

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N French Dr., Hobbs, NM 87240  
District II  
1301 W Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
May 27, 2004

|                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)                                                                                                                           |  | WELL API NO.<br><b>30-025-37943</b>                                                                 |
| 1. Type of Well:<br>Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other                                                                                                                                                                                                                                |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br><b>BP AMERICA PRODUCTION COMPANY</b>                                                                                                                                                                                                                                                                             |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br><b>501 WESTLAKE PARK BLVD, ROOM 6.120, WL-1, HOUSTON, TX 77079</b>                                                                                                                                                                                                                                            |  | 7. Lease Name or Unit Agreement Name:<br><b>JAVELINA</b>                                            |
| 4. Well Location<br>Unit Letter <b>M</b> ; <b>430</b> feet from the <b>SOUTH</b> line and <b>950</b> feet from the <b>WEST</b> line<br>Section <b>10</b> Township <b>22S</b> Range <b>36E</b> NMPM County <b>LEA</b>                                                                                                                    |  | 8. Well Number<br><b>1</b>                                                                          |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br><b>3551' GR</b>                                                                                                                                                                                                                                                                   |  | 9. OGRID Number                                                                                     |
| Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/><br>Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____<br>Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____ |  | 10. Pool name or Wildcat<br><b>WILDCAT MORROW</b>                                                   |

|                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                          |
| <b>NOTICE OF INTENTION TO:</b><br>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/><br>OTHER: <input type="checkbox"/> | <b>SUBSEQUENT REPORT OF:</b><br>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/><br>CASING TEST AND CEMENT JOB <input type="checkbox"/><br>OTHER: <b>COMPLETION</b> <input checked="" type="checkbox"/> |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SEE ATTACHED



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE DeAnn Smyers TITLE Regulatory Staff Assistant DATE 10/16/2007

E-mail address:

Type or print name DeAnn Smyers

Telephone No. 281-366-4395

For State Use Only

APPROVED BY Gayle W. Wink OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE DEC 31 2007

Conditions of Approval, if any:

## ATTACHMENT

October 17, 2007

Javelina #1

API # 30-025-37943

Pertinent Data Attachment for C-103, including completion information for the Javelina #1 well located Sec. 10, 22S, 36E of Lea County, New Mexico.

GL Elev: 3551'

KB Elev: 3570

TD: 11,249

TVD:

PBD:

Surf. Loc: 430' FSL x 950' FWL

Location: Sec. 10 - T22S - R36E

| <u>Casing</u> | <u>Weight</u> | <u>Grade</u> | <u>Depth</u> | <u>Cement Sx</u> | <u>Hole</u> | <u>TOC</u> |
|---------------|---------------|--------------|--------------|------------------|-------------|------------|
| 20"           |               |              | 40           |                  | 24"         | Surface    |
| 13-3/8"       | 48#           | H-40         | 405'         | 250/250          | 17-1/2"     | Surface    |
| 9-5/8"        | Mix           | Mix          | 4005'        | 810/200          | 12-1/4"     | Surface    |
| 7"            | Mix           | Mix          | 8810'        | 340/440          | 8-3/4"      | 4906'      |
| 4.5"          | 11.6          | P-110        | 11219'       | 250              | 6-1/8"      | 10490'     |

| <u>Date:</u> | <u>Event</u>                                                                                                                                                                                                                  |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6/30/2006    | Oxy spud                                                                                                                                                                                                                      |
| 9/21/2006    | Rig release                                                                                                                                                                                                                   |
| 10/25/2006   | MIRU service unit                                                                                                                                                                                                             |
| 10/27/2006   | OXY Perforated with 3 3/8" gun, 11 gm., 0.27" holes, 18 total holes<br>10514, 10517, 10542, 10561, 10563, 10573, 10574, 10576, 10579,<br>10586, 10589, 10693, 10696, 10765, 10766, 10777, 10793, 10795                        |
| 11/1/2006    | Oxy Acidized perforations with 2000 gal 7.5% HCl and CO2 (50Q)<br>Displace with KCl water.                                                                                                                                    |
| 11/14/2006   | RDMO service unit.                                                                                                                                                                                                            |
| 2/9/2007     | Additional Perfs (BP) 10539-10543 (17 Holes), 10546-10550 (16<br>Holes), 10560-10564 (18 Holes), 10573-10579 (20 Holes), 10585-<br>10589 (18 Holes), 10693-10696 (2 Holes), 10764-10777 (19 Holes),<br>10793-10804 (42 Holes) |

Attachment continued

2/13/2007 BP Acidize – Spot 800 gals clay-safe 5 acid to bottom of tbg.  
Acidize Morrow through straddle packer assembly. Set packer  
At 10450.

2/15/2007 RU and swab Morrow 10514-10804 to test tank.

2/16/2007, 2/19/2007, 2/20/2007, 2/21/2007, 2/22/2007, 2/23/2007, 2/26/2007, 2/27/2007  
2/28/2007, 3/1/2007, 3/2/2007, 3/5/2007, 3/9/2007, 3/13/2007, 3/14/2007, 3/15/2007 -  
Swab Morrow 10514-10804

3/7/2007 Acidize Morrow 10514-10804 w/straddle pkrs and 2000 gals 7-1/2  
Hcl in stages.

