

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

Operator Name and Address OGX RESOURCES, LLC. P. O. BOX 2064 MIDLAND, TEXAS 79702		OGRID Number 217955 ✓
Property Code 38510 ✓	Property Name SIDEWINDER	API Number 30- 015- 38500 ✓
Well No. 1H ✓		
Proposed Pool 1 WC - BONE SPRING	Proposed Pool 2	

Surface Location									
U/L or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Lot 1	32	26S	29E		480'	SOUTH	480'	WEST	EDDY

Proposed Bottom Hole Location: If Different From Surface									
U/L or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Lot 4	32	26S	29E		330'	SOUTH	330'	EAST	EDDY

Work Type Code N ✓	Well Type Code O ✓	Cable/Rotary ROTARY ✓	Lease Type Code P ✓	Ground Level Elevation 2889' ✓
Multiple NO ✓	Proposed Depth MD-11,705 ✓	Formation BONE SPRING	Constructor SILVER OAK DRILL	Spud Date WHEN APPROVED

Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Bags 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-11,705'	500 Sx.	2125' FS

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.

Oil Conservation Division
Case No. 14661/14662
Exhibit No. E-1

ATTACHED SHEET FOR DETAIL

RECEIVED
FEB 01 2011
NMOCD ARTESIA

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: Joe T. Janica		Approved by: [Signature]	
Printed name: Joe T. Janica		Title: [Signature]	
Title: Permit Eng.		Approval Date: 2/24/2011	Expiration Date: 2/24/2013
E-mail Address: joejanica@valornet.com			
Date: 01/31/11	Phone: 575-391-8503	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

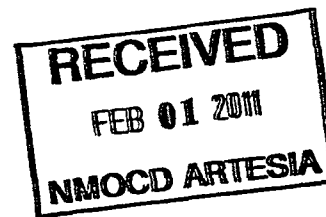
OGX Resources

Eddy County (NAD27)

Sidewinder

1H

OH



Plan: Plan #1

Pathfinder X & Y Planning Report

14 January, 2011

PATHFINDER
A Schlumberger Company



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

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

Local Co-ordinate Reference: Site Sidewinder
TVD Reference: Silver Oak #11 @ 2808.00uft (Original Well Elev)
MD Reference: Silver Oak #11 @ 2808.60uft (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:	Northings:	364,345.200 uft	Latitude:	32° 0' 4.861 N
Front: Map	Easting:	589,211.700 uft	Longitude:	104° 0' 47.831 W
Position Uncertainty:	Site Radius:	13-3/16 "	Grid Convergence:	0.17 "

Well: 1H

Well Position	+N-S	0.00 uft	Northings:	364,345.200 uft	Latitude:	32° 0' 4.861 N
	+E-W	0.00 uft	Easting:	589,211.700 uft	Longitude:	104° 0' 47.831 W
Position Uncertainty		0.00 uft	Wellhead Elevation:	uft	Ground Level:	2,889.00 uft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (mT)
	IGRF200510	01/14/11	7.81	59.98	48,514

Design: Plan #1

Audit Notes:

Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (uft)	+N-S (uft)	+E-W (uft)	Inclination (°)
	0.00	0.00	0.00	91.67

Survey Tool Program Date: 01/14/11

From (uft)	To (uft)	Survey (Wellbore)	Tool Name	Description
0.00	11,704.87	Plan #1 (OH)	MWD	MWD - Standard



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

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

Local Co-ordinate Reference:
TWD Reference:
NAD Reference:
North Reference:
Survey Calculation Method:
Database:

Site Sidewinder
Silver Oak #11 @ 2908.00usft (Original Well Elev)
Silver Oak #11 @ 2908.00usft (Original Well Elev)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Planned Survey

