

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
June 16, 2008

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address OGX RESOURCES, LLC. P. O. BOX 2064 MIDLAND, TEXAS 79702		<sup>2</sup> OGRID Number 217955
		<sup>3</sup> API Number 30-015-38501-
<sup>4</sup> Property Code 38510	<sup>5</sup> Property Name SIDEWINDER	<sup>6</sup> Well No. 2H
<sup>7</sup> Proposed Pool 1 WC - BONE SPRING		<sup>8</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot/In	Feet from the	North/South line	Feet from the	East/West line	County
D	32	26S	29E		480'	NORTH	480'	WEST	EDDY

<sup>8</sup> Proposed Bottom Hole Location: If Different From Surface

UL or lot no.	Section	Township	Range	Lot/In	Feet from the	North/South line	Feet from the	East/West line	County
A	32	26S	29E		330'	NORTH	330'	FEL	EDDY

Additional Well Information

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code 0	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 2994'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth MD-11,972'	<sup>18</sup> Formation BONE SPRING	<sup>19</sup> Contractor SILVER OAK DRILL.	<sup>20</sup> Spud Date WHEN APPROVED

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
26"	20"	Conductor	40'	Redi-mix	Surface
17 1/2"	13 3/8"	48#	450'	425 Sx.	Surface
11"	8 5/8"	32#	2625'	500 Sx.	Surface
7 7/8"	5 1/2"	17#	MD-11,971'	500 Sx.	2125' FS

<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.

SEE ATTACHED SHEET FOR DETAIL

**RECEIVED**  
FEB 01 2011  
NMOCD ARTESIA

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Joe T. Janica*  
Printed name: Joe T. Janica

Title: Permit Eng.

E-mail Address: joejanica@valornet.com

Date: 01/31/11 Phone: 575-391-8503

OIL CONSERVATION DIVISION

Approved by: *Arnell Ruener*

Title: *Geologist*

Approval Date: 2/24/2011 Expiration Date: 2/24/2013

Conditions of Approval Attached

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 450'. Run and set 450' of 13 3/8" 48# H-40 ST&C casing. Cement with 225 Sx. of 35/65/6 Class "C" Premium Plus POZ cement + 6% Bentonite + 5% Salt, + 5% MPA-5, + 0.7% Sodium Metasilicate, + 5# LCM/Sx. Yield 2.00, tail in with 200 Sx. of Class "C" Premium Plus cement + 2% CaCl, Yield 1.34, circulate cement to surface.
3. Drill 11" hole to 2625'. Run and set 2625' of 8 5/8 32# J-55 ST&C casing. Cement with 300 Sx. of Premium Plus Class "C" POZ cement + 4% Bentonite, + 5% Salt, + 5% MPA-5, + 0.7% Sodium Metasilicate, + 5# LCM/Sx. Yield 2.02, tail in with 200 Sx. of Class "C" Premium Plus cement + 2% CaCl, Yield 1.34 circulate cement to surface.
4. Drill 7 7/8" hole to 11,704'. Run and set 11,704' of 5½" casing as follows: 5104' of 5½" 17# P-110 BT&C, 6600' of 5½" 17# P-110 LT&C. Cement with 300 Sx. of 36/65 Premium Plus Class "C" POZ cement + 4% Bentonite, + 5% Salt, + 5% MPA-5, + 0.7% Sodium Metasilicate, + 5# LCM/Sx. Yield 2.02, tail in with 200 Sx. of Premium Plus Class "C" cement + 2% CaCl, Yield 1.34 estimate top of cement 2125' from surface.