3/16/2007 Well ~~T&A-P~~ Shut-I

3/19/2007 Move equip off loc; clean loc; move off unit

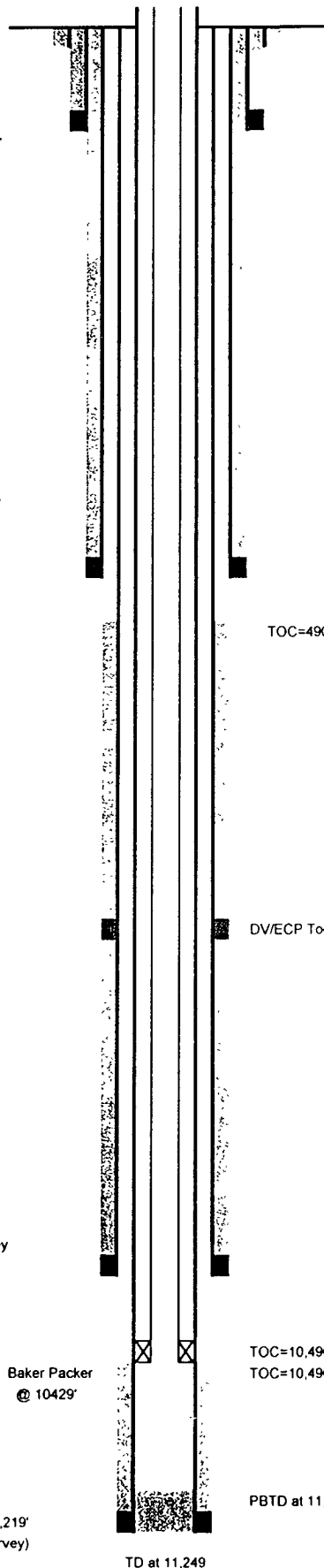
Updated 11/17/2006  
not to scale

Surface Casing  
13-3/8" 48# H-40 at 405'  
circ 25 bbl to surface

Intermediate Casing  
9-5/8" 36# K-55 at 4005'  
circ 68 sk to surface

Intermediate Casing  
7" at 8810'  
23# J-55 (lightest csg)  
TOC = 4906' temp survey

Production Casing  
4-1/2" 11 6# P-110 at 11,219'  
TOC - 10,490' (temp survey)



TOC=4906' temp survey

DV/ECP Tool at 6,520'

TOC=10,490' temp survey  
TOC=10,490' bond log

PBTD at 11,158'

TD at 11,249

## Javelina #1

GL Elev: 3,551  
KB Elev: 3,570  
Meas. TD: 11,249  
TVD:  
PBD:  
Surf. Loc: 430' FSL  
950' FWL  
Location: S10-T22S-R36E  
County: Lea  
State: New Mexico

Operator: BP America Production Company  
API: 30 025 37943 0000  
Latitude: 32 400133000  
Longitude: -103 258194000  
Field: Wildcat Morrow  
Status: Awaiting test  
Scope: evaluate and stimulate if required  
Morrow Sand

| Casing  | Weight | Grade | Depth  | Cmt Sk  | Hole    | TOC                  |
|---------|--------|-------|--------|---------|---------|----------------------|
| 20"     |        |       | 40'    |         | 24"     | Surface              |
| 13-3/8" | 48     | H-40  | 405'   | 250/250 | 17-1/2" | Surface              |
| 9-5/8"  | mix    | mix   | 4,005' | 810/200 | 12-1/4" | Surface              |
| 7"      | mix    | mix   | 8,810  | 340/440 | 8-3/4"  | 4906' (temp survey)  |
| 4 5"    | 11 6   | P-110 | 11,219 | 250     | 6-1/8"  | 10490' (temp survey) |

### Date Event

6/30/2006 Oxy spud below 20' conductor  
9/21/2006 Rig release  
10/25/2006 MIRU service unit  
10/27/2006 Perforate with 3 3/8" gun, 11 gm, 0 27" holes, 18 total holes  
10514, 10517, 10542, 10561, 10563, 10573, 10574, 10576, 10579  
10586, 10589, 10693, 10696, 10765, 10766, 10777, 10793, 10795  
11/1/2006 Acidize perforations with 2000 gal 7.5% HCl and CO2 (50Q) displace with KCl water  
11/14/2006 RDMO service unit

*Perfs (BP) :*

2/9/2007

10539 - 10543 (16 holes)  
10546 - 10550 (16 holes)  
10560 - 10564 (16 holes)  
10575 - 10579 (16 holes)  
10585 - 10589 (16 holes)  
10764 - 10768 (16 holes)  
10794 - 10804 (40 holes)

OPERATOR  
WELL/LEASE  
COUNTY

Occidental Permian, LTD  
Javelina #1 - m - 10.225.36e  
Lea Co., N.M. 430/5 + 950/W

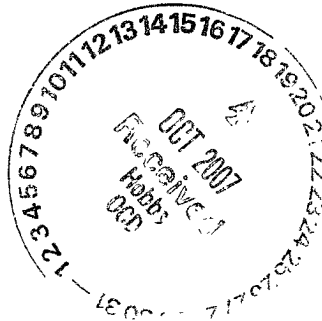
503-0271

STATE OF NEW MEXICO  
DEVIATION REPORT

30-025-37943

|       |      |
|-------|------|
| 248   | 0.25 |
| 662   | 0.75 |
| 1,147 | 0.75 |
| 1,622 | 1.00 |
| 2,091 | 0.50 |
| 2,664 | 1.50 |
| 2,915 | 2.25 |
| 3,011 | 2.00 |
| 3,200 | 2.25 |
| 3,359 | 2.25 |
| 3,550 | 1.75 |
| 4,000 | 1.75 |

|        |      |
|--------|------|
| 8,250  | 0.75 |
| 8,756  | 1.00 |
| 9,351  | 4.25 |
| 9,433  | 5.00 |
| 10,127 | 1.75 |
| 10,193 | 1.25 |
| 10,287 | 0.75 |
| 10,482 | 2.00 |
| 10,578 | 2.75 |
| 10,645 | 3.25 |



STATE OF TEXAS

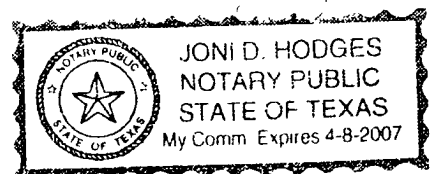
COUNTY OF MIDLAND

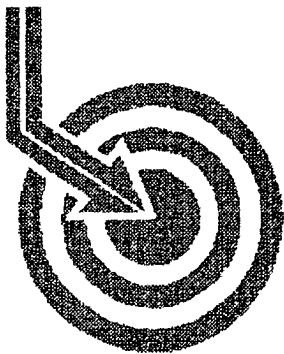
BY: [Signature]

The foregoing instrument was acknowledged before me on  
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

September 23, 2006, by Steve

[Signature]  
Notary Public for Midland County, Texas  
My Commission Expires: 4/08/07





# Scientific Drilling



## OCCIDENTAL PERMIAN LTD.

Field: Wildcat  
Site: Lea County, NM  
Well: Javelina Fee #31  
Wellpath: VH - Job #32K0706556  
Survey: 07/12/06

m - 10-225-36e  
430/54950/w  
30-025-37943

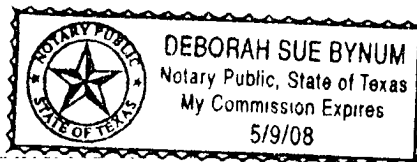
This survey is correct to the best of my knowledge  
and is supported by actual field data.

