



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

April 25, 1996

Shell Western E & P Inc.  
P. O. Box 576  
Houston, Texas 77001  
Attention: Yvonne T. Iverson

*Administrative Order DD-138(H)*  
High Angle/Horizontal

Dear Ms. Iverson:

Reference is made to Shell Western E & P Inc.'s ("Shell") application dated March 27, 1996 for authorization to complete its State Ridge "B" Well No. 1 (API No. 30-025-33307) by side tracking off of the vertical wellbore and drill horizontally in order to further develop the Undesignated Vacuum-Middle Pennsylvanian Pool underlying the NE/4 SE/4 (Unit I) of Section 30, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico.

**The Division Director Finds That:**

- (1) The subject application has been duly filed under the provisions of Rule 111.D and E of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) The State Ridge "B" Well No. 1, is currently drilling at a standard surface oil well location 2310 feet from the South line and 990 feet from the East line (Unit I) of said Section 30. It is our understanding that Shell intends to drill down to a sufficient depth in order to test the Morrow and Atoka formations for gas, should both zones prove unfavorable said well is to be plugged back and recompleted in the Undesignated Vacuum-Middle Pennsylvanian Pool;
- (3) Said well is within one mile of the current boundary of the Vacuum-Middle Pennsylvanian Pool, said pool is subject to the statewide rules and regulations, as promulgated by Rule 104.C(1)(a), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of a single 40-acre oil spacing and proration unit;

- (4) The "project area" proposed by Shell would consist of a standard 40-acre spacing and proration unit comprising the NE/4 SE/4 of said Section 30;
- (5) The applicant/operator proposes to kick-off from vertical at a depth of approximately 10,400 feet by milling a window in the production casing, drill in a southeasterly direction with a short radius curve, and drill horizontally within the Undesignated Vacuum-Middle Pennsylvanian Pool a lateral distance of approximately 900 feet;
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the NE/4 SE/4 (Unit I) of said Section 30 that is no closer than 330 feet to any quarter-quarter; and,
- (7) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

**IT IS THEREFORE ORDERED THAT:**

(1) The applicant, Shell Western E & P Inc. ("Shell"), is hereby authorized to complete its State Ridge "B" Well No. 1 (API No. 30-025-33307), from a standard surface location 2310 feet from the South line and 990 feet from the East line (Unit I) of Section 30, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, by milling a window in the production casing at a depth of approximately 10,400 feet, kick-off from vertical in an southeasterly direction with a short radius curve, and continue drilling horizontally within the Undesignated Vacuum-Middle Pennsylvanian Pool a lateral distance of approximately 900 feet.

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

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

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

of the Division upon completion.

(3) The "project area" for said horizontal well shall consist of a standard 40-acre oil spacing and proration unit comprising the NE/4 SE/4 of said Section 30.

(4) The "producing area" for said horizontal wellbore shall include that area within the NE/4 SE/4 of said Section 30 that is no closer than 330 feet from the outer boundary of proposed 40-acre standard oil spacing and proration unit.

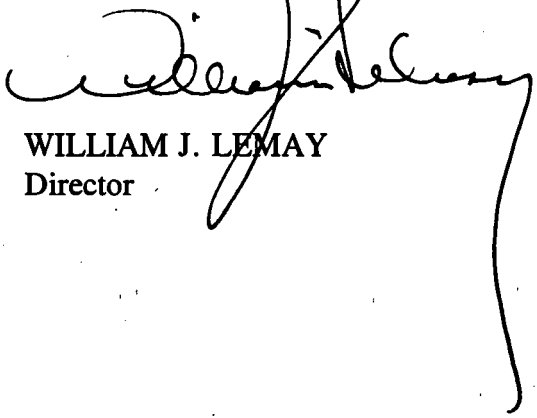
(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.

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

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

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY  
Director

SEAL

cc: Oil Conservation Division - Hobbs  
New Mexico State Land Office - Santa Fe

DD-Shell

Rec: 4-2-96

Susp: 4-22-96

Released: 4-24-96

April 24, 1996

Shell Western E & P Inc.  
P. O. Box 576  
Houston, Texas 77001

Attention: Yvonne T. Iverson

138  
Administrative Order DD-~~138~~(H)  
High Angle/Horizontal

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- (3) Said well is within one mile of the current boundary of the Vacuum-Middle Pennsylvanian Pool, said pool is subject to the statewide rules and regulations, as promulgated by Rule 104.C(1)(a), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of a single 40-acre oil spacing and proration unit;
- (4) The "project area" proposed by Shell would consist of a standard 40-acre spacing

and proration unit comprising the NE/4 SE/4 of said Section 30;

