOHN W. GUEST RONALD E. EIDSON DAN EIDSON</p> <p>676 3239 12641</p> |
|--|--|

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

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|--------------------------------|
| Operator Name and Address SDX Resources, Inc. PO Box 5061 Midland, TX 79704 915/685-1761 | | OG/RID Number 020451 |
| Property Code 009811 | | API Number 30 - 015 - 30000 |
| Property Name Artesia Unit | | Well No. 76 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L | 35 | 17S | 28E | | 1650 | South | 1155 | West | Eddy |

Proposed 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 |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Artesia, QN-GB-SA (03230) | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|------------------------|-----------------------|--------------------------------|--------------------------------|
| Work Type Code N | Well Type Code O | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 3677 |
| Multiple No | Proposed Depth 3200 | Formation QN-GB-SA | Contractor United Drig. Co. | Spud Date 01-07-98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|----------------|--------------------|---------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24# | 300 | 275 | Surface |
| 7-7/8" | 4-1/2 - 5-1/2" | 9.5 - 17# | 3200 | 600 | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill a 12-1/4" hole to 300'. Set 8-5/8" csg to 300' & cmt w/275 sx Class C cmt. Circ to surface.

Drill 7-7/8" hole to TD (3200') Run open hole logs. Set 4-1/2" or 5-1/2" csg to TD (3200'). Cmt w/600 sx Class C. Circ to surface.

Will perf & stimulate as necessary for optimum production.

Permitted as a standard location in the Artesia Unit Waterflood Project (R-3311) as per OCD Order No. R-10533.

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

Signature:

Bonnie Atwater

Printed name: Bonnie Atwater

Title: Regulatory Tech.

12/19/97

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

JAN 8 1998

Expiration Date:

1-8-99

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

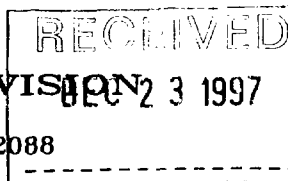
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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P.O. Box 2088
Santa Fe, New Mexico 87504-2088



AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|---------------------|-------------------|
| API Number | Pool Code | Pool Name |
| | 03230 | Artesia, QN-GB-SA |
| Property Code | Property Name | Well Number |
| 009811 | ARTESIA UNIT | 76 |
| OGRID No. | Operator Name | Elevation |
| 020451 | SDX RESOURCES, INC. | 3677 |

Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot 1dn | Feet from the | North/South line | Feet from the | East/West line | County |
| L | 35 | 17 S | 28 E | | 1650 | SOUTH | 1155 | WEST | EDDY |

Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|-----------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot 1dn | Feet from the | North/South line | Feet from the | East/West line | County |
| | | | | | | | | | |
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. | | | | | | |
| 40 | | | | | | | | | |

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

| | |
|--|---|
| | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Bonnie Atwater</u> Signature</p> <p>Bonnie Atwater Printed Name</p> <p>Regulatory Tech. Title</p> <p>12/29/97 Date</p> <p>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>DECEMBER 18, 1997</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p>JOHN W. EIDSON 12-22-97 37-11-2052</p> <p>Certificate No. JOHN W. EIDSON 676 3239 12641</p> |
|--|---|

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-101

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|---------------------------------|
| 1 Operator Name and Address SDX Resources, Inc. PO Box 5061 Midland, TX 79704 915/685-1761 | | 2 OGRID Number 020451 |
| 3 Property Code 009811 | | 4 Property Name Artesia Unit |
| | | 5 Well No. 77 |

DEC 1997
RECEIVED
OCD - ARTESIA

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I | 34 | 17S | 28E | | 1734 | South | 330 | East | Eddy |