.....*R. L. Harton*..... Company Representative

Notorized this date 9<sup>th</sup> of August, 2006.

*Deborah Sue Bynum*

Notary Signature  
County of Midland  
State of Texas





# Scientific Drilling International Survey Report

**Company:** OCCIDENTAL PERMIAN LTD.  
**Field:** Wildcat  
**Site:** Lea County, NM  
**Well:** Javelina Fee #31  
**Wellpath:** VH - Job #32K0706556  
**Date:** 08/09/2006  
**Co-ordinate(NK) Reference:** Site: Lea County, NM, Grid North  
**Vertical (TVD) Reference:** SITE 0.0  
**Section (VS) Reference:** Well (0.00N,0.00E,338.79Azi)  
**Survey Calculation Method:** Minimum Curvature  
**Db:** Sybase  
**Time:** 17:08:35  
**Page:** 1

**Survey:** 07/12/06  
**Start Date:** 07/12/2006  
**Company:** Scientific Drilling Internatio  
**Engineer:** Guebara/Rowe  
**Tool:** Keeper/Keeper Surface Readout  
**Tied-to:** From Surface

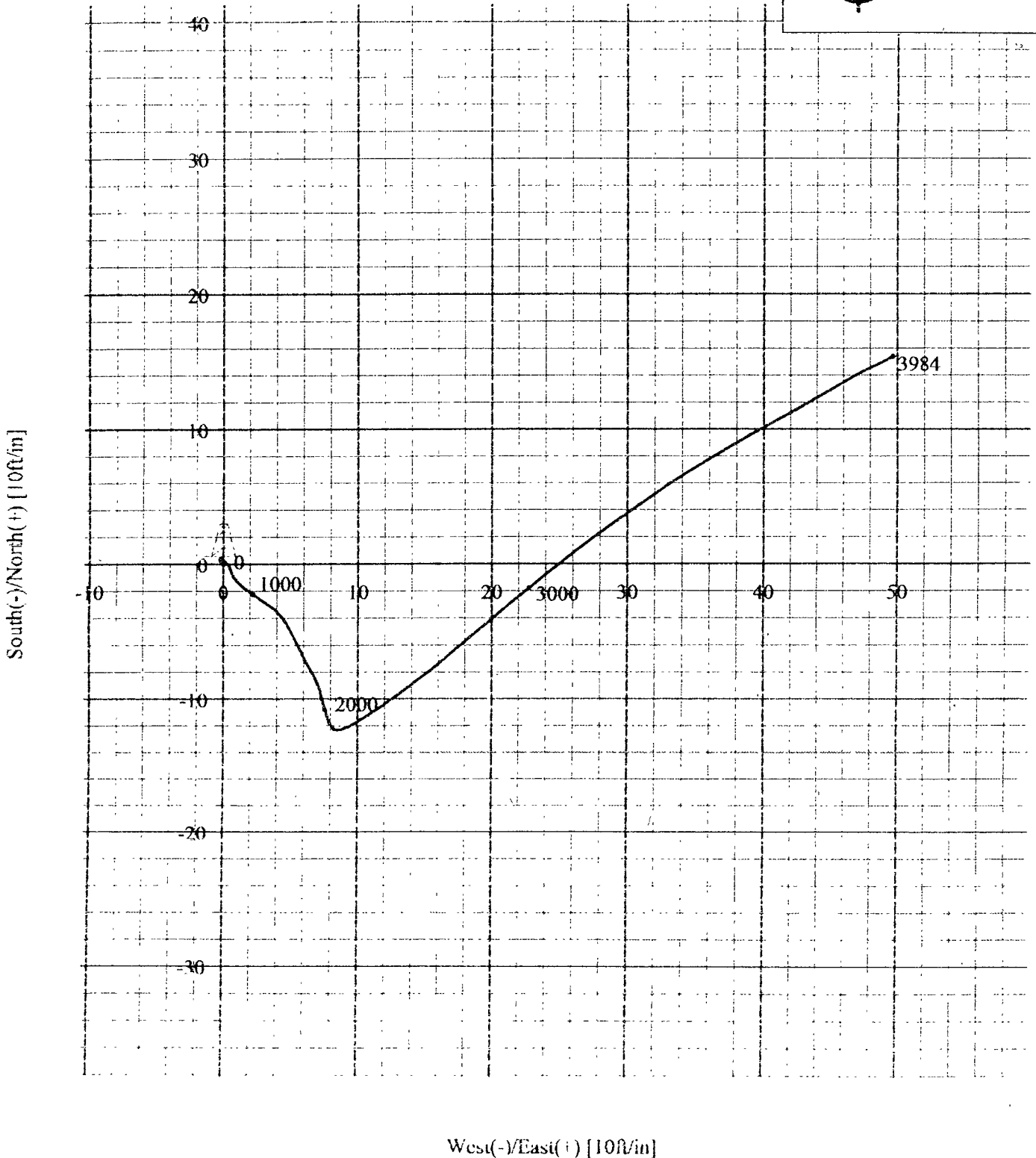
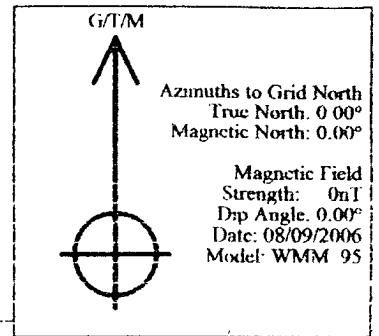
## Survey