- (5) The applicant/operator proposes to kick-off from vertical at a depth of approximately 10,400 feet by milling a window in the production casing, drill in a southeasterly direction with a short radius curve, and drill horizontally within the Undesignated Vacuum-Middle Pennsylvanian Pool a lateral distance of approximately 900 feet;
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- (7) It appears the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

**IT IS THEREFORE ORDERED THAT:**

(1) The applicant, Shell Western E & P Inc. ("Shell"), is hereby authorized to complete its State Ridge "B" Well No. 1 (API No. 30-025-33307), from a standard surface location 2310 feet from the South line and 990 feet from the East line (Unit I) of Section 30, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, by milling a window in the production casing at a depth of approximately 10,400 feet, kick-off from vertical in an southeasterly direction with a short radius curve, and continue drilling horizontally within the Undesignated Vacuum-Middle Pennsylvanian Pool a lateral distance of approximately 900 feet.

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(4) The "producing area" for said horizontal wellbore shall include that area within the NE/4 SE/4 of said Section 30 that is no closer than 330 feet from the outer boundary of proposed 40-acre standard oil spacing and proration unit.

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

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

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

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director

S E A L

cc: Oil Conservation Division - Hobbs  
New Mexico State Land Office - Santa Fe

OIL CONSERVATION DIVISION  
RECEIVED

96 APR 2 AM 8 52

**Shell Western E&P Inc.**

An affiliate of Shell Oil Company



P. O. Box 576  
Houston, TX 77001

March 27, 1996

Mr. Michael E. Stogner  
State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Dear Mr. Stogner:

SUBJECT: APPLICATION FOR ADMINISTRATIVE APPROVAL OF A  
HORIZONTAL WELL PROJECT  
VACUUM; MIDDLE PENN POOL - STATE RIDGE "B", WELL #1  
SECTION 30, T17S-R35E  
LEA COUNTY, NM

On March 5, 1996, Shell Western E&P Inc. (SWEPI) obtained approval to drill the subject well to the Atoka-Morrow formation. In the event that SWEPI's evaluations of the Atoka-Morrow formation are unfavorable, SWEPI plans to plugback the Atoka-Morrow formation and recomplete the well to the Vacuum; Middle Penn pool, utilizing a horizontal drainhole.

Therefore, SWEPI hereby respectfully requests administrative approval to drill a horizontal lateral penetrating the Vacuum; Middle Penn Pool, at an orthodox surface and bottomhole location for the captioned well. The horizontal drainhole will increase the productivity and profitability of this project. The nearest Vacuum; Middle Penn pool producer is the SWEPI-State "A", Well #10, located 940' from the North line and 940' from the East line, Section 31, T17S, R35E in Lea County, New Mexico

Please find the following attachments to support SWEPI's request:

1. Forms C-101 and C-102;
2. plat and list of offset operators;
3. vertical and horizontal schematic of the subject horizontal drainhole, and
4. a type log section.

A copy of this application, along with a waiver of objection form, has been forwarded by *certified mail, return receipt requested*, on this date to the "affected" offset operators.

Should you have any questions or need any additional information, please contact me at (713) 544-3226.

Yours very truly,

A handwritten signature in cursive script that reads "Yvonne T. Iverson".

Yvonne T. Iverson  
Western Asset - Asset Administration  
Continental Division

Attachments

cc: Mr. Jerry Sexton  
New Mexico Oil Conservation Division  
P. O. Box 1980  
Hobbs, New Mexico 88241-1980

**OFFSET OPERATORS**

Mr. Lee M. Scarborough  
ARCO Permian  
600 North Marienfeld  
Midland, TX 79701

Mr. Paul Hall  
Phillips Petroleum Company  
4001 Penbrook  
Odessa, TX 79762

Mr. Ron Lanning  
Texaco Exploration and Production Inc.  
P. O. Box 3109  
Midland, TX 79702



