

**RECEIVED**  
 APR - 5 2010  
 NMOCD ARTESIA

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 <b>30-015-38231</b>	Pool Code <b>53815</b>	Pool Name <b>Sand Dunes Delaware, West</b>
Property Code <b>304 820</b>	Property Name <b>FEDERAL 29</b>	Well Number <b>12</b>
OGRID No. <b>16696</b>	Operator Name <b>OXY USA, INC.</b>	Elevation <b>3354.0'</b>

Surface Location

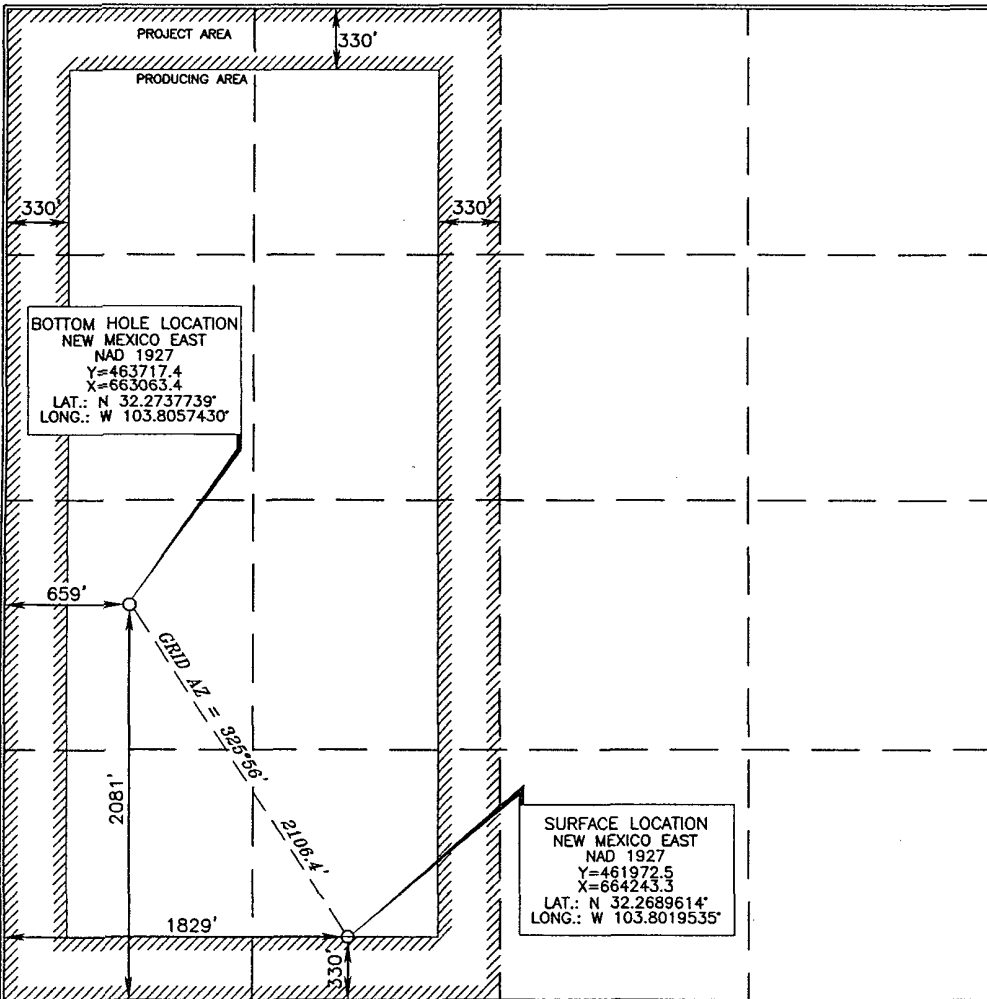
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>N</b>	<b>29</b>	<b>23 SOUTH</b>	<b>31 EAST, N.M.P.M.</b>		<b>330'</b>	<b>SOUTH</b>	<b>1829'</b>	<b>WEST</b>	<b>EDDY</b>

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>L</b>	<b>29</b>	<b>23 SOUTH</b>	<b>31 EAST, N.M.P.M.</b>		<b>2081'</b>	<b>SOUTH</b>	<b>659'</b>	<b>WEST</b>	<b>EDDY</b>

Dedicated Acres <b>320</b>	Joint or Infill <b>Y</b>	Consolidation Code	Order No.
-------------------------------	-----------------------------	--------------------	-----------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify 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.