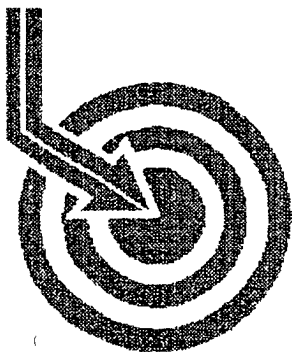
| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ChD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|-----------|-------------|
| 0.00     | 0.00        | 359.44      | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00      | 0.00        |
| 100.00   | 0.15        | 303.05      | 100.00    | 0.11     | 0.07      | -0.11     | 0.15             | 0.13      | 303.05      |
| 200.00   | 0.22        | 335.23      | 200.00    | 0.40     | 0.32      | -0.30     | 0.12             | 0.44      | 316.60      |
| 300.00   | 0.12        | 93.02       | 300.00    | 0.55     | 0.49      | -0.28     | 0.30             | 0.56      | 330.43      |
| 400.00   | 0.21        | 137.96      | 400.00    | 0.34     | 0.34      | -0.05     | 0.15             | 0.35      | 351.99      |
| 500.00   | 0.26        | 129.81      | 500.00    | -0.03    | 0.06      | 0.25      | 0.06             | 0.26      | 75.80       |
| 600.00   | 0.34        | 164.23      | 600.00    | -0.53    | -0.37     | 0.50      | 0.19             | 0.62      | 126.15      |
| 700.00   | 0.35        | 149.21      | 699.99    | -1.12    | -0.92     | 0.74      | 0.09             | 1.18      | 141.04      |
| 800.00   | 0.35        | 132.57      | 799.99    | -1.70    | -1.38     | 1.12      | 0.10             | 1.78      | 140.99      |
| 900.00   | 0.38        | 128.95      | 899.99    | -2.26    | -1.80     | 1.60      | 0.04             | 2.41      | 138.28      |
| 1000.00  | 0.44        | 124.05      | 999.99    | -2.86    | -2.22     | 2.18      | 0.07             | 3.11      | 135.56      |
| 1100.00  | 0.47        | 125.34      | 1099.99   | -3.52    | -2.68     | 2.83      | 0.03             | 3.90      | 133.36      |
| 1200.00  | 0.51        | 122.30      | 1199.98   | -4.22    | -3.15     | 3.54      | 0.05             | 4.74      | 131.64      |
| 1300.00  | 0.67        | 141.48      | 1299.98   | -5.14    | -3.85     | 4.28      | 0.25             | 5.76      | 131.91      |
| 1400.00  | 0.87        | 151.97      | 1399.97   | -6.45    | -4.97     | 5.01      | 0.24             | 7.06      | 134.82      |
| 1500.00  | 0.86        | 154.80      | 1499.96   | -7.95    | -6.32     | 5.68      | 0.04             | 8.50      | 138.06      |
| 1600.00  | 0.73        | 149.92      | 1599.95   | -9.33    | -7.55     | 6.32      | 0.15             | 9.85      | 140.08      |
| 1700.00  | 0.46        | 151.67      | 1699.94   | -10.36   | -8.46     | 6.83      | 0.27             | 10.87     | 141.08      |
| 1800.00  | 0.53        | 164.65      | 1799.94   | -11.21   | -9.26     | 7.14      | 0.13             | 11.69     | 142.34      |
| 1900.00  | 0.45        | 166.90      | 1899.93   | -12.06   | -10.09    | 7.35      | 0.08             | 12.48     | 143.90      |
| 2000.00  | 0.35        | 160.62      | 1999.93   | -12.76   | -10.76    | 7.54      | 0.11             | 13.14     | 144.95      |
| 2100.00  | 0.32        | 164.52      | 2099.93   | -13.34   | -11.31    | 7.72      | 0.04             | 13.70     | 145.69      |
| 2200.00  | 0.28        | 152.86      | 2199.93   | -13.86   | -11.80    | 7.91      | 0.07             | 14.20     | 146.17      |
| 2300.00  | 0.30        | 139.73      | 2299.93   | -14.35   | -12.22    | 8.19      | 0.07             | 14.71     | 146.17      |
| 2400.00  | 0.68        | 68.59       | 2399.92   | -14.60   | -12.20    | 8.91      | 0.65             | 15.11     | 143.86      |
| 2500.00  | 1.18        | 57.82       | 2499.91   | -14.40   | -11.44    | 10.33     | 0.53             | 15.41     | 137.90      |
| 2600.00  | 1.50        | 53.94       | 2599.88   | -13.87   | -10.12    | 12.26     | 0.33             | 15.90     | 129.52      |
| 2700.00  | 1.68        | 53.80       | 2699.84   | -13.15   | -8.48     | 14.50     | 0.18             | 16.80     | 120.31      |
| 2800.00  | 1.87        | 49.80       | 2799.80   | -12.24   | -6.56     | 16.93     | 0.23             | 18.16     | 111.18      |
| 2900.00  | 2.22        | 50.81       | 2899.73   | -11.11   | -4.28     | 19.68     | 0.35             | 20.14     | 102.28      |
| 3000.00  | 2.32        | 50.47       | 2999.65   | -9.88    | -1.77     | 22.74     | 0.10             | 22.81     | 94.46       |
| 3100.00  | 2.23        | 52.03       | 3099.57   | -8.68    | 0.71      | 25.84     | 0.11             | 25.85     | 88.42       |
| 3200.00  | 2.28        | 54.54       | 3199.50   | -7.63    | 3.06      | 28.99     | 0.11             | 29.15     | 83.97       |
| 3300.00  | 1.98        | 54.52       | 3299.43   | -6.72    | 5.22      | 32.02     | 0.30             | 32.44     | 80.74       |
| 3400.00  | 1.80        | 57.05       | 3399.37   | -5.97    | 7.08      | 34.74     | 0.20             | 35.46     | 78.49       |
| 3500.00  | 1.84        | 59.73       | 3499.32   | -5.40    | 8.74      | 37.45     | 0.09             | 38.45     | 76.86       |
| 3600.00  | 1.71        | 61.04       | 3599.28   | -4.94    | 10.27     | 40.14     | 0.14             | 41.43     | 75.64       |
| 3700.00  | 1.58        | 61.81       | 3699.23   | -4.58    | 11.65     | 42.66     | 0.13             | 44.22     | 74.73       |
| 3800.00  | 1.69        | 59.52       | 3799.19   | -4.17    | 13.05     | 45.15     | 0.13             | 46.99     | 73.88       |
| 3900.00  | 1.47        | 64.18       | 3899.16   | -3.83    | 14.35     | 47.57     | 0.25             | 49.69     | 73.21       |
| 3985.00  | 1.62        | 62.16       | 3984.12   | -3.60    | 15.39     | 49.62     | 0.19             | 51.95     | 72.77       |



Scientific  
Drilling

Field: Wildcat  
Site: Lea County, NM  
Well: Javelina Fee #31  
Wellpath: VH - Job #32K0706556  
Survey: 07/12/06





# Scientific Drilling

## OCCIDENTAL PERMIAN LTD.

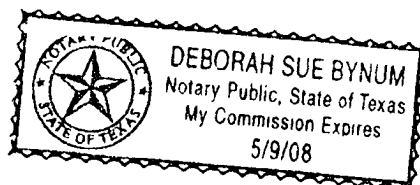
Field: Wildcat  
Site: Lea County, NM  
Well: Javelina #1  
Wellpath: DH - Job #32D0906715  
Survey: 09/03/06-09/11/06

This survey is correct to the best of my knowledge  
and is supported by actual field data.