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

**OIL CONSERVATION DIVISION**  
**P.O. Box 2088**  
**Santa Fe, NM 87504-2088**

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**

|  |  |   |
|--|--|---|
| <sup>1</sup> Operator name and Address<br><b>Shell Western E&amp;P Inc.</b><br><b>P.O. Box 576</b><br><b>Houston, TX 77001</b> |  | <sup>2</sup> OGRID Number<br><b>020676</b>          |
| <sup>4</sup> Property Code<br><b>18645</b>   |  | <sup>3</sup> API Number<br><b>30-0 30-025-33307</b> |
| <sup>5</sup> Property Name<br><b>STATE RIDGE "B"</b>   |  | <sup>6</sup> Well Number<br><b>1</b>                |

| <sup>7</sup> Surface Location |         |          |       |          |               |                  |               |                |        |
|-------------------------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| UL or lot no.                 | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
| I                             | 30      | 17S      | 35E   |          | 2310'         | SOUTH            | 990'          | EAST           | LEA    |

| <sup>8</sup> 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 |
| I  | 30      | 17S      | 35E   |          | 1673.6'       | SOUTH            | 353.6'        | EAST           | LEA    |

|   |                               |
|---|-------------------------------|
| <sup>9</sup> Proposed Pool 1<br><b>VACUUM; MIDDLE PENN POOL</b> | <sup>10</sup> Proposed Pool 2 |
|---|-------------------------------|

|  |  |  |  |  |
|--|--|--|--|--|
| <sup>11</sup> Work Type Code<br><b>P</b> | <sup>12</sup> Well Type Code<br><b>O</b>       | <sup>13</sup> Cable/Rotary<br><b>R</b>         | <sup>14</sup> Lease Type Code<br><b>S</b>          | <sup>15</sup> Ground Level Elevation<br><b>3979'GR</b> |
| <sup>16</sup> Multiple<br><b>NO</b>      | <sup>17</sup> Proposed Depth<br><b>10,475'</b> | <sup>18</sup> Formations<br><b>MIDDLE PENN</b> | <sup>19</sup> Contractor<br><b>NORTON DRILLING</b> | <sup>20</sup> Spud Date<br><b>3/17/96</b>              |

| <sup>21</sup> Proposed Casing and Cement Program |             |                    |               |                 |                  |
|--|-------------|--------------------|---------------|-----------------|------------------|
| Hole Size  | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC    |
| 24"  | 20"         | CONDUCTOR          | 40'           | 60              | SURFACE          |
| 17-1/2"  | 13-3/8"     | 48#                | 1505'         | 1350            | SURFACE          |
| 12-1/4"  | 9-5/8"      | 36#                | 3800'         | 1490            | SURFACE          |
| 8-3/4"   | 7"          | 26# & 29#          | 11,800'       | 1950            | 2300' FROM SURF. |

<sup>22</sup> 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

IN THE EVENT THAT SWEPI'S EVALUATIONS OF THE ATOKA-MORROW FORMATION ARE UNFAVORABLE, SWEPI PLANS TO PLUGBACK THE ATOKA-MORROW FORMATION AND RECOMPLETE THE WELL TO THE VACUUM; MIDDLE PENN POOL, UTILIZING A HORIZONTAL DRAINHOLE.

BOP PROGRAM; 2000# RAM PREVENTER.

|   |  |  |                  |
|---|--|--|------------------|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <i>Yvonne T. Iverson</i> |  | <b>OIL CONSERVATION DIVISION</b>                             |                  |
| Printed name: <b>YVONNE T. IVERSON</b>  |  | Approved by:   |                  |
| Title: <b>LAND REPRESENTATIVE</b>   |  | Title:   |                  |
| Date: <b>3/27/96</b>  |  | Approval Date:   | Expiration Date: |
| Phone: <b>(713) 544-3226</b>  |  | Conditions of Approval:<br>Attached <input type="checkbox"/> |                  |

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

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<br>30-025-33307 | Pool Code<br>62300                          | Pool Name<br>VACUUM; MIDDLE PENN POOL |
| Property Code<br>18645     | Property Name<br>STATE RIDGE "B"            | Well Number<br>1                      |
| OGRID No.<br>020676        | Operator Name<br>SHELL WESTERN E. & P. INC. | Elevation<br>3979                     |

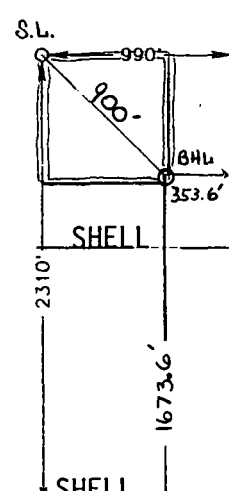
#### Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I             | 30      | 17 S     | 35 E  |         | 2310          | SOUTH            | 990           | EAST           | LEA    |

