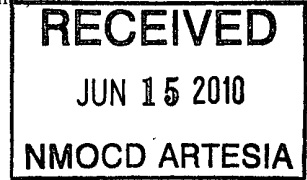


# PATHFINDER

4282-8619

An Operating Unit of Smith International, Inc.



## ***DIRECTIONAL SURVEY REPORT***

**OXY PETROLEUM**

***FEDERAL 23 # 16***

***EDDY COUNTY, NEW MEXICO***

**PREPARED BY: FRANCISCO SINISTERRA**

Pathfinder Energy Services, Inc.  
6213 W. Interstate 20 • Midland, TX • 79706  
(432) 681-6000

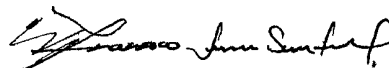
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:  
A) STEWART ROBERTSON
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 02/22/10 TO 02/26/10
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

OXY PETROLEUM  
FEDERAL 23 #16  
EDDY COUNTY, NM  
RIG: H & P 340

9. SURVEY CERTIFIED FROM: 4282 TO 8619 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1508.74 FEET ON A BEARING OF 278.84 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 8690 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



FRANCISCO SINISTERRA  
M/LWD SERVICE COORDINATOR

# PathFinder Energy Services, Inc.

## BHL Report

Page 01/01  
Tie-in Date: 02/20/2010  
Date Completed: 02/26/2010

---

OXY PETROLEUM  
FEDERAL 23 #16  
EDDY COUNTY, NM  
Rig:H&P 340  
PathFinder Office Supervisor: FRANCISCO SINISTERRA  
PathFinder Field Engineers:S. ROBERTSON  
W. GRAHAM

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.22.56.8000 N LON:103.44.28.4391 W  
GRID Reference:NAD27 new mexico east Transverse Mercator  
Ref GRID Coord: X: 682783.4000 Y: 503354.0000  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 7.52° EAST TO GRID  
Vertical Section Plane: 278.72  
Survey Vert. Reference: 16.50' Rotary Table To Ground  
Altitude:3539.90' Ground To MSL

---

Measured Depth	8690.00	(feet)
Inclination	18.38	(deg)
Azimuth	281.29	(deg)
True Vertical Depth	8376.06	(feet)
Vertical Section	1508.74	(feet)
Survey X cord	681292.61	(feet)
Survey Y cord	503585.79	(feet)
Survey Lat	32.38310417 N	(deg)
Survey Lon	103.74605796 W	(deg)
Rectangular Corr. N/S	231.97 N	(feet)
Rectangular Corr. E/W	1490.80 W	(feet)
Closure Distance	1508.74	(feet)
Direction of Closure	278.84	(deg)
Dogleg Severity	0.00	(deg/100ft)

# PathFinder Energy Services, Inc.

## Survey Report

OXY PETROLEUM  
 FEDERAL 23 #16  
 EDDY COUNTY, NM  
 Rig:H&P 340  
 PathFinder Office Supervisor: FRANCISCO SINISTERRA  
 PathFinder Field Engineers: S. ROBERTSON  
 W. GRAHAM

Survey Horiz. Reference:WELLHEAD  
 Ref Coordinates: LAT:32.22.56.8000 N LON:103.44.28.4391 W  
 GRID Reference:NAD27 new mexico east Transverse Mercator  
 Ref GRID Coord: X: 682783.4000 Y: 503354.0000  
 North Aligned To:GRID NORTH  
 Total Magnetic Correction: 7.52° EAST TO GRID  
 Vertical Section Plane: 278.72  
 Survey Vert. Reference: 16.50' Rotary Table To Ground  
 Altitude:3539.90' Ground To MSL