Deborah Sue Bynum Company Representative

Notorized this date 14<sup>th</sup> of November, 2006.

Deborah Sue Bynum  
Notary Signature  
County of Midland  
State of Texas





# Scientific Drilling International

## Survey Report

**Company:** OCCIDENTAL PERMIAN LTD. **Date:** 10/29/2006 **Time:** 14:58:34 **Page:** 1  
**Field:** Wildcat **Co-ordinate(NE) Reference:** Site: Lea County, NM, Grid North  
**Site:** Lea County, NM **Vertical (TVD) Reference:** SITE 0.0  
**Well:** Javelina #1 **Section (VS) Reference:** Well (0.00N,0.00E,346.33Azi)  
**Wellpath:** VH - Job #32K0806686 **Survey Calculation Method:** Minimum Curvature **Db:** Sybase

**Survey:** 08/24/06  
 KSRG 0'-9420'  
**Company:** Scientific Drilling Internatio  
**Tool:** Keeper, Keeper Surface Readout

**Start Date:** 08/24/2006  
**Engineer:** Gonzales/Rando  
**Tied-to:** From Surface

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 0.00        | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 0.15        | 272.56      | 100.00    | 0.04     | 0.01      | -0.13     | 0.15             | 0.13       | 272.56      |
| 200.00   | 0.07        | 332.18      | 200.00    | 0.13     | 0.07      | -0.29     | 0.13             | 0.30       | 282.77      |
| 300.00   | 0.18        | 61.09       | 300.00    | 0.23     | 0.20      | -0.18     | 0.19             | 0.27       | 317.22      |
| 400.00   | 0.13        | 106.79      | 400.00    | 0.22     | 0.24      | 0.07      | 0.13             | 0.25       | 15.24       |
| 500.00   | 0.18        | 112.16      | 500.00    | 0.07     | 0.15      | 0.32      | 0.05             | 0.35       | 65.29       |
| 600.00   | 0.34        | 114.03      | 600.00    | -0.21    | -0.03     | 0.74      | 0.16             | 0.74       | 92.59       |
| 700.00   | 0.32        | 111.12      | 700.00    | -0.55    | -0.25     | 1.27      | 0.03             | 1.29       | 101.36      |
| 800.00   | 0.25        | 136.45      | 799.99    | -0.90    | -0.51     | 1.68      | 0.14             | 1.75       | 107.01      |
| 900.00   | 0.40        | 143.54      | 899.99    | -1.41    | -0.95     | 2.04      | 0.16             | 2.25       | 115.07      |
| 1000.00  | 0.43        | 121.94      | 999.99    | -2.00    | -1.43     | 2.56      | 0.16             | 2.93       | 119.20      |
| 1100.00  | 0.35        | 124.60      | 1099.99   | -2.49    | -1.80     | 3.13      | 0.08             | 3.61       | 119.94      |
| 1200.00  | 0.61        | 130.11      | 1199.98   | -3.15    | -2.32     | 3.79      | 0.26             | 4.44       | 121.47      |
| 1300.00  | 0.73        | 146.80      | 1299.98   | -4.18    | -3.20     | 4.55      | 0.23             | 5.56       | 125.11      |
| 1400.00  | 0.91        | 146.32      | 1399.97   | -5.53    | -4.39     | 5.34      | 0.18             | 6.91       | 129.45      |
| 1500.00  | 0.95        | 155.54      | 1499.95   | -7.09    | -5.81     | 6.12      | 0.15             | 8.43       | 133.49      |
| 1600.00  | 0.95        | 158.46      | 1599.94   | -8.72    | -7.33     | 6.77      | 0.05             | 9.98       | 137.29      |
| 1700.00  | 0.54        | 173.00      | 1699.93   | -10.01   | -8.57     | 7.13      | 0.45             | 11.15      | 140.25      |
| 1800.00  | 0.49        | 178.04      | 1799.93   | -10.90   | -9.46     | 7.20      | 0.07             | 11.89      | 142.74      |
| 1900.00  | 0.38        | 188.51      | 1899.93   | -11.62   | -10.22    | 7.17      | 0.14             | 12.48      | 144.96      |
| 2000.00  | 0.28        | 183.68      | 1999.92   | -12.16   | -10.79    | 7.10      | 0.10             | 12.92      | 146.66      |