Proposed 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 |
|--|---------|----------|-------|---------|--------------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| 9 Proposed Pool 1 Artesia, QN-GB-SA (03230) | | | | | 10 Proposed Pool 2 | | | | |

| | | | | |
|------------------------|---------------------------|--------------------------|------------------------------------|-----------------------------------|
| 11 Work Type Code N | 12 Well Type Code O | 13 Cable/Rotary R | 14 Lease Type Code S | 15 Ground Level Elevation 3675 |
| 16 Multiple No | 17 Proposed Depth 3200 | 18 Formation QN-GB-SA | 19 Contractor United Drilg. Co. | 20 Spud Date 01-07-98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|----------------|--------------------|---------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24# | 300 | 275 | Surface |
| 7-7/8" | 4-1/2 - 5-1/2" | 9.5 - 17# | 3200 | 600 | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill a 12-1/4" hole to 300'. Set 8-5/8" csg to 300' & cmt w/275 sx Class C cmt. Circ to surface.

Drill 7-7/8" hole to TD (3200') Run open hole logs. Set 4-1/2" or 5-1/2" csg to TD (3200'). Cmt w/600 sx Class C. Circ to surface.

Will perf & stimulate as necessary for optimum production.

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Bonnie Atwater*

Printed name: Bonnie Atwater

Title: Regulatory Tech. 12/29/97

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Approval Date:

JAN 8 1998

Expiration Date:

1-8-99

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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DEC 23 1997

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|---------------|---------------------|-----------|-------------------|
| API Number | | Pool Code | Pool Name |
| | | 03230 | Artesia, QN-GB-SA |
| Property Code | Property Name | | Well Number |
| 009811 | ARTESIA UNIT | | 77 |
| OGRID No. | Operator Name | | Elevation |
| 020451 | SDX RESOURCES, INC. | | 3675 |

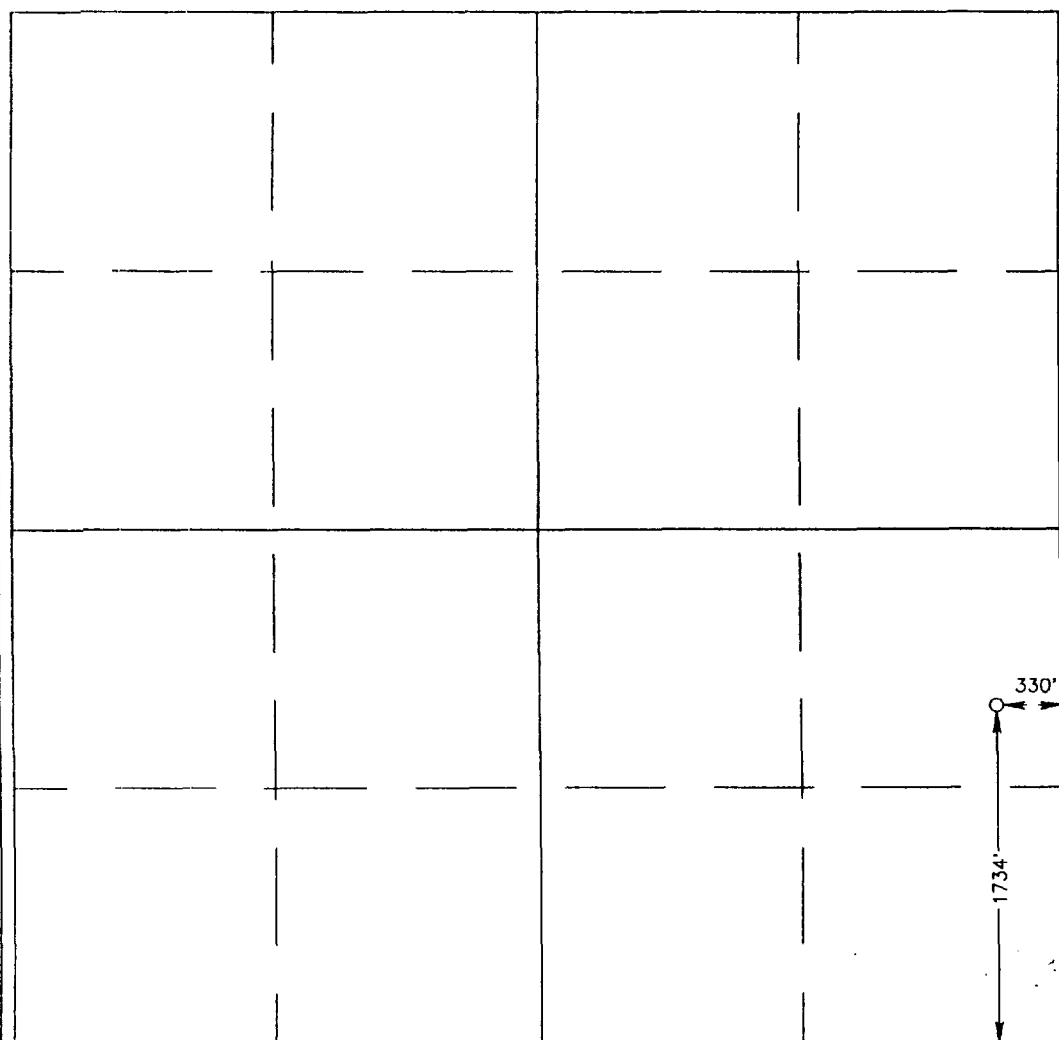
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1 | 34 | 17 S | 28 E | | 1734 | SOUTH | 330 | EAST | EDDY |