**OGX**

**RECEIVED**  
FEB 01 2011  
NMOCD ARTESIA

**OGX Resources**

Eddy County (NAD27)

Sidewinder

#2H

OH

Plan: Plan #1

**Pathfinder X & Y Planning Report**

14 January, 2011

**PATHFINDER**  
A Schlumberger Company



**Pathfinder**  
Pathfinder X & Y Planning Report



Company: OGX Resources  
 Project: Eddy County (NAD27)  
 Site: Sidewinder  
 Well: #2H  
 Wellbore: OH  
 Design: Plan #1

Local Co-ordinate Reference:  
 TVD Reference: Silver Oak #11 @ 3013.00usft (Original Well Elev)  
 MD Reference: Silver Oak #11 @ 3013.00usft (Original Well Elev)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000.1 Single User Db

Project: Eddy County (NAD27), New Mexico  
 Map System: US State Plane 1927 (Exact solution)  
 Geo Datum: NAD 1927 (NADCON CONUS)  
 Map Zone: New Mexico East 3001  
 System Datum: Mean Sea Level

Site: Sidewinder  
 Site Position: Map  
 From: Map  
 Position Uncertainty: 0.00 usft  
 Northing: 364,345.200 usft  
 Easting: 599,211.700 usft  
 Slot Radius: 13-3/16 "  
 Latitude: 32° 0' 4.661 N  
 Longitude: 104° 0' 47.831 W  
 Grid Convergence: 0.17°

Well: #2H  
 Well Position: +N/-S 0.00 usft  
 +E/-W 0.00 usft  
 Position Uncertainty: 0.00 usft  
 Northing: 364,345.200 usft  
 Easting: 599,211.700 usft  
 Wellhead Elevation: usft  
 Latitude: 32° 0' 4.661 N  
 Longitude: 104° 0' 47.831 W  
 Ground Level: 2,994.00 usft

Wellbore: OH  
 Magnetics Model Name: IGRF200510  
 Sample Date: 01/14/11  
 Declination (°): 7.81  
 Dip Angle (°): 59.93  
 Field Strength (nT): 48.513

Design: Plan #1  
 Audit Notes:  
 Version: Phase: PLAN  
 Tilt On Depth: 0.00  
 Vertical Section: Depth From (TVD) (usft)  
 +N/-S (usft) +E/-W (usft) Direction (°)  
 0.00 0.00 0.00 71.87

Survey Tool Program Date: 01/14/11  
 From (usft) To (usft) Survey (Wellbore) Tool Name Description  
 0.00 11,972.29 Plan #1 (OH) MWD MWD - Standard



# Pathfinder



A Schlumberger Company

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 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	Dleg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	3,013.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
100.00	0.00	0.00	100.00	2,913.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
200.00	0.00	0.00	200.00	2,813.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
300.00	0.00	0.00	300.00	2,713.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
400.00	0.00	0.00	400.00	2,613.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
500.00	0.00	0.00	500.00	2,513.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
600.00	0.00	0.00	600.00	2,413.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
700.00	0.00	0.00	700.00	2,313.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
800.00	0.00	0.00	800.00	2,213.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
900.00	0.00	0.00	900.00	2,113.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,000.00	0.00	0.00	1,000.00	2,013.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,100.00	0.00	0.00	1,100.00	1,913.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,200.00	0.00	0.00	1,200.00	1,813.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,300.00	0.00	0.00	1,300.00	1,713.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,400.00	0.00	0.00	1,400.00	1,613.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,500.00	0.00	0.00	1,500.00	1,513.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,600.00	0.00	0.00	1,600.00	1,413.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,700.00	0.00	0.00	1,700.00	1,313.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,800.00	0.00	0.00	1,800.00	1,213.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
1,900.00	0.00	0.00	1,900.00	1,113.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,000.00	0.00	0.00	2,000.00	1,013.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,100.00	0.00	0.00	2,100.00	913.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,200.00	0.00	0.00	2,200.00	813.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,300.00	0.00	0.00	2,300.00	713.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,400.00	0.00	0.00	2,400.00	613.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,500.00	0.00	0.00	2,500.00	513.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,600.00	0.00	0.00	2,600.00	413.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70