| 2100.00  | 0.40        | 161.92      | 2099.92   | -12.75   | -11.37    | 7.19      | 0.17             | 13.45      | 147.67      |
| 2200.00  | 0.37        | 168.90      | 2199.92   | -13.42   | -12.02    | 7.36      | 0.06             | 14.09      | 148.50      |
| 2300.00  | 0.33        | 182.10      | 2299.92   | -14.02   | -12.62    | 7.42      | 0.09             | 14.64      | 149.56      |
| 2400.00  | 0.36        | 76.95       | 2399.92   | -14.30   | -12.84    | 7.71      | 0.55             | 14.98      | 149.01      |
| 2500.00  | 1.08        | 51.76       | 2499.91   | -13.91   | -12.18    | 8.76      | 0.77             | 15.00      | 144.29      |
| 2600.00  | 1.55        | 46.53       | 2599.88   | -12.84   | -10.67    | 10.48     | 0.48             | 14.95      | 135.52      |
| 2700.00  | 1.74        | 51.27       | 2699.84   | -11.53   | -8.79     | 12.65     | 0.23             | 15.40      | 124.80      |
| 2800.00  | 1.78        | 53.47       | 2799.79   | -10.28   | -6.91     | 15.08     | 0.08             | 16.59      | 114.64      |
| 2900.00  | 1.89        | 49.13       | 2899.74   | -8.92    | -4.91     | 17.57     | 0.18             | 18.25      | 105.62      |
| 3000.00  | 2.26        | 47.04       | 2999.68   | -7.21    | -2.49     | 20.26     | 0.38             | 20.41      | 97.00       |
| 3100.00  | 2.31        | 51.18       | 3099.60   | -5.38    | 0.12      | 23.28     | 0.17             | 23.28      | 89.71       |
| 3200.00  | 1.94        | 50.90       | 3199.53   | -3.80    | 2.45      | 26.16     | 0.37             | 26.27      | 84.65       |
| 3300.00  | 2.01        | 55.88       | 3299.47   | -2.46    | 4.50      | 28.92     | 0.19             | 29.27      | 81.16       |
| 3400.00  | 1.73        | 52.84       | 3399.42   | -1.25    | 6.40      | 31.58     | 0.30             | 32.22      | 78.55       |
| 3500.00  | 1.71        | 60.79       | 3499.37   | -0.25    | 8.04      | 34.08     | 0.24             | 35.02      | 76.73       |
| 3600.00  | 1.68        | 55.17       | 3599.33   | 0.68     | 9.60      | 36.59     | 0.17             | 37.83      | 75.30       |
| 3700.00  | 1.51        | 55.46       | 3699.29   | 1.68     | 11.19     | 38.88     | 0.17             | 40.46      | 73.95       |
| 3800.00  | 1.38        | 59.31       | 3799.26   | 2.50     | 12.55     | 41.00     | 0.16             | 42.88      | 72.98       |
| 3900.00  | 1.41        | 63.62       | 3899.23   | 3.13     | 13.71     | 43.14     | 0.11             | 45.26      | 72.37       |
| 4000.00  | 1.44        | 54.25       | 3999.20   | 3.87     | 14.99     | 45.26     | 0.23             | 47.68      | 71.68       |
| 4100.00  | 1.45        | 35.51       | 4099.16   | 5.17     | 16.75     | 47.01     | 0.47             | 49.91      | 70.39       |
| 4200.00  | 1.10        | 315.75      | 4199.15   | 6.82     | 18.47     | 47.08     | 1.66             | 50.57      | 68.58       |
| 4300.00  | 0.47        | 245.00      | 4299.14   | 7.57     | 18.99     | 46.04     | 1.04             | 49.80      | 67.59       |
| 4400.00  | 0.35        | 289.46      | 4399.14   | 7.66     | 18.91     | 45.38     | 0.33             | 49.16      | 67.37       |
| 4500.00  | 1.02        | 339.28      | 4499.13   | 8.71     | 19.85     | 44.77     | 0.84             | 48.98      | 66.09       |
| 4600.00  | 1.66        | 337.18      | 4599.10   | 11.02    | 22.02     | 43.90     | 0.64             | 49.11      | 63.37       |
| 4700.00  | 2.09        | 320.98      | 4699.05   | 14.10    | 24.77     | 42.19     | 0.68             | 48.92      | 59.58       |
| 4800.00  | 2.81        | 321.89      | 4798.96   | 17.98    | 28.11     | 39.53     | 0.72             | 48.51      | 54.58       |