BD (usft)	Inc (°)	Adj (°)	TWD (usft)	TWDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Mag (°100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	2,908.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
100.00	0.00	0.00	100.00	2,808.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
200.00	0.00	0.00	200.00	2,708.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
300.00	0.00	0.00	300.00	2,608.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
400.00	0.00	0.00	400.00	2,508.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
500.00	0.00	0.00	500.00	2,408.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
600.00	0.00	0.00	600.00	2,308.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
700.00	0.00	0.00	700.00	2,208.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
800.00	0.00	0.00	800.00	2,108.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
900.00	0.00	0.00	900.00	2,008.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,000.00	0.00	0.00	1,000.00	1,908.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,100.00	0.00	0.00	1,100.00	1,808.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,200.00	0.00	0.00	1,200.00	1,708.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,300.00	0.00	0.00	1,300.00	1,608.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,400.00	0.00	0.00	1,400.00	1,508.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,500.00	0.00	0.00	1,500.00	1,408.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,600.00	0.00	0.00	1,600.00	1,308.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,700.00	0.00	0.00	1,700.00	1,208.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,800.00	0.00	0.00	1,800.00	1,108.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
1,900.00	0.00	0.00	1,900.00	1,008.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,000.00	0.00	0.00	2,000.00	908.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,100.00	0.00	0.00	2,100.00	808.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,200.00	0.00	0.00	2,200.00	708.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,300.00	0.00	0.00	2,300.00	608.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,400.00	0.00	0.00	2,400.00	508.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,500.00	0.00	0.00	2,500.00	408.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70
2,600.00	0.00	0.00	2,600.00	308.00	0.00	0.00	0.00	0.00	364,345.20	589,211.70



Pathfinder
Pathfinder X & Y Planning Report

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

Local Co-ordinate Reference:
TWD Reference:
NAD Reference:
North Reference:
Survey Calculation Method:
Database:

Site Sidewinder
Silver Oak #11 @ 2908.00ust (Original Well Elev)
Silver Oak #11 @ 2908.00ust (Original Well Elev)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Planned Survey

MD (ust)	Inc (°)	Asl (°)	TWD (ust)	TWGS (ust)	N/S (ust)	EDM (ust)	V. Sec (ust)	Q Log (Y100ust)	Northing (ust)	Easting (ust)
2,700.00	0.00	0.00	2,700.00	208.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,800.00	0.00	0.00	2,800.00	108.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
2,900.00	0.00	0.00	2,900.00	8.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,000.00	0.00	0.00	3,000.00	-92.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,100.00	0.00	0.00	3,100.00	-192.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,200.00	0.00	0.00	3,200.00	-292.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,300.00	0.00	0.00	3,300.00	-392.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,400.00	0.00	0.00	3,400.00	-492.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,500.00	0.00	0.00	3,500.00	-592.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,600.00	0.00	0.00	3,600.00	-692.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,700.00	0.00	0.00	3,700.00	-792.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,800.00	0.00	0.00	3,800.00	-892.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
3,900.00	0.00	0.00	3,900.00	-992.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,000.00	0.00	0.00	4,000.00	-1,092.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,100.00	0.00	0.00	4,100.00	-1,192.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,200.00	0.00	0.00	4,200.00	-1,292.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,300.00	0.00	0.00	4,300.00	-1,392.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,400.00	0.00	0.00	4,400.00	-1,492.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,500.00	0.00	0.00	4,500.00	-1,592.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,600.00	0.00	0.00	4,600.00	-1,692.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,700.00	0.00	0.00	4,700.00	-1,792.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,800.00	0.00	0.00	4,800.00	-1,892.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
4,900.00	0.00	0.00	4,900.00	-1,992.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,000.00	0.00	0.00	5,000.00	-2,092.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,100.00	0.00	0.00	5,100.00	-2,192.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,200.00	0.00	0.00	5,200.00	-2,292.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70
5,300.00	0.00	0.00	5,300.00	-2,392.00	0.00	0.00	0.00	0.00	364,345.20	599,211.70