# Pathfinder

## Pathfinder X & Y Planning Report



A Schlumberger Company

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 Project: Eddy County (NAD27)  
 Site: Sidewinder  
 Well: #2H  
 Wellbore: OH  
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2,700.00	0.00	0.00	2,700.00	313.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,800.00	0.00	0.00	2,800.00	213.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,900.00	0.00	0.00	2,900.00	113.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,000.00	0.00	0.00	3,000.00	13.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,100.00	0.00	0.00	3,100.00	-87.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,200.00	0.00	0.00	3,200.00	-187.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,300.00	0.00	0.00	3,300.00	-287.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,400.00	0.00	0.00	3,400.00	-387.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,500.00	0.00	0.00	3,500.00	-487.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,600.00	0.00	0.00	3,600.00	-587.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,700.00	0.00	0.00	3,700.00	-687.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,800.00	0.00	0.00	3,800.00	-787.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,900.00	0.00	0.00	3,900.00	-887.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,000.00	0.00	0.00	4,000.00	-987.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,100.00	0.00	0.00	4,100.00	-1,087.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,200.00	0.00	0.00	4,200.00	-1,187.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,300.00	0.00	0.00	4,300.00	-1,287.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,400.00	0.00	0.00	4,400.00	-1,387.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,500.00	0.00	0.00	4,500.00	-1,487.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,600.00	0.00	0.00	4,600.00	-1,587.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,700.00	0.00	0.00	4,700.00	-1,687.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,800.00	0.00	0.00	4,800.00	-1,787.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,900.00	0.00	0.00	4,900.00	-1,887.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,000.00	0.00	0.00	5,000.00	-1,987.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,100.00	0.00	0.00	5,100.00	-2,087.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,200.00	0.00	0.00	5,200.00	-2,187.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,300.00	0.00	0.00	5,300.00	-2,287.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70



Pathfinder X & Y Planning Report



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Company: OGX Resources  
Project: Eddy County (NAD27)  
Site: Sidewinder  
Well: #2H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference: Silver Oak #1 @ 3013.00usft (Original Well Elev)  
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Survey Calculation Method: Minimum Curvature  
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	Dleg (°/100usft)	Northing (usft)	Easting (usft)
5,400.00	0.00	0.00	5,400.00	-2,387.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,500.00	0.00	0.00	5,500.00	-2,487.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,600.00	0.00	0.00	5,600.00	-2,587.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,700.00	0.00	0.00	5,700.00	-2,687.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,800.00	0.00	0.00	5,800.00	-2,787.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,900.00	0.00	0.00	5,900.00	-2,887.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,000.00	0.00	0.00	6,000.00	-2,987.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,100.00	0.00	0.00	6,100.00	-3,087.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,200.00	0.00	0.00	6,200.00	-3,187.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,300.00	0.00	0.00	6,300.00	-3,287.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,400.00	0.00	0.00	6,400.00	-3,387.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,500.00	0.00	0.00	6,500.00	-3,487.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,600.00	0.00	0.00	6,600.00	-3,587.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,700.00	0.00	0.00	6,700.00	-3,687.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,800.00	0.00	0.00	6,800.00	-3,787.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,900.00	0.00	0.00	6,900.00	-3,887.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,941.60	0.00	0.00	6,941.60	-3,928.60	0.00	0.00	0.00	0.00	364,345.20	599,211.70
6,950.00	1.05	71.87	6,950.00	-3,937.00	0.02	0.07	0.08	12.50	364,345.22	599,211.77
6,975.00	4.17	71.87	6,974.97	-3,961.97	0.38	1.16	1.22	12.50	364,345.58	599,212.86
7,000.00	7.30	71.87	6,999.84	-3,986.84	1.16	3.53	3.71	12.50	364,346.36	599,215.23
7,025.00	10.42	71.87	7,024.54	-4,011.54	2.35	7.19	7.56	12.50	364,347.55	599,218.89
7,050.00	13.55	71.87	7,048.99	-4,035.99	3.97	12.12	12.75	12.50	364,349.17	599,223.82
7,075.00	16.67	71.87	7,073.13	-4,060.13	6.00	18.31	19.27	12.50	364,351.20	599,230.01
7,100.00	19.79	71.87	7,096.87	-4,083.87	8.43	25.74	27.09	12.50	364,353.63	599,237.44
7,125.00	22.92	71.87	7,120.15	-4,107.15	11.26	34.39	36.19	12.50	364,356.46	599,246.09
7,150.00	26.04	71.87	7,142.90	-4,129.90	14.48	44.24	46.55	12.50	364,359.68	599,255.94
7,175.00	29.16	71.87	7,165.05	-4,152.05	18.09	55.25	58.13	12.50	364,363.29	599,266.95