Survey Calculations by RX5 V6.02B using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
ASSUMING STRAIGHT HOLE @ 4100' MD.										
4190.00	0.62	48.66	4189.53	0.00	-13.94	9.58 S	12.63 E	15.85@	127.18	0.00
THE FOLLOWING SURVEYS ARE PATHFINDER MWD SURVEYS.										
4282.00	0.62	53.49	4281.52	92.00	-14.61	8.96 S	13.40 E	16.12@	123.75	0.06
4327.00	0.70	48.21	4326.52	45.00	-14.95	8.63 S	13.80 E	16.28@	122.00	0.22
4372.00	0.70	328.41	4371.52	45.00	-14.95	8.21 S	13.87 E	16.11@	120.63	2.00
4417.00	0.88	312.59	4416.51	45.00	-14.49	7.74 S	13.47 E	15.53@	119.89	0.63
4462.00	1.76	284.90	4461.50	45.00	-13.51	7.33 S	12.54 E	14.53@	120.30	2.36
4507.00	3.17	277.34	4506.46	45.00	-11.58	6.99 S	10.64 E	12.73@	123.31	3.21
4552.00	3.96	277.61	4551.37	45.00	-8.78	6.63 S	7.87 E	10.29@	130.11	1.76
4597.00	4.13	279.81	4596.26	45.00	-5.61	6.15 S	4.73 E	7.76@	142.41	0.51
4643.00	5.28	281.56	4642.10	46.00	-1.84	5.44 S	1.03 E	5.54@	169.32	2.52
4688.00	6.24	276.20	4686.88	45.00	2.67	4.76 S	3.43 W	5.87@	215.80	2.44
4733.00	6.33	273.65	4731.61	45.00	7.59	4.34 S	8.34 W	9.40@	242.52	0.65
4778.00	7.30	273.92	4776.29	45.00	12.91	3.99 S	13.67 W	14.24@	253.74	2.16
4823.00	7.56	273.12	4820.91	45.00	18.70	3.63 S	19.48 W	19.81@	259.44	0.62
4868.00	8.35	276.29	4865.48	45.00	24.91	3.11 S	25.68 W	25.87@	263.09	2.01
4913.00	9.94	280.33	4909.90	45.00	32.06	2.06 S	32.75 W	32.81@	266.41	3.81
4958.00	11.17	278.58	4954.14	45.00	40.30	0.71 S	40.88 W	40.89@	269.01	2.82
5003.00	11.17	276.38	4998.29	45.00	49.02	0.43 N	49.52 W	49.53@	270.49	0.95
5048.00	12.13	276.11	5042.36	45.00	58.09	1.41 N	58.56 W	58.57@	271.38	2.14
5094.00	13.10	277.43	5087.25	46.00	68.13	2.60 N	68.53 W	68.58@	272.17	2.20
5139.00	14.16	277.87	5130.98	45.00	78.74	4.01 N	79.04 W	79.14@	272.91	2.37
5184.00	14.68	276.03	5174.57	45.00	89.94	5.37 N	90.16 W	90.32@	273.41	1.54
5229.00	15.39	274.44	5218.03	45.00	101.59	6.43 N	101.79 W	101.99@	273.61	1.82
5274.00	16.27	275.32	5261.32	45.00	113.83	7.48 N	114.02 W	114.26@	273.75	2.03