#### 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 |
|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| I                     | 30              | 17S                | 35E       |         | 1673.6        | SOUTH            | 353.6         | EAST           | LEA    |
| Dedicated Acres<br>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

|   |  |          |  |  |  |
|---|--|----------|--|--|--|
|   |  | ARCO     |  | SHELL  |  |
|   |  | ARCO     |  | TEXACO   |  |
| <b>LEGEND</b><br>PROJECT AREA OUTLINE<br>○ PRODUCING AREA OUTLINE<br>○ SURFACE LOCATION<br>○ BOTTOM HOLE LOCATION |  | PHILLIPS |  |  |  |
|   |  | PHILLIPS |  | SHELL  |  |

**OPERATOR CERTIFICATION**

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

*Yvonne T. Iverson*  
Signature  
YVONNE T. IVERSON  
Printed Name  
LAND REPRESENTATIVE  
Title  
3/27/96  
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.

FEBRUARY 07, 1996

Date Surveyed  
Signature of State of Professional Surveyor  
Professional Surveyor  
NEW MEXICO  
2-12-96  
F.W.O. Num. 96-10180  
Certificate No. JOHN W. WEST 676  
RONALD EIDSON 3239  
CARL EIDSON 12641



**OFFSET OPERATORS  
STATE RIDGE "B", WELL #1  
SECTION 30, T17S, R35E  
LEA COUNTY, NEW MEXICO**

Mr. Lee M. Scarborough  
ARCO Permian  
600 North Marienfeld  
Midland, TX 79701

Mr. Paul Hall  
Phillips Petroleum Company  
4001 Penbrook  
Odessa, TX 79762

Mr. Ron Lanning  
Texaco Exploration and Production Inc.  
P. O. Box 3109  
Midland, TX 79702



**Shell Western E&P Inc.**

An affiliate of Shell Oil Company

P. O. Box 576  
Houston, TX 77001

**CERTIFIED MAIL-RETURN RECEIPT REQUESTED**

March 27, 1996

TO THE OFFSET OPERATORS:

Please indicate your approval for our request as detailed in the attached package by signing the waiver form below. Please return the executed copy in the enclosed business reply envelope. Any objections to this request must be filed in writing within twenty days of the date of this notice.

Thank you for your attention to this matter.

**WAIVER OF OBJECTION**

**SHELL WESTERN E&P INC.**

**APPLICATION FOR ADMINISTRATIVE APPROVAL FOR A  
HORIZONTAL WELL PROJECT  
VACUUM; MIDDLE PENN POOL  
STATE RIDGE "B", WELL #1  
SECTION 30, T17S, R35E  
LEA COUNTY, NEW MEXICO**

I/We do hereby waive any objection to Shell Western E&P Inc.'s request for Administrative Approval to drill a horizontal lateral penetrating the Vacuum; Middle Penn Pool, at an orthodox surface and bottomhole location for the State Ridge "B", Well #1.

**WAIVER APPROVAL**

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

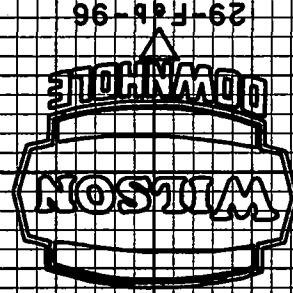
Date: \_\_\_\_\_

HORIZONTAL PROJECTION

SCALE 1" = 200'

SHELL WESTERN E & P, INC.  
STATE RIDGE B #1  
LEA COUNTY, NEW MEXICO

SUR. LOC.



BHL

PROPOSED B.H.L. - 10437.26' TWD / 11315.69' MD  
536.40' SOUTH - 536.40' EAST OF SURFACE  
900.00' S 45.00' E

VERTICAL PROJECTION

SCALE 1" = 100'

S 45.00' 00" E

10300

10400

10500

10437.26' (5026') 10466' 80' 00"

010387.00' - KOP

900.00'

M PENN SHALE - 10475' TWD

TOP OF M PENN CARB - 10375' TWD

800

200

600

500

400

300

200

100

0

900

800

800

600

400

200

0

800

600

400

200

0

SHELL WESTERN E & P, INC.