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

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

Local Co-ordinate Reference: Site Sidewinder
TVD Reference: Silver Oak #11 @ 2908.00ust (Original Well Elev)
SSD Reference: Silver Oak #11 @ 2908.00ust (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

SSD (ust)	Inc (°)	Asd (°)	TVD (ust)	TVDSS (ust)	N/S (ust)	EW (ust)	V. Sec (ust)	Dlog (7100ust)	Northing (ust)	Easting (ust)
5,400.00	0.00	0.00	5,400.00	-2,482.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
5,500.00	0.00	0.00	5,500.00	-2,582.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
5,600.00	0.00	0.00	5,600.00	-2,682.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
5,700.00	0.00	0.00	5,700.00	-2,782.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
5,800.00	0.00	0.00	5,800.00	-2,882.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
5,900.00	0.00	0.00	5,900.00	-2,982.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,000.00	0.00	0.00	6,000.00	-3,082.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,100.00	0.00	0.00	6,100.00	-3,182.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,200.00	0.00	0.00	6,200.00	-3,282.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,300.00	0.00	0.00	6,300.00	-3,382.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,400.00	0.00	0.00	6,400.00	-3,482.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,500.00	0.00	0.00	6,500.00	-3,582.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,600.00	0.00	0.00	6,600.00	-3,682.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,700.00	0.00	0.00	6,700.00	-3,782.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,800.00	0.00	0.00	6,800.00	-3,882.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,900.00	0.00	0.00	6,900.00	-3,982.00	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,941.60	0.00	0.00	6,941.60	-4,033.60	0.00	0.00	0.00	0.00	364,345.20	588,211.70
6,950.00	1.05	91.67	6,950.00	-4,042.00	0.00	0.00	0.00	12.50	364,345.20	588,211.78
6,975.00	4.17	91.67	6,974.97	-4,066.97	-0.04	1.22	1.22	12.50	364,345.16	588,212.82
7,000.00	7.30	91.67	6,999.84	-4,091.84	-0.11	3.71	3.71	12.50	364,345.09	588,215.41
7,025.00	10.42	91.67	7,024.54	-4,116.54	-0.22	7.55	7.55	12.50	364,344.98	588,219.26
7,050.00	13.54	91.67	7,048.99	-4,140.99	-0.37	12.75	12.75	12.50	364,344.83	588,224.45
7,075.00	16.67	91.67	7,073.13	-4,165.13	-0.56	19.26	19.27	12.50	364,344.64	588,230.96
7,100.00	19.79	91.67	7,096.87	-4,188.87	-0.79	27.08	27.09	12.50	364,344.41	588,238.78
7,125.00	22.92	91.67	7,120.15	-4,212.15	-1.05	36.18	36.19	12.50	364,344.15	588,247.88
7,150.00	26.04	91.67	7,142.90	-4,234.90	-1.36	46.53	46.55	12.50	364,343.84	588,258.23
7,175.00	29.16	91.67	7,165.05	-4,257.05	-1.69	58.11	58.13	12.50	364,343.51	588,269.81