# PathFinder Energy Services, Inc.

## Survey Report

OXY PETROLEUM  
 FEDERAL 23 #16  
 EDDY COUNTY, NM  
 RIG:H&P 340

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5319.00	17.41	277.61	5304.39	45.00	126.86	8.95 N	126.97 W	127.28@	274.03	2.93
5364.00	18.82	278.49	5347.16	45.00	140.85	10.91 N	140.82 W	141.24@	274.43	3.19
5409.00	19.52	277.61	5389.66	45.00	155.62	12.98 N	155.45 W	155.99@	274.77	1.68
5455.00	19.70	276.99	5432.99	46.00	171.06	14.94 N	170.76 W	171.42@	275.00	0.60
5500.00	20.14	276.99	5475.30	45.00	186.38	16.81 N	185.98 W	186.74@	275.16	0.98
5545.00	20.58	277.87	5517.49	45.00	202.03	18.84 N	201.51 W	202.38@	275.34	1.19
5590.00	21.46	277.52	5559.50	45.00	218.17	21.00 N	217.50 W	218.51@	275.51	1.98
5635.00	22.60	278.40	5601.21	45.00	235.05	23.34 N	234.22 W	235.38@	275.69	2.64
5680.00	23.65	277.17	5642.59	45.00	252.72	25.73 N	251.73 W	253.04@	275.84	2.57
5725.00	24.89	276.99	5683.61	45.00	271.21	28.00 N	270.08 W	271.53@	275.92	2.76
5771.00	25.59	277.96	5725.22	46.00	290.82	30.56 N	289.53 W	291.14@	276.02	1.77
5861.00	25.50	277.34	5806.43	90.00	329.62	35.73 N	327.99 W	329.93@	276.22	0.31
5952.00	24.71	276.55	5888.83	91.00	368.21	40.40 N	366.32 W	368.54@	276.29	0.94
6042.00	25.50	278.14	5970.33	90.00	406.38	45.29 N	404.19 W	406.71@	276.39	1.15
6132.00	24.80	278.93	6051.79	90.00	444.63	50.96 N	442.01 W	444.94@	276.58	0.86
6222.00	24.89	279.54	6133.46	90.00	482.44	57.03 N	479.33 W	482.71@	276.78	0.30
6312.00	25.50	279.45	6214.90	90.00	520.75	63.35 N	517.12 W	520.99@	276.98	0.68
6402.00	25.41	279.01	6296.17	90.00	559.43	69.55 N	555.30 W	559.64@	277.14	0.23
6492.00	24.89	279.01	6377.63	90.00	597.68	75.54 N	593.08 W	597.87@	277.26	0.58
6582.00	25.32	281.04	6459.13	90.00	635.85	82.19 N	630.68 W	636.01@	277.43	1.07
6672.00	25.59	280.29	6540.40	90.00	674.51	89.35 N	668.69 W	674.63@	277.61	0.47
6763.00	23.83	279.51	6623.06	91.00	712.54	95.90 N	706.16 W	712.64@	277.73	1.97
6853.00	24.27	279.57	6705.25	90.00	749.21	101.98 N	742.33 W	749.30@	277.82	0.49
6943.00	25.59	280.13	6786.86	90.00	787.14	108.47 N	779.70 W	787.21@	277.92	1.49
7034.00	27.87	280.39	6868.13	91.00	828.05	115.77 N	819.98 W	828.11@	278.04	2.51
7124.00	26.03	280.48	6948.35	90.00	868.82	123.15 N	860.09 W	868.86@	278.15	2.05
7214.00	27.26	279.54	7028.79	90.00	909.17	130.16 N	899.84 W	909.20@	278.23	1.44
7304.00	25.32	279.98	7109.48	90.00	949.02	136.91 N	939.12 W	949.05@	278.29	2.17

# PathFinder Energy Services, Inc.

## Survey Report

OXY PETROLEUM  
 FEDERAL 23 #16  
 EDDY COUNTY, NM  
 RIG:H&P 340

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular Offsets (ft)	Offsets (ft)	Dist (ft)	Dir (deg)	
7394.00	26.64	280.97	7190.38	90.00	988.43	144.09 N	977.89 W	988.44@	278.38	1.54
7485.00	25.94	282.63	7271.97	91.00	1028.67	152.32 N	1017.34 W	1028.68@	278.52	1.12
7575.00	25.94	280.90	7352.91	90.00	1067.98	160.35 N	1055.87 W	1067.98@	278.64	0.84
7665.00	26.73	277.96	7433.57	90.00	1107.89	166.88 N	1095.25 W	1107.89@	278.66	1.69
7755.00	26.29	275.85	7514.11	90.00	1148.04	171.71 N	1135.13 W	1148.04@	278.60	1.15
7845.00	24.71	276.36	7595.34	90.00	1186.74	175.83 N	1173.65 W	1186.75@	278.52	1.77
7936.00	23.74	277.54	7678.32	91.00	1224.06	180.34 N	1210.71 W	1224.07@	278.47	1.19
8026.00	22.42	278.84	7761.12	90.00	1259.34	185.35 N	1245.63 W	1259.35@	278.46	1.57
8116.00	23.74	279.58	7843.91	90.00	1294.62	191.00 N	1280.46 W	1294.63@	278.48	1.50
8206.00	23.65	279.81	7926.32	90.00	1330.78	197.09 N	1316.11 W	1330.79@	278.52	0.14
8297.00	23.65	281.18	8009.68	91.00	1367.26	203.74 N	1352.00 W	1367.27@	278.57	0.60
8387.00	23.13	281.40	8092.29	90.00	1402.96	210.74 N	1387.04 W	1402.96@	278.64	0.59
8477.00	21.37	281.18	8175.58	90.00	1437.00	217.41 N	1420.46 W	1437.00@	278.70	1.96
8567.00	20.49	282.52	8259.64	90.00	1469.10	224.01 N	1451.92 W	1469.10@	278.77	1.11
8619.00	18.38	281.29	8308.68	52.00	1486.37	227.58 N	1468.85 W	1486.37@	278.81	4.13
STRAIGHT-LINE PROJECTION TO BIT @ 8690' MD.										
8690.00	18.38	281.29	8376.06	71.00	1508.74	231.97 N	1490.80 W	1508.74@	278.84	0.00