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 |
|-----------------|---------|-----------------|-------|--------------------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| Dedicated Acres | | Joint or Infill | | Consolidation Code | | 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



OPERATOR CERTIFICATION

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

Bonnie Atwater
Signature

Bonnie Atwater
Printed Name

Regulatory Tech.
Title

12/29/97
Date

SURVEYOR CERTIFICATION

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.

DECEMBER 18, 1997

Date Surveyed DMCC

Signature & Seal of Professional Surveyor
Ronald E. Gibson
RONALD E. GIBSON
12-22-97
73211-20538

Certificate No. JOHN W. WISE 676
RONALD E. GIBSON 3239
GARY FOSTER 12641

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

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

| | | |
|---|--|--|
| ¹ Operator Name and Address. Yates Petroleum Corporation 105 S. 4th Street Artesia, New Mexico 88210 | | ² OGRID Number 025575 |
| | | ³ API Number 98-015-29264 |
| ⁴ Property Code 22246 | ⁵ Property Name Unforgiven "ARZ" State | ⁶ Well No. 1 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| K | 11 | 12S | 27E | | 2350' | South | 1800' | West | Chaves |

⁸ Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|--|---------|----------|-------|---------|-------------------------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| ⁹ Proposed Pool 1 Long Arroyo, NM Wildcat Devonian | | | | | ¹⁰ Proposed Pool 2 | | | | |

| | | | | |
|-----------------------------------|---------------------------------------|--------------------------------------|--|---|
| ¹¹ Work Type Code N | ¹² Well Type Code O | ¹³ Cable/Rotary Rotary | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 3688' |
| ¹⁶ Multiple N | ¹⁷ Proposed Depth 7130' | ¹⁸ Formation Devonian | ¹⁹ Contractor Undesignated | ²⁰ Spud Date ASAP |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 12 1/4" | 8 5/8" | 24# | 1500' | 700 sx | Circulate |
| 7 7/8" | 5 1/2" | 15.5 # 17# | 7130' | 800 sx | As warranted |
| | | | | | |
| | | | | | |
| | | | | | |

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Yates Petroleum Corporation proposes to drill and test the Devonian and intermediate formations. Approximately 1500' of surface casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production.

MUD PROGRAM: Spud to 1500' FW Gel/LCM; 1500' to 4900' Cut Brine; 4900' to 7130' SW Gel Starch.