*David Stewart* 3/20/10  
 Signature Date

David Stewart  
 Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

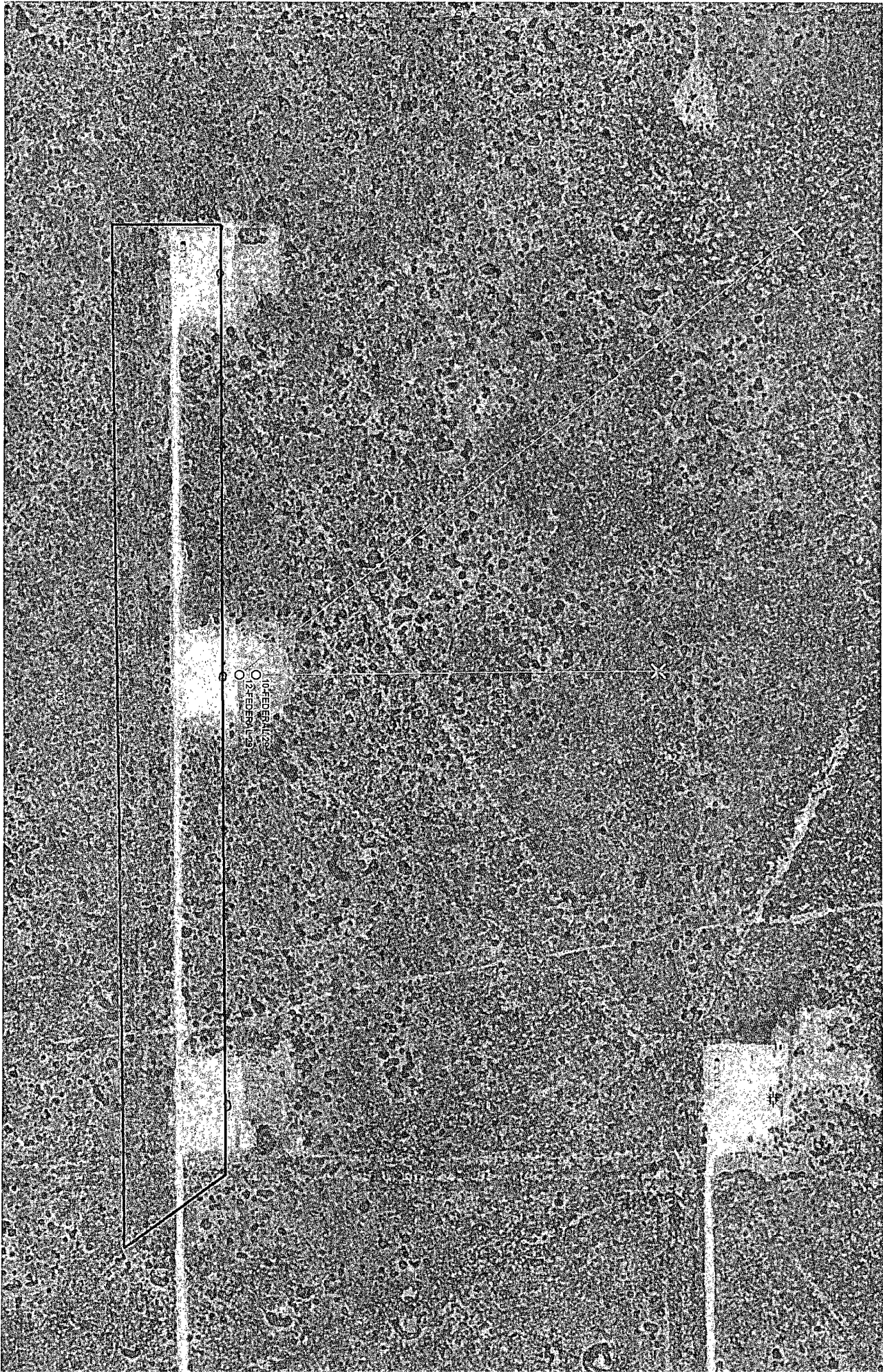
**FEBRUARY 23, 2010**  
 Date of Survey

Signature and Seal of Professional Surveyor

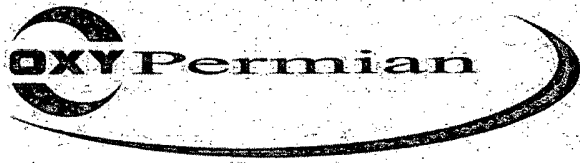
*Jerry J. Arnel* 2/25/2010  
 Certificate Number 15079

WO# 100223WL-b (KA)





INDEPENDENCE  
2-FEDERAL-23



RECEIVED  
APR - 5 2010  
NMOCD ARTESIA

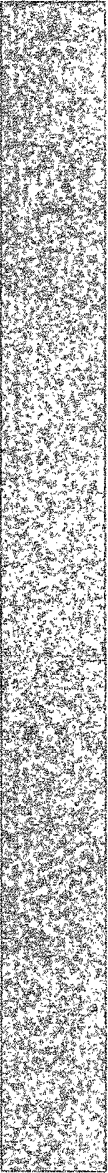
# OXY Permian

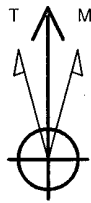
Eddy County, NM  
Federal 29  
Well #12  
OH

Plan: Plan #2

## PathFinder Standard X&Y Report

24 March, 2010





Azimuths to Grid North  
 True North: -0.28°  
 Magnetic North: 7.56°

Magnetic Field  
 Strength: 48740.1snT  
 Dip Angle: 60.22°  
 Date: 2010/03/24  
 Model: IGRF2010



**Project: Eddy County, NM**  
**Site: Federal 29**  
**Well: Well #12**  
**Wellbore: OH**  
**Plan: Plan #2 (Well #12/OH)**

**WELL DETAILS: Well #12**

Ground Elevation: 3354.00  
 RKB Elevation: RKB to MSL @ 3370.50ft  
 Rig Name:

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	461972.50	664243.30	32° 16' 8.26111 N	103° 48' 7.03254 W	