STATE RIDGE B #1

LEA COUNTY, NEW MEXICO

PROPOSAL FILE = SWSRB1

Position of well relative to reference point, Latitude = .00 feet Departure = .00 feet

| MD         | TVD      | Inclin.<br>Deg Mn Sc | Survey Dir.<br>Deg Mn Sc | N/S<br>from Surface pos | E/W<br>from Surface pos | Vert Sect<br>Dist | Closure<br>Dist | N/S<br>from Reference pos | E/W<br>from Reference pos | DLS    | T.F.<br>Dir. |
|------------|----------|----------------------|--------------------------|-------------------------|-------------------------|-------------------|-----------------|---------------------------|---------------------------|--------|--------------|
| * 10387.00 | 10387.00 | 0 0 0                | 135 0 0                  | .00                     | .00                     | .00               | .00             | .00                       | .00                       | 114.00 | 0 *          |
| 10400.00   | 10399.86 | 14 49 12             | 135 0 0                  | -1.18                   | 1.18                    | 1.67              | 1.67            | -1.18                     | 1.18                      | 114.00 | 0            |
| * 10465.95 | 10437.26 | 90 0 0               | 135 0 0                  | -35.54                  | 35.54                   | 50.26             | 50.26           | -35.54                    | 35.54                     | .00    | 0 *          |
| * 11315.69 | 10437.26 | 90 0 0               | 135 0 0                  | -636.40                 | 636.40                  | 900.00            | 900.00          | -636.40                   | 636.40                    | .00    | 0 *          |

**T 17 S**

**R  
34  
E**

**R  
35  
E**

ARCO

ARCO

TEXACO

SHELL

30

PHILLIPS

SHELL

SHELL

● "B STATE"  
RIDGE B  
#1

SHELL

"B STATE"

SHELL



*SHELL WESTERN E&P INC.  
LEA COUNTY, NEW MEXICO  
OFFSET OPERATOR  
PLAT*



CMD :  
OG6C101

ONGARD  
C101-APPLICATION FOR PERMIT TO DRILL

04/23/96 17:20:02  
OGOMES -EMEK

OGRID Idn : 20676 API Well No: 30 25 33307 APD Status(A/C/P): A  
Opr Name, Addr: SHELL WESTERN E & P INC Aprvl/Cncl Date : 03-05-1996  
PO BOX 4772  
HOUSTON, TX 77210-4772

Prop Idn: 18645 STATE RIDGE B

Well No: 1

|                  | U/L | Sec | Township     | Range | Lot | Idn | North/South  | East/West   |
|------------------|-----|-----|--------------|-------|-----|-----|--------------|-------------|
| Surface Locn : I | 30  | 17S | 35E          |       |     |     | FTG 2310 F S | FTG 990 F E |
| OCD U/L : I      |     |     | API County : | 25    |     |     |              |             |

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3979

State Lease No: B01414 Multiple Comp (Y/N) : S  
Prpsd Depth : 11800 Prpsd Frmtn : MORROW

E0009: Enter data to modify record

|           |      |            |           |              |              |
|-----------|------|------------|-----------|--------------|--------------|
| PF01 HELP | PF02 | PF03 EXIT  | PF04 GoTo | PF05         | PF06 CONFIRM |
| PF07      | PF08 | PF09 PRINT | PF10 C102 | PF11 HISTORY | PF12         |

*Proposed  
Document  
is  
DD-Shel  
see also  
DD-AMOC.3*

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/23/96 17:19:02  
OGOMES -EMEK  
PAGE NO: 2