BOPE PROGRAM: BOPE will be installed on the 8 5/8" casing and tested daily.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Clifton R. May

Printed name:

CLIFTON R. MAY

Title:

REGULATORY AGENT

Date:

November 5, 1997

Phone:

505-748-4347

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

DEC 12 1997

Expiration Date:

12-12-98

Conditions of Approval:

Attached ☐

1151 # 1111
12-8-97

STRICT I
Box 1980, Hobbs, NM 88240

STRICT II
Drawer DD, Artesia, NM 88210

STRICT III
00 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------------------|---|--|
| API Number 30-015-29964 | Pool Code | Pool Name LONG ARROYO, NW Wildcat Devonian Dev |
| Property Code | Property Name UNFORGIVEN "ARZ" STATE | Well Number 1 |
| OGRID No. 025575 | Operator Name YATES PETROLEUM CORPORATION | Elevation 3688 |

Surface Location

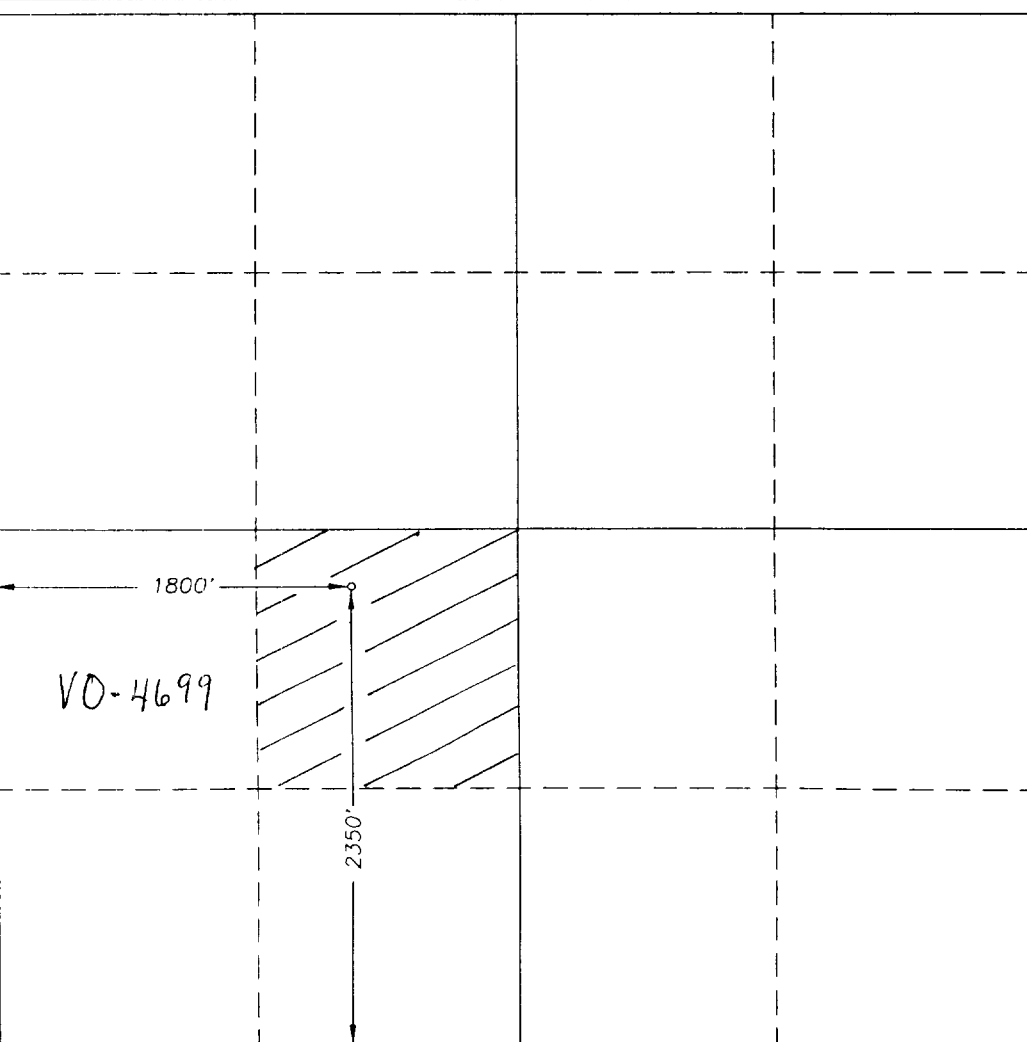
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|---------------|
| K | 11 | 12S | 27E | | 2350 | SOUTH | 1800 | WEST | CHAVES |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres 40 | Joint or Infill | Consolidation Code | Order No. |
|------------------------------|-----------------|--------------------|-----------|