# Scientific Drilling International

## Survey Report

Company: OCCIDENTAL PERMIAN LTD.  
Field: Wildcat  
Site: Lea County, NM  
Well: Javelina #1  
Wellpath: VH - Job #32K0806686

Date: 10/29/2006 Time: 14:58:34 Page: 2  
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North  
Vertical (TVD) Reference: SITE 0.0  
Section (VS) Reference: Well (0.00N,0.00E,346.33Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

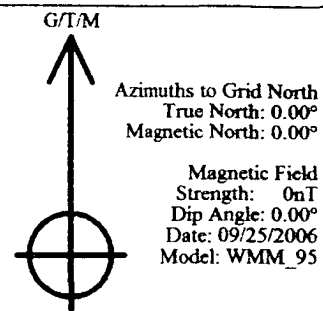
### Survey

| MD<br>ft | Incl<br>deg | Azima<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClasD<br>ft | ClasA<br>deg |
|----------|-------------|--------------|-----------|----------|-----------|-----------|------------------|-------------|--------------|
| 4900.00  | 5.46        | 315.15       | 4898.69   | 24.28    | 33.42     | 34.66     | 2.69             | 48.14       | 46.05        |
| 5000.00  | 7.08        | 316.79       | 4998.09   | 33.71    | 41.28     | 27.08     | 1.63             | 49.37       | 33.27        |
| 5100.00  | 6.80        | 318.28       | 5097.35   | 44.30    | 50.19     | 18.92     | 0.33             | 53.64       | 20.66        |
| 5200.00  | 6.40        | 318.85       | 5196.69   | 54.47    | 58.81     | 11.32     | 0.41             | 59.89       | 10.89        |
| 5300.00  | 6.25        | 319.91       | 5296.08   | 64.29    | 67.17     | 4.14      | 0.19             | 67.30       | 3.53         |
| 5400.00  | 5.87        | 319.61       | 5395.52   | 73.73    | 75.23     | -2.68     | 0.38             | 75.27       | 357.96       |
| 5500.00  | 5.87        | 320.86       | 5495.00   | 82.91    | 83.09     | -9.22     | 0.13             | 83.60       | 353.67       |
| 5600.00  | 6.19        | 326.56       | 5594.45   | 92.60    | 91.55     | -15.42    | 0.68             | 92.84       | 350.44       |
| 5700.00  | 5.89        | 329.86       | 5693.89   | 102.60   | 100.49    | -20.96    | 0.46             | 102.65      | 348.22       |
| 5800.00  | 6.13        | 330.92       | 5793.34   | 112.66   | 109.59    | -26.13    | 0.26             | 112.67      | 346.59       |
| 5900.00  | 6.17        | 332.64       | 5892.77   | 123.03   | 119.03    | -31.20    | 0.19             | 123.05      | 345.31       |
| 6000.00  | 6.01        | 328.49       | 5992.20   | 133.24   | 128.27    | -36.40    | 0.47             | 133.33      | 344.15       |
| 6100.00  | 6.09        | 325.67       | 6091.64   | 143.18   | 137.11    | -42.13    | 0.31             | 143.44      | 342.92       |
| 6200.00  | 5.54        | 331.45       | 6191.13   | 152.81   | 145.73    | -47.43    | 0.80             | 153.26      | 341.97       |
| 6300.00  | 6.21        | 323.98       | 6290.61   | 162.48   | 154.35    | -52.92    | 1.02             | 163.17      | 341.08       |
| 6400.00  | 6.41        | 326.48       | 6390.00   | 172.73   | 163.37    | -59.18    | 0.34             | 173.76      | 340.09       |
| 6500.00  | 6.02        | 322.11       | 6489.41   | 182.77   | 172.17    | -65.49    | 0.61             | 184.20      | 339.18       |
| 6600.00  | 6.22        | 324.50       | 6588.84   | 192.58   | 180.72    | -71.85    | 0.32             | 194.48      | 338.32       |
| 6700.00  | 6.17        | 325.23       | 6688.26   | 202.62   | 189.54    | -78.06    | 0.09             | 204.99      | 337.62       |
| 6800.00  | 6.24        | 331.57       | 6787.68   | 212.89   | 198.73    | -83.71    | 0.69             | 215.65      | 337.16       |
| 6900.00  | 6.25        | 337.67       | 6887.08   | 223.52   | 208.55    | -88.37    | 0.66             | 226.50      | 337.04       |
| 7000.00  | 5.95        | 337.76       | 6986.52   | 234.03   | 218.38    | -92.40    | 0.30             | 237.12      | 337.07       |
| 7100.00  | 5.70        | 341.95       | 7086.00   | 244.11   | 227.90    | -95.90    | 0.49             | 247.26      | 337.18       |
| 7200.00  | 5.14        | 342.42       | 7185.55   | 253.53   | 236.89    | -98.79    | 0.56             | 256.67      | 337.36       |
| 7300.00  | 2.15        | 319.61       | 7285.34   | 259.67   | 242.59    | -101.36   | 3.27             | 262.92      | 337.32       |
| 7400.00  | 1.15        | 315.90       | 7385.30   | 262.21   | 244.74    | -103.27   | 1.01             | 265.64      | 337.12       |
| 7500.00  | 0.26        | 330.67       | 7485.29   | 263.30   | 245.66    | -104.08   | 0.90             | 266.80      | 337.04       |
| 7600.00  | 0.79        | 46.15        | 7585.29   | 263.86   | 246.34    | -103.70   | 0.77             | 267.27      | 337.17       |
| 7700.00  | 0.86        | 31.63        | 7685.28   | 264.74   | 247.45    | -102.81   | 0.22             | 267.96      | 337.44       |
| 7800.00  | 0.20        | 343.88       | 7785.27   | 265.44   | 248.26    | -102.46   | 0.74             | 268.57      | 337.57       |
| 7900.00  | 0.19        | 346.61       | 7885.27   | 265.78   | 248.59    | -102.55   | 0.01             | 268.91      | 337.58       |
| 8000.00  | 0.18        | 344.80       | 7985.27   | 266.10   | 248.90    | -102.63   | 0.01             | 269.23      | 337.59       |
| 8100.00  | 0.54        | 28.29        | 8085.27   | 266.61   | 249.47    | -102.45   | 0.43             | 269.68      | 337.67       |
| 8200.00  | 0.38        | 7.97         | 8185.27   | 267.27   | 250.21    | -102.18   | 0.23             | 270.27      | 337.79       |
| 8300.00  | 0.66        | 23.93        | 8285.26   | 268.03   | 251.07    | -101.90   | 0.31             | 270.96      | 337.91       |
| 8400.00  | 0.81        | 33.02        | 8385.26   | 268.97   | 252.19    | -101.28   | 0.19             | 271.76      | 338.12       |
| 8500.00  | 1.26        | 46.08        | 8485.24   | 270.01   | 253.54    | -100.10   | 0.51             | 272.59      | 338.46       |
| 8600.00  | 1.27        | 53.16        | 8585.21   | 271.00   | 254.97    | -98.42    | 0.16             | 273.30      | 338.89       |
| 8700.00  | 1.38        | 50.81        | 8685.19   | 271.96   | 256.39    | -96.60    | 0.12             | 273.99      | 339.35       |
| 8800.00  | 1.44        | 48.74        | 8785.16   | 273.06   | 257.98    | -94.72    | 0.08             | 274.82      | 339.84       |
| 8900.00  | 1.46        | 50.00        | 8885.13   | 274.21   | 259.63    | -92.80    | 0.04             | 275.72      | 340.33       |
| 9000.00  | 1.88        | 68.21        | 8985.08   | 275.00   | 261.06    | -90.31    | 0.67             | 276.24      | 340.92       |
| 9100.00  | 2.59        | 79.91        | 9085.01   | 275.09   | 262.06    | -86.56    | 0.84             | 275.99      | 341.72       |
| 9200.00  | 3.51        | 89.95        | 9184.87   | 274.23   | 262.46    | -81.27    | 1.06             | 274.76      | 342.79       |
| 9300.00  | 4.60        | 93.77        | 9284.61   | 272.31   | 262.20    | -74.21    | 1.12             | 272.50      | 344.20       |
| 9400.00  | 5.45        | 93.68        | 9384.23   | 269.69   | 261.63    | -65.47    | 0.85             | 269.70      | 345.95       |
| 9420.00  | 5.31        | 92.56        | 9404.14   | 269.15   | 261.53    | -63.60    | 0.88             | 269.15      | 346.33       |