# PATHFINDER

## ENERGY SERVICES

### TIE-IN SURVEY INFORMATION SHEET

#### CLIENT INFORMATION

CLIENT:	OXY PETROLEUM		
LEASE / WELL No.:	FEDERAL 23	#16	
WELL LOCATION:	EDDY COUNTY, NEW MEXICO		
COUNTY / STATE / COUNTRY:	EDDY	NM	USA
RIG:	H & P 340		
API WELL No:	30-015-37341		
JOB No:	101009869WT-WT		
P.O. / AFE No.			
DIRECTIONAL COMPANY:	PFES		

#### WELL SITE INFORMATION

TOTAL MAGNETIC CORRECTION (TMC):					
<i>On Wall Plat:</i>	7.53	<i>LWD Calculated:</i>	7.5196	<i>Agreed Upon:</i>	7.5196
	X = 682783.429200	Feet	Y = 503353.842600	Feet	
SITE LATITUDE:	32.382444 N	SITE LONGITUDE:	103.741233 W		
GRID SYSTEM:	TRUE <input type="checkbox"/>	UTM <input checked="" type="checkbox"/>	LAMBERT <input type="checkbox"/>	ZONE:	NEW MEXICO EAST
PROPOSED DRIFT DIRECTION:	278.72				
KELLY BUSHING ELEVATION:	16.5				
ALTITUDE:	3539.9	Feet	WATER DEPTH:	Feet	

#### TIE-IN SURVEY

MEASURED DEPTH:	4190				
DRIFT ANGLE:	0.62				
DRIFT DIRECTION:	48.66				
TRUE VERTICAL DEPTH:	4189.53				
VERTICAL SECTION:	-13.93				
RECTANGULAR COORDINATE ( N / S ) :	-9.58				
RECTANGULAR COORDINATE ( E / W ) :	12.63				
CLOSURE DISTANCE / DIRECTION:	15.85/127.19				
SURVEY CALCULATION METHOD:	AA <input type="checkbox"/>	MC <input checked="" type="checkbox"/>	RC <input type="checkbox"/>	BT <input type="checkbox"/>	
SOURCE OF TIE-IN DATA ( COMPANY ):	PES				
COPY OF TIE-IN SURVEY REPORT	<input type="checkbox"/> YES		<input type="checkbox"/> NO		

#### WELL PLAN

KICKOFF DEPTH:	4450	TOTAL DEPTH:	8694.81
KICKOFF ANGLE:	0.62	MAX ANGLE:	25.51

PES Engineers: \_\_\_\_\_  
\_\_\_\_\_

\*\*Signature of both field engineers required if applicable

Directional Driller: \_\_\_\_\_

DATE: \_\_\_\_\_

# PathFinder Energy Services, Inc.

## Magnetic & Grid Calculations

OXY PETROLEUM  
FEDERAL 23 #16  
EDDY COUNTY, NEW MEXICO  
Rig:HP 340

Tue Feb 16 16:06:27 2010

---

### Coordinates

Latitude: 32.382444 N ( 32 deg. 22 min. 56.8000 sec.)  
Longitude: 103.741233 W (-103 deg. 44 min. 28.4391 sec.)  
Elevation: 3556.40 feet.  
Calculation Date: Feb/16/2010