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MD (ustf)	Inc (°)	Azi (°)	TVD (ustf)	TVDSS (ustf)	N/S (ustf)	EW (ustf)	V. Sec (ustf)	Dleg (°/100ustf)	Northing (ustf)	Easting (ustf)
7,200.00	32.29	71.87	7,186.54	-4,173.54	22.06	67.38	70.90	12.50	364,367.26	599,279.08
7,225.00	36.41	71.87	7,207.30	-4,194.30	26.40	80.62	84.83	12.50	364,371.60	599,292.32
7,250.00	36.54	71.87	7,227.27	-4,214.27	31.07	94.90	99.86	12.50	364,376.27	599,306.60
7,275.00	41.66	71.87	7,246.39	-4,233.39	36.08	110.21	115.86	12.50	364,381.28	599,321.91
7,300.00	44.78	71.87	7,264.60	-4,251.60	41.41	126.47	133.08	12.50	364,386.61	599,338.17
7,325.00	47.91	71.87	7,281.86	-4,268.86	47.04	143.66	151.17	12.50	364,392.24	599,355.36
7,350.00	51.03	71.87	7,298.10	-4,285.10	52.95	161.72	170.17	12.50	364,398.15	599,373.42
7,375.00	54.16	71.87	7,313.29	-4,300.29	59.13	180.59	190.02	12.50	364,404.33	599,392.29
7,400.00	57.28	71.87	7,327.37	-4,314.37	65.56	200.22	210.68	12.50	364,410.76	599,411.92
7,425.00	60.40	71.87	7,340.30	-4,327.30	72.21	220.55	232.07	12.50	364,417.41	599,432.25
7,450.00	63.53	71.87	7,352.05	-4,339.05	79.08	241.52	254.13	12.50	364,424.28	599,453.22
7,475.00	66.65	71.87	7,362.58	-4,349.58	86.13	263.06	276.80	12.50	364,431.33	599,474.76
7,500.00	69.78	71.87	7,371.85	-4,358.85	93.36	285.12	300.02	12.50	364,438.56	599,496.82
7,525.00	72.90	71.87	7,379.85	-4,366.85	100.73	307.63	323.70	12.50	364,445.93	599,519.33
7,550.00	76.02	71.87	7,386.55	-4,373.55	108.22	330.52	347.78	12.50	364,453.42	599,542.22
7,575.00	79.15	71.87	7,391.92	-4,378.92	115.82	353.72	372.19	12.50	364,461.02	599,565.42
7,600.00	82.27	71.87	7,395.96	-4,382.96	123.49	377.16	396.86	12.50	364,468.69	599,588.86
7,625.00	85.40	71.87	7,398.64	-4,385.64	131.23	400.78	421.72	12.50	364,476.43	599,612.48
7,651.20	88.67	71.87	7,400.00	-4,387.00	139.37	426.64	447.88	12.50	364,484.57	599,637.34
7,700.00	88.67	71.87	7,401.13	-4,388.13	154.55	472.01	496.86	0.00	364,499.75	599,683.71
7,800.00	88.67	71.87	7,403.45	-4,390.45	185.66	567.02	596.64	0.00	364,530.86	599,778.72
7,900.00	88.67	71.87	7,405.77	-4,392.77	216.77	662.03	696.61	0.00	364,561.97	599,873.73
8,000.00	88.67	71.87	7,408.10	-4,395.10	247.88	757.04	796.58	0.00	364,593.08	599,968.74
8,100.00	88.67	71.87	7,410.42	-4,397.42	278.99	852.05	896.56	0.00	364,624.19	600,063.75
8,200.00	88.67	71.87	7,412.74	-4,399.74	310.09	947.05	996.53	0.00	364,655.29	600,158.75
8,300.00	88.67	71.87	7,415.06	-4,402.06	341.20	1,042.06	1,096.50	0.00	364,686.40	600,253.76
8,400.00	88.67	71.87	7,417.38	-4,404.38	372.31	1,137.07	1,196.48	0.00	364,717.51	600,348.77