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



OPERATOR CERTIFICATION

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

Clifton R. May
Signature
Clifton R. May
Printed Name
Regulatory Agent
Title
November 5, 1997
Date

SURVEYOR CERTIFICATION

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.

Date **11/20/97**
Signature **NEERACH JONES**
Professional Surveyor
3640
Certificate **NEERACH JONES RLS 3640**
UNFORGVN DISK #6
GENERAL SURVEYING COMPANY

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|---|
| ¹ Operator Name and Address Pogo Producing Company P.O. Box 10340 Midland, Texas 79702 | | ² OGRID Number 017891 |
| | | ³ API Number 30-015-29987 |
| ⁴ Property Code 17565 | ⁵ Property Name Harroun "15" | ⁶ Well No. 7 |

7 Surface Location

| UL or Lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C | 15 | 24S | 29E | | 330 | North | 1980 | West | Eddy |

8. Proposed 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 |
|--|---------|----------|-------|---------|-------------------------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| ⁹ Proposed Pool 1 Pierce Crossing, Bone Springs E. | | | | | ¹⁰ Proposed Pool 2 | | | | |

| | | | | |
|-----------------------------------|---------------------------------------|---|------------------------------------|---|
| ¹¹ Work Type Code N | ¹² Well Type Code O | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 2939' |
| ¹⁶ Multiple S | ¹⁷ Proposed Depth 8250' | ¹⁸ Formation Bone Springs | ¹⁹ Contractor N/A | ²⁰ Spud Date Upon Approval |

21. Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 14-3/4" | 10-3/4" | 32.75# H-40 | 500' | 500 sx | Surface |
| 9-7/8" | 7-5/8" | 26.40# J-55 | 3000' | 900 sx | Surface |
| 6-3/4" | 4-1/2" | 11.60# J-55 | 8250' | 900 sx | 3200' |
| | | | | | |
| | | | | | |

22. Describe the proposed program. If this is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This proposed well is a Bone Springs Test.
B.O.P. Sketch attached.

RECEIVED
OCD ARTESIA

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed Name:

James M.C. Ritchie, Jr.

Title:

Agent

Date:

12/31/97

Phone:

(915) 682-6601

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Approval Date:

JAN 8 1998

Expiration Date:

1-8-99

Conditions of Approval:

Attached: ☐

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|------------------------|---|---|
| API Number | Pool Code 96473 | Pool Name Picile Crossing, Bone Springs E. |
| Property Code 17565 | Property Name HARROUN 15 | Well Number 7 |
| OGRID No. 017891 | Operator Name POGO PRODUCING COMPANY | Elevation 2939 |


Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| C | 15 | 24 S | 29 E | | 330 | NORTH | 1980 | WEST | EDDY |

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 |
| | | | | | | | | | |
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. | | | | | | |

