

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

Form C-101
Revised February 10, 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, PLUGBACK, OR ADD A ZONE

| | | |
|--|--|---|
| ¹ Operator name and Address Shell Western E&P Inc. P.O. Box 576 Houston, TX 77001 | | ² OGRID Number 020676 |
| | | ³ API Number 30-0 30-025-32844 |
| ⁴ Property Code 10120 | ⁵ Property Name STATE "A" | ⁶ Well Number 10 |

| 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 |
| A | 31 | 17S | 35E | | 940 | NORTH | 940 | EAST | LEA |

| 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 |
| B | 31 | 17S | 35E | | 330 | NORTH | 2310 | EAST | LEA |

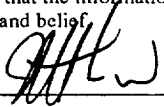

| ⁹ Proposed Pool 1 | | | | | ¹⁰ Proposed Pool 2 | | | | |
|------------------------------|--|--|--|--|-------------------------------|--|--|--|--|
| VACUUM - MIDDLE PENN | | | | | | | | | |

| | | | | |
|--|--|--|---|--|
| ¹¹ Work Type Code E | ¹² Well Type Code G | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 3973'GR |
| ¹⁶ Multiple NO | ¹⁷ Proposed Depth 11,850' | ¹⁸ Formations MIDDLE PENN | ¹⁹ Contractor NORTON DRLG. CO. | ²⁰ Spud Date 01/15/97 |

| ²¹ Proposed Casing and Cement Program | | | | | |
|--|-----------------|----------------------|----------------------|-----------------|--------------------|
| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
| 24" | 20" | CONDUCTOR | 40' | 60 SX | SURFACE |
| 17-1/2" | 13-3/8" | 54.50# | 1478' | 1350 SX | SURFACE |
| 12-1/4" | 9-5/8" | 36# | 3706' | 1250 SX | SURFACE |
| 8-3/4" | 7" | 23# & 26# | 10,700' | 2880 SX | 4230' (CBL) |
| 6 1/8" | 5" LINER | 15# | 10,450-11,850 | 550 SX | TOC 10,450' |

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

THIS IS THE PROPOSED CASING AND CEMENT PROGRAM FOR THE 11,850' MORROW TEST.
AT THE PRESENT TIME, THE PROPOSAL PLAN IS TO CUT A WINDOW AND KICK HORIZONTALLY 1500'
IN THE MIDDLE PENNSYLVANIAN ZONE. A PROPOSED HORIZONTAL CASING AND CEMENT PROGRAM HAS
NOT BEEN FORMULATED TO DATE.
BOP PROGRAM: 2000# RAM PREVENTER

| | | | |
|--|--|--|------------------|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature:  | | OIL CONSERVATION DIVISION | |
| Printed name: JEFF A DETHROW CPL | | Approved by:  | |
| Title: CONTRACT LANDMAN | | Title: | |
| Date: 12/11/96 | | Approval Date: FEB 04 1997 | Expiration Date: |
| Phone: (713) 544-3226 | | Conditions of Approval: Attached <input type="checkbox"/> | |

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
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Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|----------------------------|---|-----------------------------------|
| API Number 30-025-32844 | Pool Code 62300 | Pool Name VACUUM - MIDDLE PENN |
| Property Code 10120 | Property Name STATE "A" | Well Number 10 |
| OGRID No. 020676 | Operator Name SHELL WESTERN E & P INC. | Elevation 3973 |

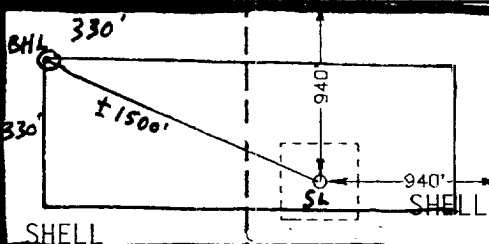
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 31 | 17 S | 35 E | | 940 | NORTH | 940 | EAST | LEA |

Bottom Hole Location If Different From Surface

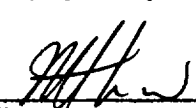
| | | | | | | | | | |
|-----------------------|-----------------|--------------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot No. B | Section 31 | Township 17S | Range 35E | Lot Idn | Feet from the 330 | North/South line NORTH | Feet from the 2310 | East/West line EAST | County LEA |
| Dedicated Acres 80 | 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

| | | | |
|----------------------|----------------|--|-------|
| LOT 1 37.50 ACRES | TEXACO |  | |
| LOT 2 37.51 ACRES | MARATHON/SHELL | SHELL | SHELL |
| LOT 3 37.42 ACRES | | | |
| LOT 4 37.42 ACRES | | | |

OPERATOR CERTIFICATION

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


Signature
JEFF A DETHROW CPL
Printed Name
CONTRACT LANDMAN
Title
12/11/96
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.

JANUARY 19, 1995
Date Surveyed
Signature
Professional Surveyor
No. 3239
1-24-95
W.O. 94-02258
Certification
JOHN WEST, 676
RONALD JOHNSON, 3239