# Pathfinder



A Schlumberger Company

Company: OGX Resources  
 Project: Eddy County (NAD27)  
 Site: Sidewinder  
 Well: #2H  
 Wellbore: OH  
 Design: Plan #1

Local Co-ordinate Reference:  
 TVD Reference: Silver Oak #1 @ 3013.00usft (Original Well Elev)  
 MD Reference: Silver Oak #1 @ 3013.00usft (Original Well Elev)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,500.00	88.67	71.87	7,419.70	-4,406.70	403.42	1,232.08	1,296.45	0.00	364,748.62	600,443.78
8,600.00	88.67	71.87	7,422.02	-4,409.02	434.53	1,327.09	1,396.42	0.00	364,779.73	600,536.79
8,700.00	88.67	71.87	7,424.34	-4,411.34	465.64	1,422.10	1,496.39	0.00	364,810.84	600,633.80
8,800.00	88.67	71.87	7,426.66	-4,413.66	496.75	1,517.11	1,596.37	0.00	364,841.95	600,728.81
8,900.00	88.67	71.87	7,428.99	-4,415.99	527.86	1,612.12	1,696.34	0.00	364,873.06	600,823.82
9,000.00	88.67	71.87	7,431.31	-4,418.31	558.97	1,707.13	1,796.31	0.00	364,904.17	600,918.83
9,100.00	88.67	71.87	7,433.63	-4,420.63	590.08	1,802.14	1,896.29	0.00	364,935.28	601,013.84
9,200.00	88.67	71.87	7,435.95	-4,422.95	621.18	1,897.15	1,996.26	0.00	364,966.38	601,108.85
9,300.00	88.67	71.87	7,438.27	-4,425.27	652.29	1,992.16	2,096.23	0.00	364,997.49	601,203.86
9,400.00	88.67	71.87	7,440.59	-4,427.59	683.40	2,087.17	2,196.21	0.00	365,028.60	601,298.87
9,500.00	88.67	71.87	7,442.91	-4,429.91	714.51	2,182.18	2,296.18	0.00	365,059.71	601,393.88
9,600.00	88.67	71.87	7,445.23	-4,432.23	745.62	2,277.19	2,396.15	0.00	365,090.82	601,488.89
9,700.00	88.67	71.87	7,447.55	-4,434.55	776.73	2,372.20	2,496.13	0.00	365,121.93	601,583.90
9,800.00	88.67	71.87	7,449.88	-4,436.88	807.84	2,467.21	2,596.10	0.00	365,153.04	601,678.91
9,900.00	88.67	71.87	7,452.20	-4,439.20	838.95	2,562.22	2,696.07	0.00	365,184.15	601,773.92
10,000.00	88.67	71.87	7,454.52	-4,441.52	870.06	2,657.23	2,796.04	0.00	365,215.26	601,868.93
10,100.00	88.67	71.87	7,456.84	-4,443.84	901.17	2,752.24	2,896.02	0.00	365,246.37	601,963.94
10,200.00	88.67	71.87	7,459.16	-4,446.16	932.27	2,847.25	2,996.99	0.00	365,277.47	602,058.95
10,300.00	88.67	71.87	7,461.48	-4,448.48	963.38	2,942.26	3,096.96	0.00	365,308.58	602,153.96
10,400.00	88.67	71.87	7,463.80	-4,450.80	994.49	3,037.27	3,196.94	0.00	365,339.69	602,248.97
10,500.00	88.67	71.87	7,466.12	-4,453.12	1,025.60	3,132.28	3,296.91	0.00	365,370.80	602,343.98
10,600.00	88.67	71.87	7,468.44	-4,455.44	1,056.71	3,227.29	3,396.88	0.00	365,401.91	602,438.99
10,700.00	88.67	71.87	7,470.76	-4,457.76	1,087.82	3,322.30	3,496.86	0.00	365,433.02	602,534.00
10,800.00	88.67	71.87	7,473.09	-4,460.09	1,118.93	3,417.31	3,596.83	0.00	365,464.13	602,629.01
10,900.00	88.67	71.87	7,475.41	-4,462.41	1,150.04	3,512.32	3,696.80	0.00	365,495.24	602,724.02
11,000.00	88.67	71.87	7,477.73	-4,464.73	1,181.15	3,607.33	3,796.78	0.00	365,526.35	602,819.03
11,100.00	88.67	71.87	7,480.05	-4,467.05	1,212.26	3,702.34	3,896.75	0.00	365,557.46	602,914.04