---

### Magnetic Calculations

Model: IGRF2010  
Dip Angle: 60.3375 degrees  
Total Magnetic Field: 0.48825 gauss  
Magnetic Declination: 7.838057 degrees  
Horizontal Intensity: 0.241632 gauss  
- To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.838057 Degr

---

### Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east  
Ellipsoid: Clarke 1866  
X: 682783.4000 feet  
Y: 503354.0000 feet  
True to Grid: (convergence) -0.317118 degrees  
Magnetic to Grid: 7.520939 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 7.520939 Degr.



# PathFinder Energy Services, Inc.

## Magnetic & Grid Calculations

OXY PETROLEUM  
FEDERAL 23 #16  
EDDY COUNTY, NEW MEXICO

Sun Feb 21 06:16:51 2010

---

### Coordinates

**Latitude:** 32.382444 N (32 deg. 22 min. 56.7984 sec.)  
**Longitude:** 103.741233 W (-103 deg. 44 min. 28.4388 sec.)  
**Elevation:** 3556.40 feet.  
**Calculation Date:** Feb/20/2010

---

### Magnetic Calculations

**Model:** IGRF2010  
**Dip Angle:** 60.3372 degrees  
**Total Magnetic Field:** 0.48824 gauss  
**Magnetic Declination:** 7.836718 degrees  
**Horizontal Intensity:** 0.241628 gauss

To Convert a Magnetic Dir. to a TRUE North Dir. Add 7.836718 Degs

---

### Transverse Mercator Grid Calculations NAD27

**Grid System:** Transverse Mercator: new mexico east  
**Ellipsoid:** Clarke 1866  
**X:** 682783.4292 feet  
**Y:** 503353.8426 feet  
**True to Grid: (convergence)** -0.317118 degrees  
**Magnetic to Grid:** 7.519600 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 7.519600 Degs.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OCT 14 2009  
CARRIZO ARTESIA

ATS-08-488  
FORM APPROVED  
OMB NO. 1004-0136  
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM62589
1b. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator OXY USA Inc.      16696		7. Unit or CA Agreement Name and No.
3a. Address P.O. Box 50250 Midland, TX 79710-0250	3b. Phone No. (include area code) 432-685-5717	8. Lease Name and Well No. Federal 23 # 16
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 612 FNL 509 FEL NENE (A) At proposed prod. zone 380 FNL 1980 FEL NWNE (B)		9. API Well No. 30-015-37341
14. Distance in miles and direction from nearest town or post office* 20 miles northeast from Loving, NM		10. Field and Pool, or Exploratory Livingston Ridge Delaware
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 380		11. Sec., T., R., M., or Blk and Survey or Area Sec 23 T22S R31E
16. No. of Acres in lease 640		12. County or Parish Eddy
17. Spacing Unit dedicated to this well 40		13. State NM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1496	19. Proposed Depth 8700' M 8400' V	20. BLM/BIA Bond No. on file ES0136
21. Elevations (Show whether DF, KDB, RT, GL, etc) 3539.9'	22. Approximate date work will start* 8/09	23. Estimated duration 45

24. Attachments

- The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1; shall be attached to this form:
- |   |   |
|---|---|
| 1 Well plat certified by a registered surveyor  | 4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)     |
| 2 A Drilling Plan   | 5 Operator certification  |
| 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6 Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) David Stewart	Date 5/15/09
Title Sr. Regulatory Analyst		
Approved by (Signature) /s/ Linda S.C. Rundell	Name (Printed/Typed) Linda S.C. Rundell	Date OCT 7 2009
Title STATE DIRECTOR		
Office NM STATE OFFICE		

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, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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

\*(Instructions on Reverse)