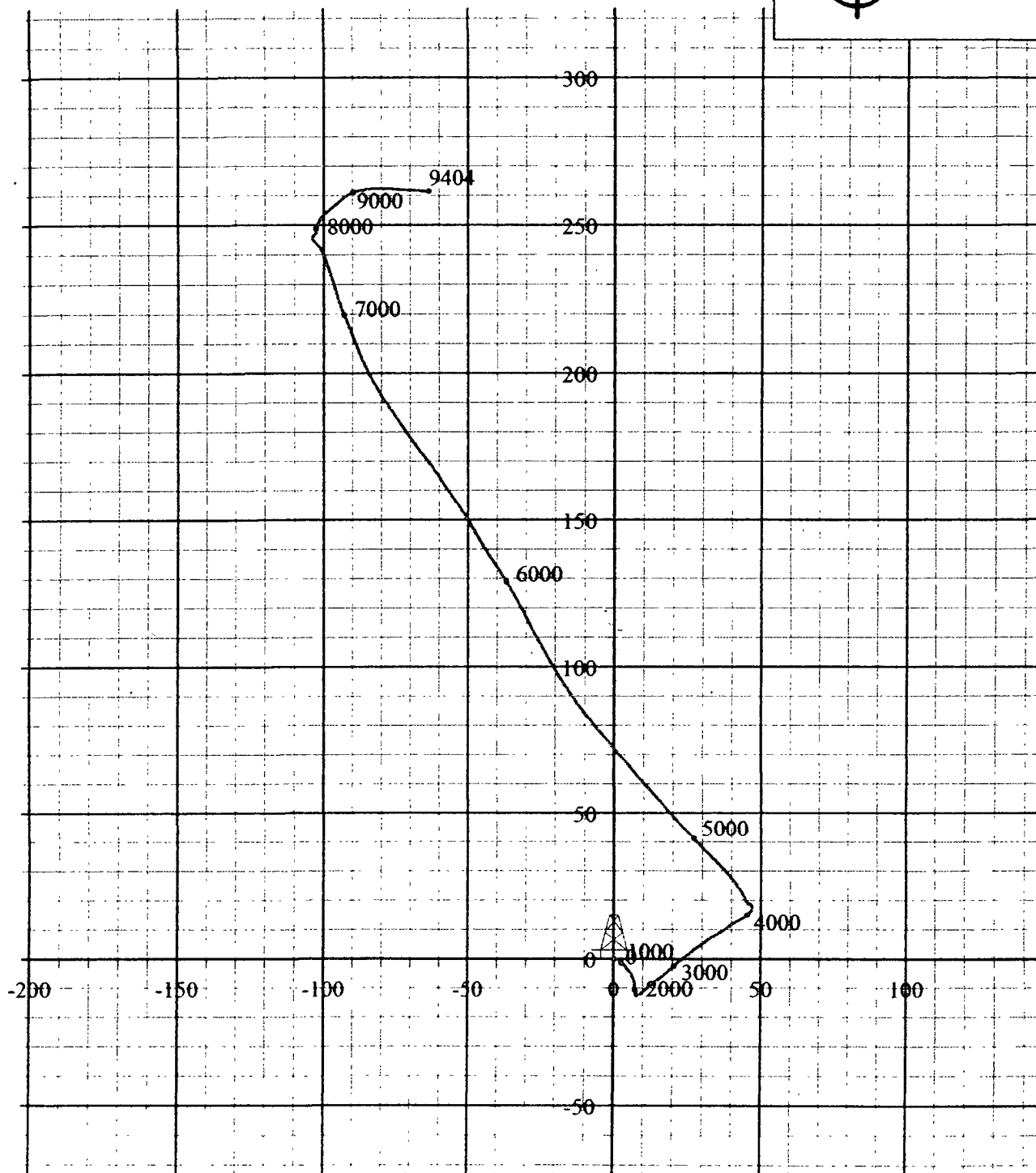


Scientific  
Drilling

Field: Wildcat  
Site: Lea County, NM  
Well: Javelina #1  
Wellpath: VH - Job #32K0806686  
Survey: 08/24/06



South(-)/North(+) [50ft/in]



West(-)/East(+) [50ft/in]



# Scientific Drilling International

## Survey Report

**Company:** OCCIDENTAL PERMIAN LTD. **Date:** 11/07/2006 **Time:** 11:20:10 **Page:** 1  
**Field:** Wildcat **Co-ordinate(NE) Reference:** Site: Lea County, NM, Grid North  
**Site:** Lea County, NM **Vertical (TVD) Reference:** SITE 0.0  
**Well:** Javelina #1 **Section (VS) Reference:** Well (0.00N,0.00E,0.00Azi)  
**Wellpath:** DH - Job #32D0908715 **Survey Calculation Method:** Minimum Curvature **Db:** Sybase

**Survey:** 09/03/06-09/11/06 **Start Date:** 09/03/2006  
 MWD 10645'-11204' - Straighting  
**Company:** Scientific Drilling Internatio **Engineer:** Fowler/Stutzman/Cevallos  
**Tool:** MWD;MWD **Tied-to:** User Defined

### Survey

| MD<br>ft | Incl<br>deg | Azimuth<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ChD<br>ft | ChA<br>deg |
|----------|-------------|----------------|-----------|----------|-----------|-----------|------------------|-----------|------------|
| 10645.00 | 3.56        | 72.41          | 10690.00  | 0.00     | 0.00      | 0.00      | 0.00             | 0.00      | 0.00       |
| 10702.00 | 3.71        | 77.43          | 10746.89  | 0.94     | 0.94      | 3.49      | 0.62             | 3.61      | 74.97      |
| 10766.00 | 3.17        | 73.38          | 10810.77  | 1.89     | 1.89      | 7.20      | 0.92             | 7.45      | 75.28      |
| 10830.00 | 3.40        | 79.68          | 10874.67  | 2.74     | 2.74      | 10.77     | 0.67             | 11.11     | 75.73      |
| 10894.00 | 1.89        | 98.11          | 10938.60  | 2.93     | 2.93      | 13.68     | 2.68             | 13.99     | 77.91      |
| 10958.00 | 2.27        | 85.19          | 11002.55  | 2.89     | 2.89      | 15.99     | 0.94             | 16.24     | 79.76      |
| 11022.00 | 2.14        | 80.88          | 11066.51  | 3.18     | 3.18      | 18.43     | 0.33             | 18.70     | 80.20      |
| 11085.00 | 1.56        | 75.06          | 11129.47  | 3.59     | 3.59      | 20.42     | 0.97             | 20.73     | 80.03      |
| 11149.00 | 1.72        | 61.70          | 11193.45  | 4.27     | 4.27      | 22.11     | 0.65             | 22.52     | 79.07      |
| 11204.00 | 1.36        | 74.32          | 11248.43  | 4.84     | 4.84      | 23.46     | 0.90             | 23.96     | 78.35      |



Scientific  
Drilling

Field: Wildcat  
Site: Lea County, NM  
Well: Javelina #1  
Wellpath: DH - Job #32D0906715  
Survey: 09/03/06-09/11/06



Azimuths to Grid North  
True North: 0.00°  
Magnetic North: 0.00°

Magnetic Field  
Strength: 0nT  
Dip Angle: 0.00°  
Date: 10/29/2006  
Model: WMM\_95