Pathfinder  
Pathfinder X & Y Planning Report



Company: OGX Resources  
Project: Eddy County (NAD27)  
Site: Sidewinder  
Well: #2H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference: Silver Oak #1 @ 3013.00ustf (Original Well Elev)  
MID Reference: Silver Oak #1 @ 3013.00ustf (Original Well Elev)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM 5000.1 Single User Db

MD (ustf)	Inc (°)	Azi (°)	TVD (ustf)	TVDSS (ustf)	N/S (ustf)	E/W (ustf)	V. Sec (ustf)	D Leg (°/100ustf)	Northing (ustf)	Easting (ustf)
11,200.00	88.67	71.87	7,482.37	-4,469.37	1,243.36	3,797.35	3,995.72	0.00	365,588.56	603,009.05
11,300.00	88.67	71.87	7,484.69	-4,471.69	1,274.47	3,892.36	4,095.69	0.00	365,619.67	603,104.06
11,400.00	88.67	71.87	7,487.01	-4,474.01	1,305.58	3,987.36	4,195.67	0.00	365,650.78	603,199.06
11,500.00	88.67	71.87	7,489.33	-4,476.33	1,336.69	4,082.37	4,295.64	0.00	365,681.89	603,294.07
11,600.00	88.67	71.87	7,491.65	-4,478.65	1,367.80	4,177.38	4,395.61	0.00	365,713.00	603,389.08
11,700.00	88.67	71.87	7,493.98	-4,480.98	1,398.91	4,272.39	4,495.59	0.00	365,744.11	603,484.09
11,800.00	88.67	71.87	7,496.30	-4,483.30	1,430.02	4,367.40	4,595.56	0.00	365,775.22	603,579.10
11,900.00	88.67	71.87	7,498.62	-4,485.62	1,461.13	4,462.41	4,695.53	0.00	365,806.33	603,674.11
11,971.76	88.67	71.87	7,500.28	-4,487.28	1,483.45	4,530.59	4,767.27	0.00	365,828.65	603,742.29
PBHL (SW2H) 11,972.94	88.67	71.87	7,500.31	-4,487.31	1,483.82	4,531.71	4,768.45	0.00	365,829.02	603,743.41

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

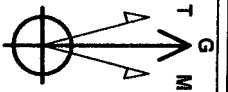


Project: Eddy County (NAD27)  
 Site: Slidewinder  
 Well: #2H  
 Wellbore: OH  
 Plan: Plan #1 (#2H/OH)