**CASING DETAILS**

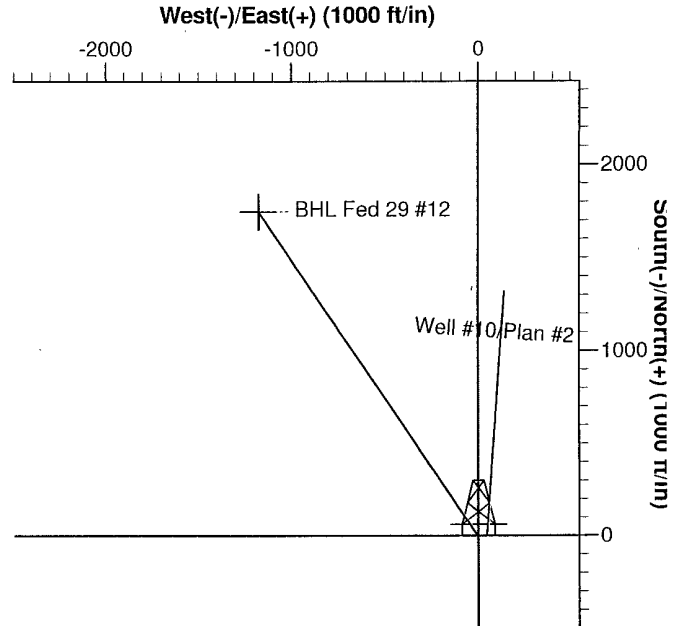
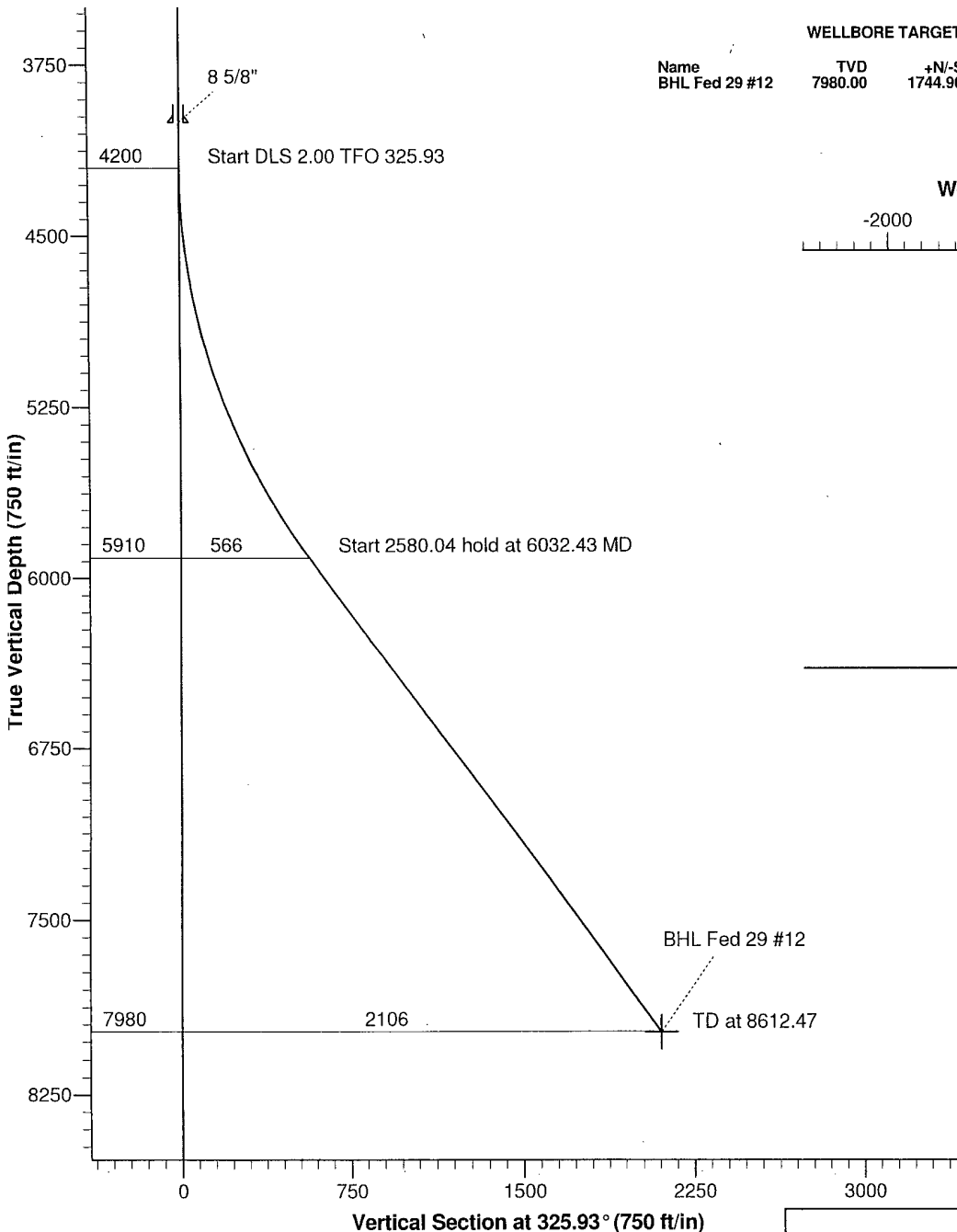
TVD	MD	Name	Size
4000.00	4000.00	8 5/8"	8-5/8

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	
3	6032.43	36.65	325.93	5910.01	469.15	-317.24	2.00	325.93	566.34	
4	8612.47	36.65	325.93	7980.00	1744.90	-1179.90	0.00	0.00	2106.38	BHL Fed 29 #12

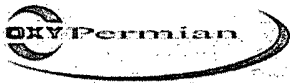
**WELLBORE TARGET DETAILS (MAP CO-ORDINATES)**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
BHL Fed 29 #12	7980.00	1744.90	-1179.90	463717.40	663063.40	