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

| | | |
|--|---|--|
|  | OPERATOR CERTIFICATION | |
| | I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. | |
| | Signature James M.C. Ritchie Jr. | |
| | Printed Name JAMES M.C. Ritchie Jr. | |
| | Title AGENT | |
| | Date 12/31/97 | |
| | Date | |
| | SURVEYOR CERTIFICATION | |
| | 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. | |
| | DECEMBER 18, 1997 | |
| | Date Surveyed JLP | |
| | Signature & Seal of Professional Surveyor | |
| | RONALD J. EIDSON 12-22-97 | |
| | W.O. Num. 97-11-2064 | |
| | Certificate No. RONALD J. EIDSON, 3239 | |
| | GARY G. EIDSON, 12641 | |
| MACON McDONALD, 12185 | | |

District II
811 S. 1st Street Artesia, NM 88210-1404
District III
1000 Rio Brazos Rd, Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

| | | |
|--|--------------------------------|----------------------------|
| Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960 | | OGRID Number 013837 |
| | | API Number 30-015-30005 |
| Property Code 22240 | Property Name Juniper State | Well No. 1 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M | 16 | 17S | 30E | | 890 | South | 990 | West | Eddy |

Proposed 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 |
|---|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Loco Hills Paddock 96718 | | | | | Proposed Pool 2 | | | | |

| Work Type Code | Well Type Code | Cable/Rotary | Lease Type Code | Ground Level Elevation |
|----------------|----------------|--------------|-----------------|------------------------|
| N | O | R | S | 3662 |
| Multiple | Proposed Depth | Formation | Contractor | Spud Date |
| No | 5500' | Paddock | LaRue | 1/10/98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|--------------------|---------------|
| 12 1/4 | 8 5/8 | 24# | 450' | Circ | |
| 7 7/8 | 5 1/2 | 17# | 5500' | Sufficient to Circ | |
| | | | | | |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mack Energy Corporation proposes to Drill to 450', run 8 5/8" casing and cement. Drill to 5500' and test Paddock Zone, run 5 1/2" casing and cement. Put well on production.

Note: On Production string, a fluid caliber will be run, will figure cement, with 25% excess, attempt to circulate.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature

Crissa D. Carter

Printed name:

Crissa D. Carter

Title:

Production Clerk

Date:

1/9/98

Phone:

(505)748-1288

OIL CONSERVATION DIVISION

Approval by:

CRISSA D. CARTER BY TIM W. GUM
DISTRICT II SUPERVISOR

Approval Date:

1-9-98

Expintion Dste

1-9-99

Conditions of Approval:

Attached ☐

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|-------------------------|--------------------|
| API Number | Pool Code | Pool Name |
| | 96718 | Loco Hills Paddock |
| Property Code | Property Name | Well Number |
| | JUNIPER STATE | 1 |
| OGRID No. | Operator Name | Elevation |
| 013837 | MACK ENERGY CORPORATION | 3662 |

Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| M | 16 | 17 S | 30 E | | 890 | SOUTH | 990 | WEST | EDDY |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| | | | |

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

| | |
|--|---|
| <div style="border: 1px dashed black; height: 200px; margin-bottom: 10px;"></div> <div style="border: 1px dashed black; height: 200px;"></div> | <h3 style="text-align: center; margin: 0;">OPERATOR CERTIFICATION</h3> <p style="font-size: small; text-align: center; margin: 5px 0;">I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <div style="margin-top: 20px;"> </div> <div style="margin-top: 10px;"> <p style="text-align: center; margin: 0;">Signature</p> <p style="text-align: center; margin: 0;">Crissa D. Carter</p> <p style="text-align: center; margin: 0;">Printed Name</p> <p style="text-align: center; margin: 0;">Production Clerk</p> <p style="text-align: center; margin: 0;">Title</p> <p style="text-align: center; margin: 0;">1/9/98</p> <p style="text-align: center; margin: 0;">Date</p> </div> |
| <div style="border: 1px dashed black; height: 200px; margin-bottom: 10px;"></div> <div style="border: 1px dashed black; height: 200px;"></div> | <h3 style="text-align: center; margin: 0;">SURVEYOR CERTIFICATION</h3> <p style="font-size: small; text-align: center; margin: 5px 0;">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> <div style="margin-top: 20px; text-align: center;"> <p style="font-size: large; margin: 0;">JANUARY 6, 1998</p> </div> <div style="margin-top: 10px;"> <p style="text-align: center; margin: 0;">Date Surveyed</p> <p style="text-align: center; margin: 0;">JLP</p> </div> <div style="margin-top: 10px;"> <p style="text-align: center; margin: 0;">Signature & Seal of Professional Surveyor</p> <div style="text-align: center; margin: 10px 0;"> </div> </div> <div style="margin-top: 10px;"> <p style="text-align: center; margin: 0;">Certificate No. RONALD G. TIDSON, 3239</p> <p style="text-align: center; margin: 0;">GARLAND TIDSON, 12041</p> <p style="text-align: center; margin: 0;">W.D. (Num. 98-11-0004) McDONALD, 12185</p> </div> |