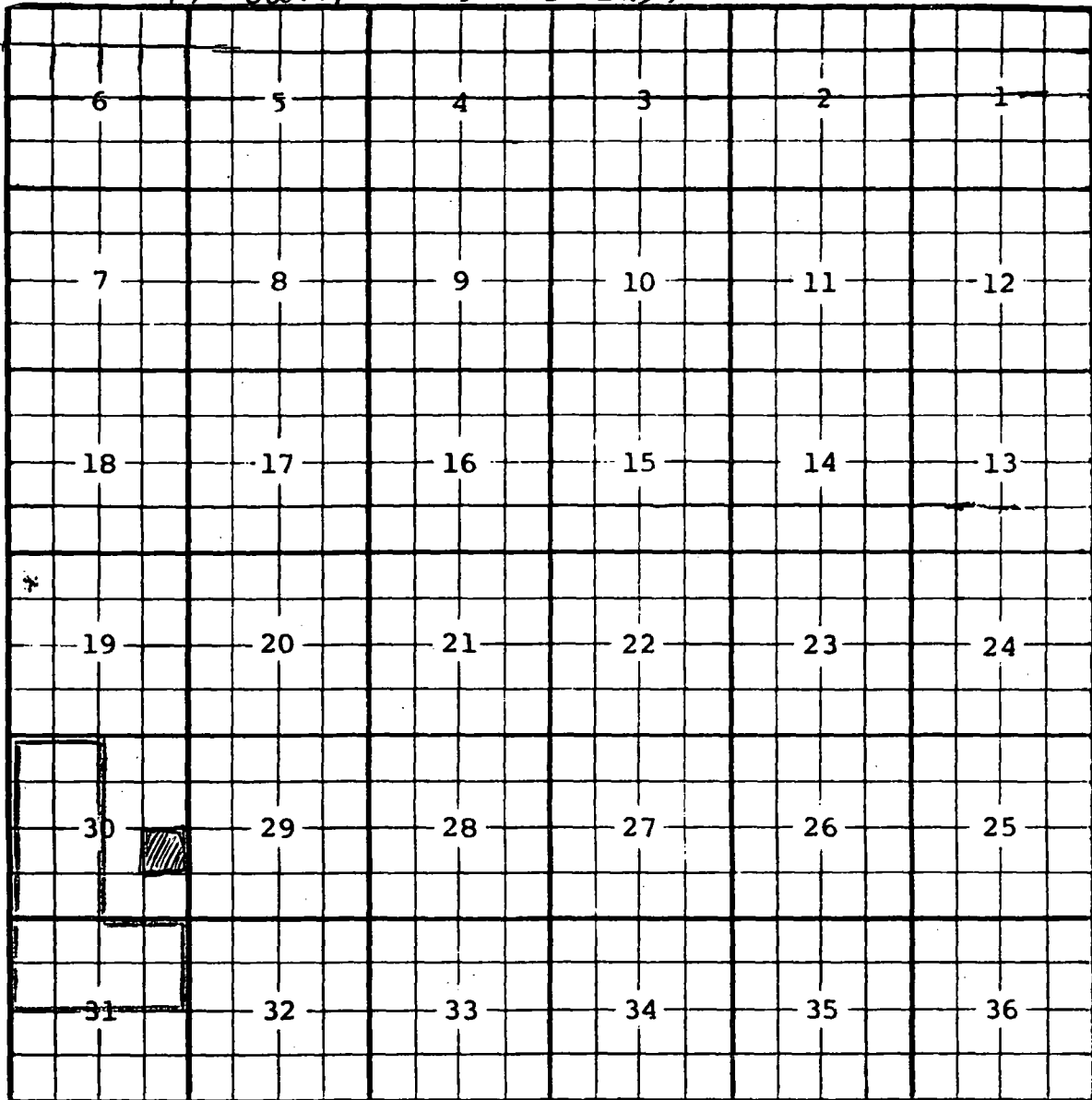
Sec : 30 Twp : 17S Rng : 35E Section Type : NORMAL

|                   |                 |                   |                   |
|-------------------|-----------------|-------------------|-------------------|
| 3                 | K               | J                 | I                 |
| 37.63             | 40.00           | 40.00             | 40.00             |
| CS                | CS              | CS                | CS                |
| B01722 2 01/39    | B02245 01/39    | B01501 01/39      | B01414 2 01/39    |
| TEXACO EXPLORATIO | MARATHON OIL CO | PHILLIPS PETROLEU | SHELL WESTERN E & |
| U U               | U U             | U U               | U U               |
| A A A             | P A A           | A P A             | A P A             |
| 4                 | N               | O                 | P                 |
| 37.59             | 40.00           | 40.00             | 40.00             |
| CS                | CS              | CS                | CS                |
| B01722 2 01/39    | B02245 01/39    | B01501 01/39      | B01414 2 01/39    |
| TEXACO EXPLORATIO | MARATHON OIL CO | PHILLIPS PETROLEU | SHELL WESTERN E & |
| U U               | U U             | U U               | U U               |
| A A               | A P A           | A P A             | A P A A           |

|           |          |            |           |      |      |
|-----------|----------|------------|-----------|------|------|
| PF01 HELP | PF02     | PF03 EXIT  | PF04 GoTo | PF05 | PF06 |
| PF07 BKWD | PF08 FWD | PF09 PRINT | PF10 SDIV | PF11 | PF12 |

County Lea Pool Vacuum-Middle Pennsylvanian

TOWNSHIP 17 South Range 35 East NMPM



Ext:  $\frac{W}{2}$  Sec. 30,  $\frac{N}{2}$  Sec. 31 (R-18419, 7-17-95)