**PROJECT DETAILS: Eddy County, NM**  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001  
 System Datum: Mean Sea Level  
 Local North: Grid

Plan: Plan #2 (Well #12/OH)  
 Created By: Kurt Otto Date: 9:38, March 24 2010



**PathFinder Energy Services**  
PathFinder Standard X&Y Report



<b>Company:</b> OXY Permian	<b>Local Co-ordinate Reference:</b> Well #12
<b>Project:</b> Eddy County, NM	<b>TVD Reference:</b> RKB to MSL @ 3370.50ft
<b>Site:</b> Federal 29	<b>MD Reference:</b> RKB to MSL @ 3370.50ft
<b>Well:</b> Well #12	<b>North Reference:</b> Grid
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #2	<b>Database:</b> Landmark Network DB

<b>Project:</b> Eddy County, NM	
<b>Map System:</b> US State Plane 1927 (Exact solution)	<b>System Datum:</b> Mean Sea Level
<b>Geo Datum:</b> NAD 1927 (NADCON CONUS)	
<b>Map Zone:</b> New Mexico East 3001	

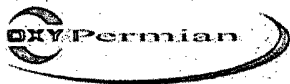
<b>Site:</b> Federal 29		
<b>Site Position:</b>	<b>Northing:</b> 465,004.10 ft	<b>Latitude:</b> 32° 16' 38.17389 N
<b>From:</b> Map	<b>Easting:</b> 666,020.00 ft	<b>Longitude:</b> 103° 47' 46.16305 W
<b>Position Uncertainty:</b> 0.00 ft	<b>Slot Radius:</b> "	<b>Grid Convergence:</b> 0.29 °

<b>Well:</b> Well #12			
<b>Well Position</b>	<b>+N/-S</b> 0.00 ft	<b>Northing:</b> 461,972.50 ft	<b>Latitude:</b> 32° 16' 8.26111 N
	<b>+E/-W</b> 0.00 ft	<b>Easting:</b> 664,243.30 ft	<b>Longitude:</b> 103° 48' 7.03254 W
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b> ft	<b>Ground Level:</b> 3,354.00 ft

<b>Wellbore:</b> OH					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2010/03/24	7.84	60.22	48,740

<b>Design:</b> Plan #2				
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b> PLAN	<b>Tie On Depth:</b> 0.00		
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	325.93

<b>Survey Tool Program</b>	<b>Date</b> 2010/03/24			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	8,612.47	Plan #2 (OH)	MWD	MWD - Standard

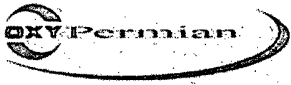


**PathFinder Energy Services**  
PathFinder Standard X&Y Report



<b>Company:</b> OXY Permian	<b>Local Co-ordinate Reference:</b>	<b>Well Well #12:</b>
<b>Project:</b> Eddy County, NM	<b>TVD Reference:</b>	RKB to MSL @ 3370.50ft
<b>Site:</b> Federal 29	<b>MD Reference:</b>	RKB to MSL @ 3370.50ft
<b>Well:</b> Well #12	<b>North Reference:</b>	Grid
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b> Plan #2	<b>Database:</b>	Landmark Network DB