990'

890'

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-101

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, ~~PLUG BACK~~, OR ADD A ZONE

| | | |
|--|--|--------------------------------|
| Operator Name and Address SDX Resources, Inc. PO Box 5061 Midland, TX 79704 915/685-1761 | | OGRID Number 020451 |
| Property Code 009811 | | API Number 30 - 015 - 30002 |
| Property Name Artesia Unit | | Well No. 78 |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West Line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| H | 3 | 18S | 28E | | 1650 | North | 990 | East | Eddy |

Proposed 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 |
|--|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1 Artesia, QN-GB-SA (03230) | | | | | Proposed Pool 2 | | | | |

| | | | | |
|---------------------|------------------------|-----------------------|--------------------------------|--------------------------------|
| Work Type Code N | Well Type Code O | Cable/Rotary R | Lease Type Code S | Ground Level Elevation 3651 |
| Multiple No | Proposed Depth 3200 | Formation QN-GB-SA | Contractor United Drig. Co. | Spud Date 01-07-98 |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|----------------|--------------------|---------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24# | 300 | 275 | Surface |
| 7-7/8" | 4-1/2 - 5-1/2" | 9.5 - 17# | 3200 | 600 | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill a 12-1/4" hole to 300'. Set 8-5/8" csg to 300' & cmt w/275 sx Class C cmt. Circ to surface.

Drill 7-7/8" hole to TD (3200') Run open hole logs. Set 4-1/2" or 5-1/2" csg to TD (3200'). Cmt w/600 sx Class C. Circ to surface.

Will perf & stimulate as necessary for optimum production.

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

Signature:

Bonnie Atwater

Printed name: Bonnie Atwater

Title: Regulatory Tech.

12/29/97

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

JAN 8 1998

Expiration Date:

1-8-99

DISTRICT I
P.O. Box 1880, Hobbs, NM 88241-1880

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
DEC 23 1997

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---------------|---------------------|-------------------|
| API Number | Pool Code | Pool Name |
| | 03230 | Artesia, QN-GB-SA |
| Property Code | Property Name | Well Number |
| 009811 | ARTESIA UNIT | 78 |
| OGRID No. | Operator Name | Elevation |
| 020451 | SDX RESOURCES, INC. | 3651 |