# PETROLEUM INFORMATION MIDLAND REGION REPORT

## SECTION III - 04/15/96

PAGE

### NEW MEXICO DRILLING PROGRESS LEA COUNTY CONTINUED

|  |  |  |     |
|--|--|--|-----|
| TEXACO EXPL & PROD<br>179 CENTRAL VACUUM UNIT<br>API 30-025-33333<br>CONTR: NABORS DRLG USA, RIG #467; SPUD: 04/04/96 (EST); ... DRLG AHEAD (LDIR 04/09/96)    | 36-17S-34E<br>1997 FSL 1263 FWL SEC<br>IC 300257016796         | VACUUM; 4850 SAN ANDRES, (FR 03/15/96MD) (ST APPD PMT: 03/14/96)<br>OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL:<br>3999 GR; LOCATION DATA: 1 MI S BUCKEYE, NM; (VERTICAL)   | D   |
| TEXACO EXPL & PROD<br>188 CENTRAL VACUUM UNIT<br>API 30-025-33330<br>LOC;  | 36-17S-34E<br>650 FSL 318 FEL SEC<br>IC 300257016896           | VACUUM; 4850 SAN ANDRES, (FR 03/15/96MD) (ST APPD PMT: 03/14/96)<br>OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL:<br>3986 GR; LOCATION DATA: 1 MI S BUCKEYE, NM; PBHL: 663 FSL 10 FEL<br>SEC, 36-17S-34E; (DEVIATED)  | D   |
| TEXACO EXPL & PROD<br>189 CENTRAL VACUUM UNIT<br>API 30-025-33334<br>LOC;  | 36-17S-34E<br>751 FSL 1246 FEL SEC<br>IC 300257016996          | VACUUM; 4850 SAN ANDRES, (FR 03/15/96MD) (ST APPD PMT: 03/14/96)<br>OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL:<br>3988 GR; LOCATION DATA: 1 MI S BUCKEYE, NM; (VERTICAL)   | D   |
| NATURAL GAS SERVICES<br>1 SHOE BAR STATE COM<br>API 30-025-29992-0001<br>LOC;  | 15-17S-35E<br>SE SW<br>660 FSL 2030 FWL SEC<br>IC 300257010695 | WILDCAT; 11900 WOLFCAMP, (FR 02/20/95MD) (ST APPD PMT: 02/17/95)<br>OPER ADD: 3000 N GARFIELD, STE 165, MIDLAND, TX, 79705 PHONE (915)<br>682-1008; EL: 3945 GR; LOCATION DATA: 18 MI E MALJAMAR, NM .50 MI<br>NE/12002 (ATOK) GAS PROD IN SHOE BAR SOUTH FLD;<br>(VERTICAL) OWWO: OLD INFO: FORMERLY SUN EXPL & PROD 1 SHOE BAR<br>STATE COM: ELEV 3945 GR, 3960 KB. SPUD 9/26/87. 13 3/8 @ 500 W/525 SX,<br>9 5/8 @ 5322 W/ 2530 SX, 5 1/2 @ 12248 W/2050 SX. LOG TOPS: WOLFCAMP<br>9750, STRAWN 11540, ATOKA 11650. OTD 12248. PB 12173. COMP 12/8/87.<br>IPCAOF 9984 MCFGPD. PROD ZONE: ATOKA 12035-12070; | WSX |
| PHILLIPS PET<br>392 EAST VACUUM<br>(GRAYBURG-SAN ANDRES)<br>UNIT<br>API 30-025-33327<br>LOC;   | 27-17S-35E<br>1409 FNL 2551 FWL SEC<br>IC 300257015396         | VACUUM; 4900 GRAYBURG-SAN ANDRES, (FR 03/14/96MD) (ST APPD PMT:<br>03/13/96) OPER ADD: 4001 PEMBROOK, ODESSA, TX, 79762 PHONE (915)<br>368-1266; EL: 3929 GR; LOCATION DATA: 4 MI E BUCKEYE, NM;<br>(VERTICAL)   | D   |