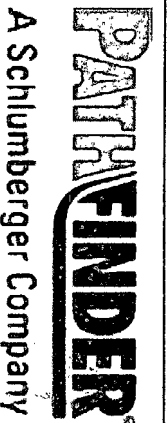
WELL DETAILS: #2H

Ground Elevation: 2894.00  
 R/W Elevation: Silver Oak #11 @ 3073.00 (Original Well Elev)  
 Rig Name: Original Well Elev  
 +N/S 0.00 +E/W 0.00 Northing 364345.200 Easting 599211.700  
 Latitude 32° 0' 4.691" N Longitude 104° 0' 47.231" W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)  
 Name: TWD  
 PBHL (SWZH) 7500.00  
 +N/S 1554.60 +E/W 4507.30 Northing 603719.300 Easting 598719.300  
 Shape Point



Azimuths to Grid North  
 True North: -0.17°  
 Magnetic North: 7.64°  
 Magnetic Field  
 Strength: 48512.89 nT  
 Dip Angle: 59.93°  
 Date: 01/14/2011  
 Model: IGRF200510

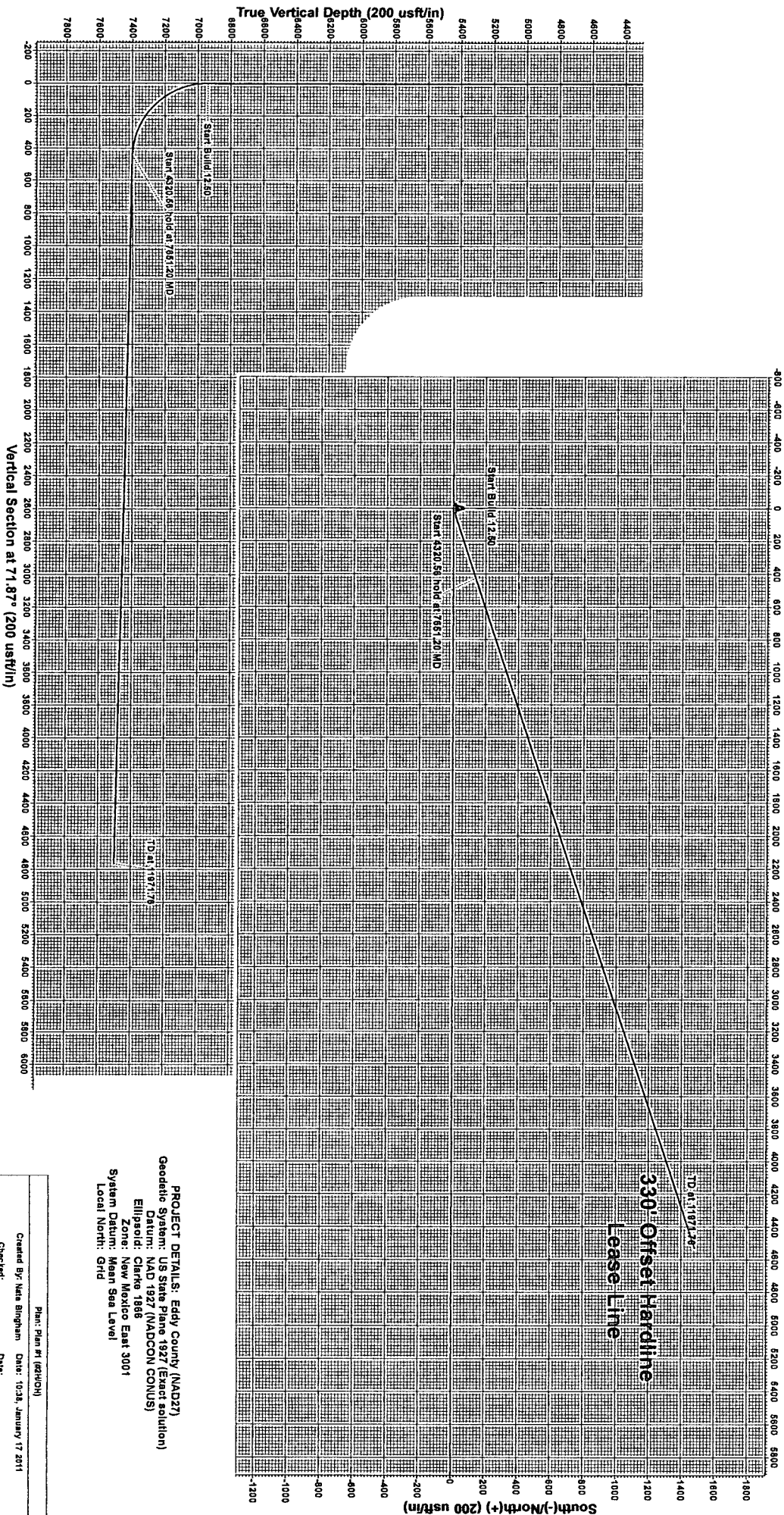


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SECTION DETAILS