Planned Survey									
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	V.Sec (ft)	N/S (ft)	E/W (ft)	DLeg (%/100ft)	
4,200.00	0.00	0.00	4,200.00	-829.50	0.00	0.00	0.00	0.00	0.00
4,300.00	2.00	325.93	4,299.98	-929.48	1.75	1.45	-0.98	2.00	2.00
4,400.00	4.00	325.93	4,399.84	-1,029.34	6.98	5.78	-3.91	2.00	2.00
4,500.00	6.00	325.93	4,499.45	-1,128.95	15.69	13.00	-8.79	2.00	2.00
4,600.00	8.00	325.93	4,598.70	-1,228.20	27.88	23.10	-15.62	2.00	2.00
4,700.00	10.00	325.93	4,697.47	-1,326.97	43.52	36.05	-24.38	2.00	2.00
4,800.00	12.00	325.93	4,795.62	-1,425.12	62.60	51.86	-35.07	2.00	2.00
4,900.00	14.00	325.93	4,893.06	-1,522.56	85.10	70.49	-47.67	2.00	2.00
5,000.00	16.00	325.93	4,989.64	-1,619.14	110.98	91.93	-62.16	2.00	2.00
5,100.00	18.00	325.93	5,085.27	-1,714.77	140.21	116.15	-78.54	2.00	2.00
5,200.00	20.00	325.93	5,179.82	-1,809.32	172.77	143.12	-96.78	2.00	2.00
5,300.00	22.00	325.93	5,273.17	-1,902.67	208.60	172.80	-116.85	2.00	2.00
5,400.00	24.00	325.93	5,365.21	-1,994.71	247.67	205.17	-138.74	2.00	2.00
5,500.00	26.00	325.93	5,455.84	-2,085.34	289.93	240.18	-162.41	2.00	2.00
5,600.00	28.00	325.93	5,544.94	-2,174.44	335.33	277.78	-187.84	2.00	2.00
5,700.00	30.00	325.93	5,632.39	-2,261.89	383.81	317.94	-214.99	2.00	2.00
5,800.00	32.00	325.93	5,718.11	-2,347.61	435.31	360.61	-243.84	2.00	2.00
5,900.00	34.00	325.93	5,801.97	-2,431.47	489.77	405.72	-274.35	2.00	2.00
6,000.00	36.00	325.93	5,883.88	-2,513.38	547.13	453.23	-306.48	2.00	2.00
6,032.43	36.65	325.93	5,910.01	-2,539.51	566.34	469.15	-317.24	2.00	2.00
6,100.00	36.65	325.93	5,964.22	-2,593.72	606.67	502.56	-339.83	0.00	0.00
6,200.00	36.65	325.93	6,044.45	-2,673.95	666.36	552.01	-373.27	0.00	0.00
6,300.00	36.65	325.93	6,124.68	-2,754.18	726.05	601.45	-406.70	0.00	0.00
6,400.00	36.65	325.93	6,204.91	-2,834.41	785.74	650.90	-440.14	0.00	0.00
6,500.00	36.65	325.93	6,285.14	-2,914.64	845.43	700.35	-473.57	0.00	0.00
6,600.00	36.65	325.93	6,365.38	-2,994.88	905.12	749.79	-507.01	0.00	0.00
6,700.00	36.65	325.93	6,445.61	-3,075.11	964.81	799.24	-540.45	0.00	0.00



**PathFinder Energy Services**  
PathFinder Standard X&Y Report



<b>Company:</b> OXY Permian	<b>Local Co-ordinate Reference:</b> Well: Well #12
<b>Project:</b> Eddy County, NM	<b>TVD Reference:</b> RKB to MSL @ 3370.50ft
<b>Site:</b> Federal 29	<b>MD Reference:</b> RKB to MSL @ 3370.50ft
<b>Well:</b> Well #12	<b>North Reference:</b> Grid
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #2	<b>Database:</b> Landmark Network DB