Surface Location

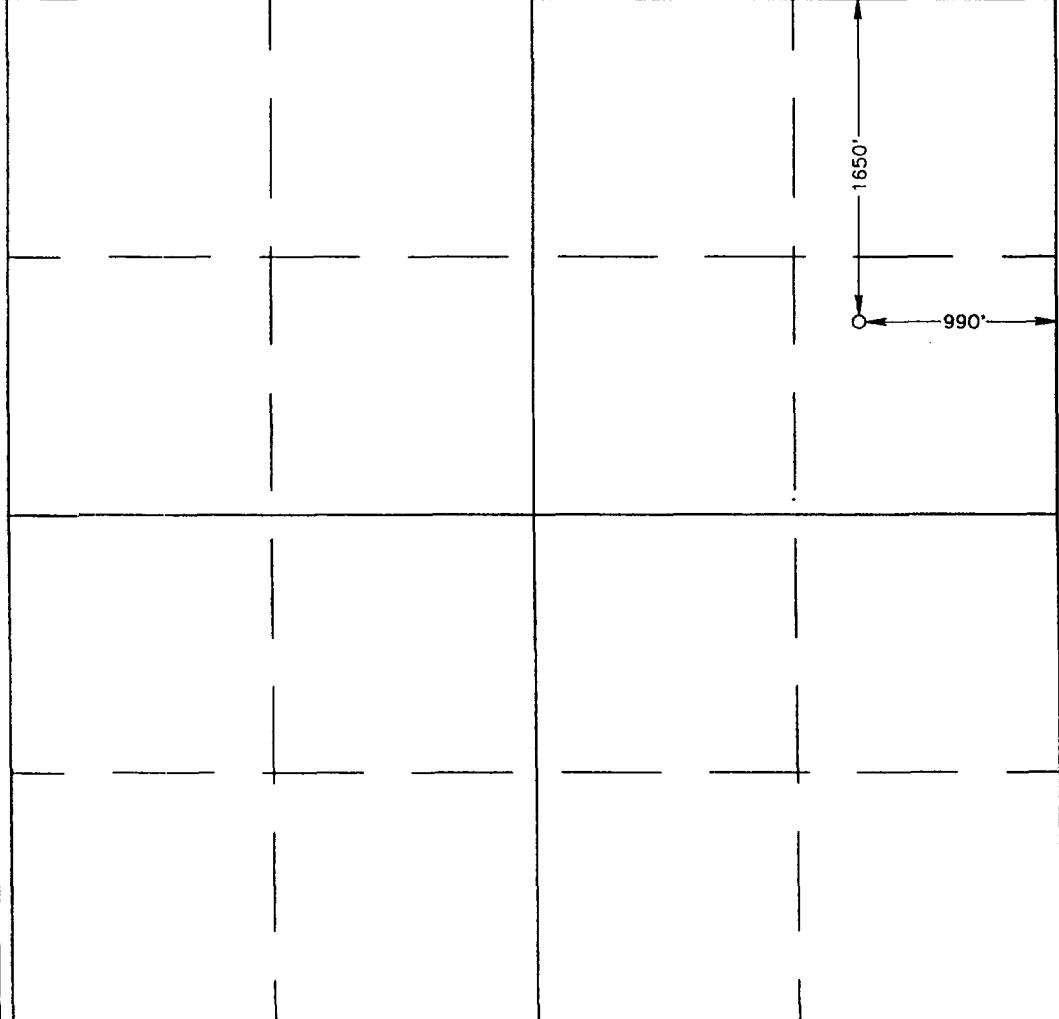
| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| H | 3 | 18 S | 28 E | | 1650 | NORTH | 990 | EAST | EDDY |

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 |
| | | | | | | | | | |

| | | | |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | 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

| | |
|---|--|
|  | OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Bonnie Atwater</i> Signature Bonnie Atwater Printed Name Regulatory Tech. Title 12/29/97 Date |
| | SURVEYOR CERTIFICATION 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. DECEMBER 18, 1997 Date Surveyed Signature & Seal of Professional Surveyor NEW MEXICO 12-22-97 Certified No. JOHN W. WEST PROFESSIONAL SURVEYOR 676 3239 12641 |
| | DMCC |



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

October 14, 1986

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mr. Michael Williams
Amoco Production Company
P. O. Box 3092
Houston, Texas 77253

Re: CASE NO. 3022
ORDER NO. R-8325

Applicant:

Amoco Production Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Division order recently entered in the subject case.

Sincerely,

R. L. STAMETS
Director

RLS/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

Other Ronald F. Horn