MD	Inc	Azi	TVD	+N/S	+E/W	Dieg	Tface	V/sect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6941.60	0.00	0.00	6941.60	0.00	0.00	0.00	0.00	0.00	
7651.20	88.67	71.87	7400.00	139.37	425.64	12.50	71.87	447.58	
11971.76	88.67	71.87	7500.28	1483.45	4530.60	0.00	0.00	4767.28	PBHL (SWZH)

West(-)/East(+) (200 usft/in)



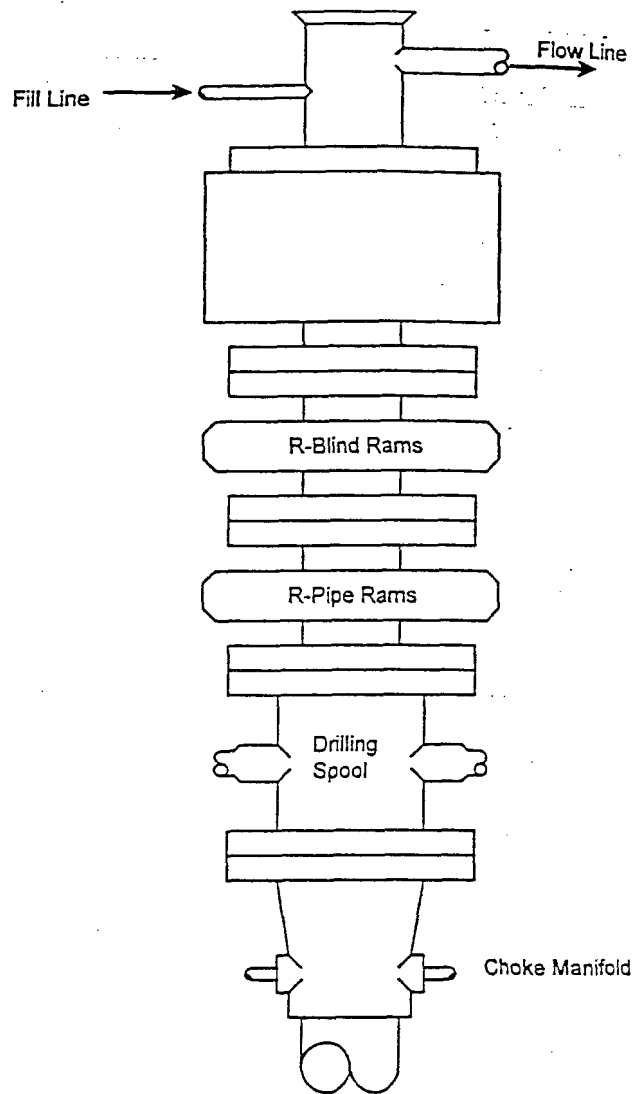
Vertical Section at 71.87° (200 usft/in)

PROJECT DETAILS: Eddy County (NAD27)  
 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 #1 (#2H/OH)  
 Created By: Kate Bingham Date: 10/28, January 17 2011  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_

# BLOWOUT PREVENTER SYSTEM

3000 PSI



Type 900 SERIES  
3000 PSI WP

## Choke Manifold Assembly for 5M WP System