Planned Survey									
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	
6,800.00	36.65	325.93	6,525.84	-3,155.34	1,024.51	848.69	-573.88	0.00	
6,900.00	36.65	325.93	6,606.07	-3,235.57	1,084.20	898.13	-607.32	0.00	
7,000.00	36.65	325.93	6,686.30	-3,315.80	1,143.89	947.58	-640.75	0.00	
7,100.00	36.65	325.93	6,766.53	-3,396.03	1,203.58	997.03	-674.19	0.00	
7,200.00	36.65	325.93	6,846.76	-3,476.26	1,263.27	1,046.48	-707.63	0.00	
7,300.00	36.65	325.93	6,926.99	-3,556.49	1,322.96	1,095.92	-741.06	0.00	
7,400.00	36.65	325.93	7,007.22	-3,636.72	1,382.65	1,145.37	-774.50	0.00	
7,500.00	36.65	325.93	7,087.45	-3,716.95	1,442.34	1,194.82	-807.93	0.00	
7,600.00	36.65	325.93	7,167.69	-3,797.19	1,502.03	1,244.26	-841.37	0.00	
7,700.00	36.65	325.93	7,247.92	-3,877.42	1,561.72	1,293.71	-874.81	0.00	
7,800.00	36.65	325.93	7,328.15	-3,957.65	1,621.41	1,343.16	-908.24	0.00	
7,900.00	36.65	325.93	7,408.38	-4,037.88	1,681.10	1,392.61	-941.68	0.00	
8,000.00	36.65	325.93	7,488.61	-4,118.11	1,740.79	1,442.05	-975.11	0.00	
8,100.00	36.65	325.93	7,568.84	-4,198.34	1,800.48	1,491.50	-1,008.55	0.00	
8,200.00	36.65	325.93	7,649.07	-4,278.57	1,860.18	1,540.95	-1,041.99	0.00	
8,300.00	36.65	325.93	7,729.30	-4,358.80	1,919.87	1,590.39	-1,075.42	0.00	
8,400.00	36.65	325.93	7,809.53	-4,439.03	1,979.56	1,639.84	-1,108.86	0.00	
8,500.00	36.65	325.93	7,889.77	-4,519.27	2,039.25	1,689.29	-1,142.29	0.00	
8,600.00	36.65	325.93	7,970.00	-4,599.50	2,098.94	1,738.73	-1,175.73	0.00	
8,612.47	36.65	325.93	7,980.00	-4,609.50	2,106.38	1,744.90	-1,179.90	0.00	





# PathFinder Energy Services

PathFinder Standard X&Y Report



<b>Company:</b> OXY Permian	<b>Local Co-ordinate Reference:</b> Well #12
<b>Project:</b> Eddy County, NM	<b>TVD Reference:</b> RKB to MSL @ 3370.50ft
<b>Site:</b> Federal 29	<b>MD Reference:</b> RKB to MSL @ 3370.50ft
<b>Well:</b> Well #12	<b>North Reference:</b> Grid
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #2	<b>Database:</b> Landmark Network DB

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
Shape									
BHL Fed 29 #12	0.00	0.00	7,980.00	1,744.90	-1,179.90	463,717.40	663,063.40	32° 16' 25.58605 N	03° 48' 20.67460 W
- plan hits target center									
- Point									

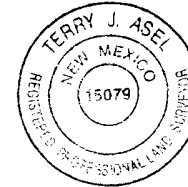
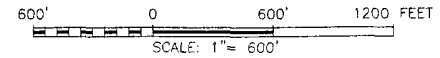
Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

OXY USA, INC.  
PURE GOLD # 118

**OXY USA INC.**  
**SURVEY OF PROPOSED ROAD,**  
**ELECTRIC LINE, AND FLOWLINE TO**  
**THE FEDERAL 29 #12 WELL**  
**LOCATION LOCATED IN SECTION 29,**  
**TOWNSHIP 23 SOUTH, RANGE 31 EAST,**  
**N.M.P.M., EDDY COUNTY, NEW MEXICO**

**LEGEND**

- --- DENOTES EXISTING WELL (AS NOTED)
- --- DENOTES PROPOSED NEW WELL (AS NOTED)
- --- DENOTES PROPOSED PIPELINE
- --- DENOTES PROPOSED ELECTRIC LINE
- --- DENOTES PROPOSED ROAD



**SURVEYORS CERTIFICATE**

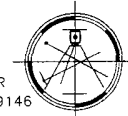
I, TERRY J. ASEL, NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