Carlsbad Controlled Water Basin

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Avenue, 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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-102  
 Revised October 12, 2005  
 Submit to Appropriate District Office  
 State Lease- 4 Copies  
 Fee Lease- 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code	Pool Name
Property Code	Property Name <b>LIVINGSTON RIDGE FEDERAL 23</b>	
OCRID No.	Operator Name <b>OXY USA INC.</b>	
		Well Number <b>16</b>
		Elevation <b>3539.9'</b>

**Surface Location**

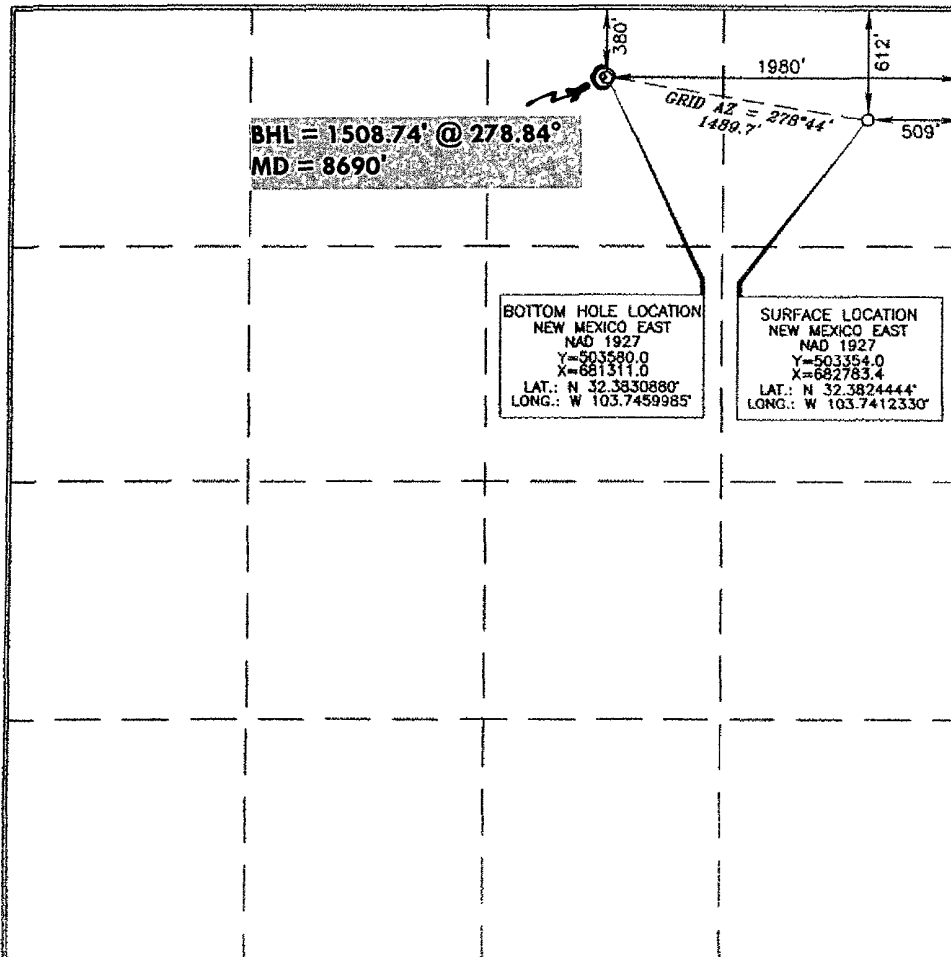
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	22 SOUTH	31 EAST, N.M.P.M.		612'	NORTH	509'	EAST	EDDY

**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
B	23	22 SOUTH	31 EAST, N.M.P.M.		380'	NORTH	1980'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



**OPERATOR CERTIFICATION**

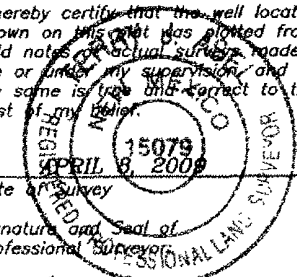
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

**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 of Survey \_\_\_\_\_  
 Signature and Seal of Professional Surveyor \_\_\_\_\_  
 Certificate Number 15079

Date of Survey 5/14/09

Certificate Number 15079

WO# 080917WL-1 (Rev. B) (KA)

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