| SHELL WESTERN E&P INC<br>5 STATE 'B'<br>API 30-025-33051<br>LOC;   | 30-17S-35E<br>465 FSL 621 FEL SEC<br>IC 300257037495           | WILDCAT; 13000 DEVONIAN, (FR 08/08/95MD) OPER ADD: BOX 576,<br>HOUSTON, TX, 77001 PHONE (713) 870-2121; EL: 3975 GR; LOCATION<br>DATA: .50 E BUCKEYE, NM APPROX 300 FT S/4300 (GRBG-SADR) OIL<br>PROD IN UNNAMED FIELD; (VERTICAL)   | WD  |
| SHELL WESTERN E&P INC<br>1 STATE RIDGE 'B'<br>API 30-025-33307<br>CONTR: NORTON DRLG, RIG #8; SPUD: 03/24/96, ... DRLG 6975 (LDIR 04/12/96)                    | 30-17S-35E<br>2310 FSL 990 FEL SEC<br>IC 300257013796          | WILDCAT; 11800 MORROW, (FR 03/05/96MD) (ST APPD PMT: 04/08/96)<br>OPER ADD: BOX 576, HOUSTON, TX, 77001-0576 PHONE (713) 870-2121; EL:<br>3979 GR; LOCATION DATA: .5 MI NE BUCKEYE, NM APPROX 400 FT<br>N/6076 (PDCK) OIL PROD IN VACUUM FIELD; (VERTICAL)   | WD  |
| TEXACO EXPL & PROD<br>187 CENTRAL VACUUM UNIT<br>API 30-025-33329<br>LOC;  | 31-17S-35E<br>974 FSL 1199 FWL SEC<br>IC 300257017096          | VACUUM; 4850 SAN ANDRES, (FR 03/15/96MD) (ST APPD PMT: 03/14/96)<br>OPER ADD: BOX 3109, MIDLAND, TX, 79702 PHONE (915) 688-4100; EL:<br>3945 GR; LOCATION DATA: 1 MI S BUCKEYE, NM; PBHL: 660 FSL 1292<br>FWL SEC, 31-17S-35E; (DEVIATED)  | D   |
| PHILLIPS PET<br>391 EAST VACUUM<br>(GRAYBURG-SAN ANDRES)<br>UNIT<br>API 30-025-33326<br>LOC;   | 34-17S-35E<br>1155 FNL 1523 FEL SEC<br>IC 300257015496         | VACUUM; 4900 GRAYBURG-SAN ANDRES, (FR 03/14/96MD) OPER ADD:<br>4001 PEMBROOK, ODESSA, TX, 79762 PHONE (915) 368-1266; EL: 3926 GR;<br>LOCATION DATA: 4 MI E BUCKEYE, NM; (VERTICAL)  | D   |
| CHEVRON USA<br>2 LEA 'YL' STATE<br>API 30-025-31005-0101<br>CONTR: HONDO DRLG, RIG #1; SPUD: 10/29/95, RIG REL: 12/08/95; ... 11935 TD, SI (LDIR 03/29/96)     | 2-17S-37E<br>2230 FSL 2310 FEL SEC<br>IC 300257055495          | SHIPP; 11825 STRAWN, (FR 10/31/95MD) OPER ADD: BOX 1150, MIDLAND,<br>TX, 79702 PHONE (915) 687-7100; EL: 3758 GR; LOCATION DATA: 6 MI NW<br>KNOWLES, NM; PBHL: 2600 FNL 1700 FEL SEC, 2-17S-37E; (DEVIATED)<br>OWST: OLD INFO: FORMERLY CHEVRON USA 2 LEA 'YL' STATE. ELEV 3777<br>KB. SPUD 10/16/90. 11 3/4 @ 460 W/320 SX, 8 5/8 @ 4473 W/1150 SX, 5 1/2 @<br>11827 W/250 SX. LOG TOPS: CANYON 11170, STRAWN 11514, ATOKA 11760.<br>OTD 11827. COMP 12/14/90. IPF 105 BO, 150 MCFGPD. PROD ZONE: STRAWN<br>11693 11712;  | D R |
| CHESAPEAKE OPERATING<br>2 SHAW '15'<br>API 30-025-33178<br>CONTR: ANADARKO DRLG, RIG #9; SPUD: 11/30/95, RIG REL: 01/10/96; ... 11600 TD, TITE (LDIR 03/28/96) | 15-17S-37E<br>2 FNL 2310 FEL SEC<br>IC 300257057895            | HUMBLE CITY; 11600 STRAWN, (FR 11/15/95MD) OPER ADD: BOX 54525,<br>OKLAHOMA CITY, OK, 73154-1525 PHONE (405) 840-3000 EL: 3753 GR;<br>LOCATION DATA: 7 MI W KNOWLES, NM; (VERTICAL)  | D   |