*Terry J. Asel*  
 Terry J. Asel N.M. R.P.S. No. 15079

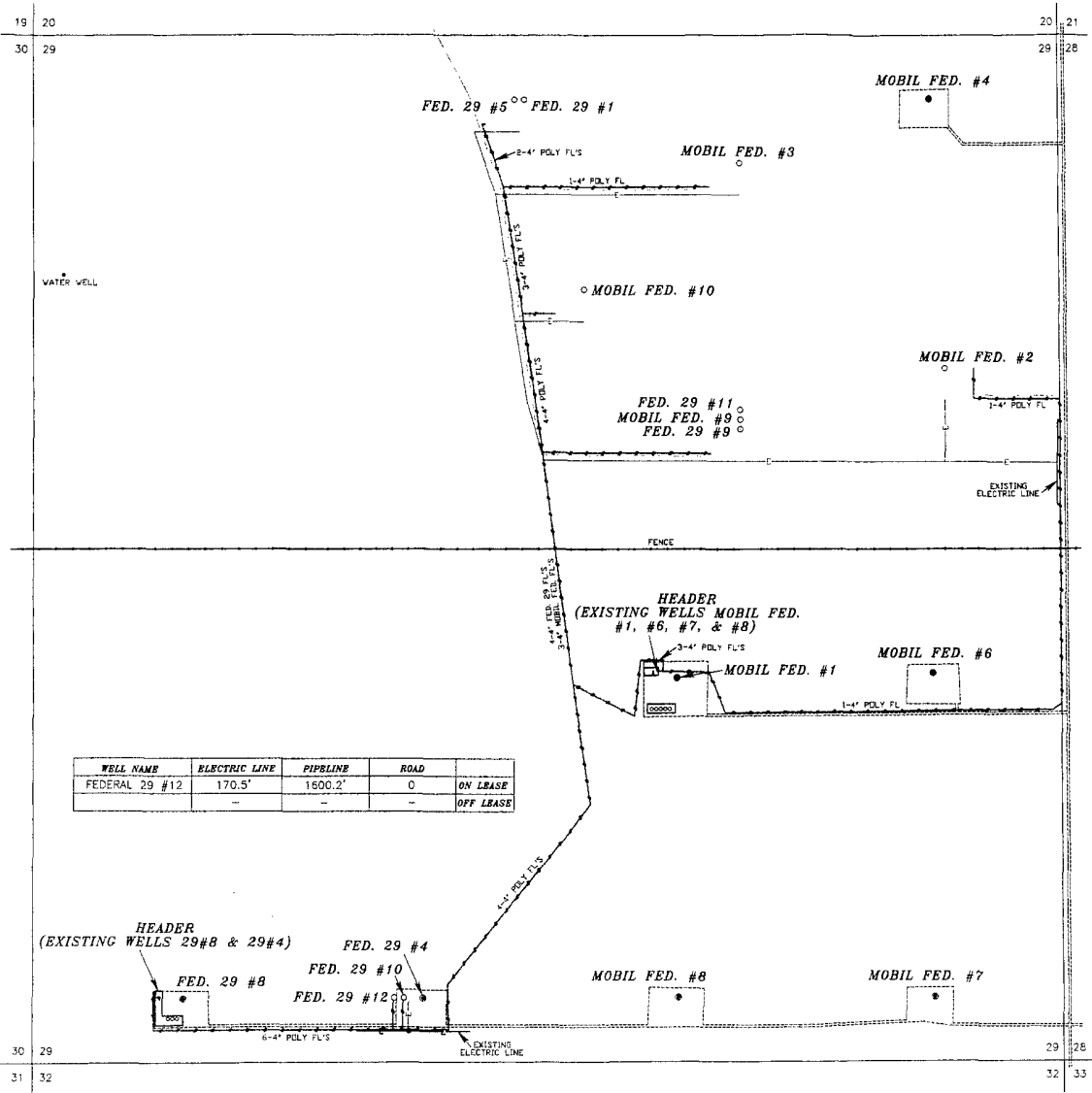
*3/16/2010*  
 DATE

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR  
 HOBBS, NEW MEXICO - 575-393-9146



OXY USA INC.	Work Order # 090803RPE-tt (Rev. A)
Date Surveyed: 02/23/2010	Surveyed by: Terry Asel
DWG # 090803RPE-tt (Rev. A).dwg	Drafted By: KA
Scale: 1" = 600'	Sheet 1 of 1



WELL NAME	ELECTRIC LINE	PIPELINE	ROAD	
FEDERAL 29 #12	170.5'	1600.2'	0	ON LEASE
				OFF LEASE

HEADER (EXISTING WELLS 29#8 & 29#4)

HEADER (EXISTING WELLS MOBIL FED. #1, #6, #7, & #8)