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

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDDB (usft)	N/S (usft)	SW (usft)	V. Sec (usft)	WLog (°/100usft)	Northing (usft)	Eastng (usft)
7,200.00	32.28	91.67	7,186.54	-4,278.54	-2.07	70.87	70.90	12.50	364,343.13	589,282.57
7,225.00	35.41	91.67	7,207.39	-4,299.30	-2.47	84.79	84.88	12.50	364,342.73	589,295.49
7,250.00	38.54	91.67	7,227.27	-4,319.27	-2.91	98.82	98.86	12.50	364,342.29	589,311.52
7,275.00	41.66	91.67	7,246.39	-4,338.39	-3.38	115.91	115.96	12.50	364,341.82	589,327.61
7,300.00	44.78	91.67	7,264.61	-4,356.61	-3.88	133.02	133.08	12.50	364,341.32	589,344.72
7,325.00	47.91	91.67	7,281.86	-4,373.86	-4.41	151.10	151.16	12.50	364,340.79	589,362.80
7,350.00	51.03	91.67	7,298.11	-4,390.11	-4.96	170.09	170.16	12.50	364,340.24	589,381.79
7,375.00	54.15	91.67	7,313.29	-4,405.29	-5.54	189.94	190.02	12.50	364,339.66	589,401.64
7,400.00	57.28	91.67	7,327.37	-4,419.37	-6.14	210.58	210.67	12.50	364,339.06	589,422.28
7,425.00	60.40	91.67	7,340.31	-4,432.31	-6.76	231.96	232.06	12.50	364,338.44	589,443.66
7,450.00	63.53	91.67	7,352.06	-4,444.06	-7.41	254.02	254.13	12.50	364,337.79	589,465.72
7,475.00	66.65	91.67	7,362.58	-4,454.58	-8.07	276.68	276.80	12.50	364,337.13	589,488.38
7,500.00	69.77	91.67	7,371.86	-4,463.86	-8.74	298.88	300.01	12.50	364,336.46	589,511.58
7,525.00	72.90	91.67	7,379.86	-4,471.86	-9.43	323.55	323.69	12.50	364,335.77	589,535.25
7,550.00	76.02	91.67	7,386.56	-4,478.56	-10.14	347.63	347.77	12.50	364,335.06	589,559.33
7,575.00	79.15	91.67	7,391.93	-4,483.93	-10.85	372.03	372.19	12.50	364,334.35	589,583.73
7,600.00	82.27	91.67	7,395.97	-4,487.97	-11.57	396.89	396.86	12.50	364,333.63	589,608.39
7,625.00	85.39	91.67	7,398.66	-4,490.66	-12.29	421.53	421.71	12.50	364,332.91	589,633.23
7,650.59	88.59	91.67	7,400.00	-4,492.00	-13.03	447.07	447.26	12.50	364,332.17	589,658.77
7,700.00	88.59	91.67	7,401.22	-4,493.22	-14.47	488.44	488.65	0.00	364,330.73	589,708.14
7,800.00	88.59	91.67	7,403.68	-4,495.68	-17.39	598.37	596.62	0.00	364,327.81	589,808.07
7,900.00	88.59	91.67	7,406.14	-4,498.14	-20.30	698.30	696.59	0.00	364,324.90	589,908.00
8,000.00	88.59	91.67	7,408.60	-4,500.60	-23.21	798.22	796.56	0.00	364,321.99	600,007.92
8,100.00	88.59	91.67	7,411.06	-4,503.06	-26.13	898.15	896.53	0.00	364,319.07	600,107.85
8,200.00	88.59	91.67	7,413.52	-4,505.52	-29.04	998.08	996.50	0.00	364,316.16	600,207.78
8,300.00	88.59	91.67	7,415.98	-4,507.98	-31.95	1,098.01	1,096.47	0.00	364,313.25	600,307.71
8,400.00	88.59	91.67	7,418.44	-4,510.44	-34.87	1,195.93	1,196.44	0.00	364,310.33	600,407.63



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: OGX Resources
Project: Eddy County (NAD27)
Site: Sidewinder
Well: 11H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Site Sidewinder
TVD Reference: Silver Oak #11 @ 2908.00usft (Original Well Elev)
ND Reference: Silver Oak #11 @ 2908.00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Asl (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,500.00	88.59	91.67	7,420.90	-4,512.90	-37.78	1,295.86	1,296.41	0.00	364,307.42	800,507.56
8,600.00	88.59	91.67	7,423.36	-4,515.36	-40.89	1,295.79	1,296.38	0.00	364,304.51	800,507.49
8,700.00	88.59	91.67	7,425.82	-4,517.82	-43.81	1,495.72	1,496.35	0.00	364,301.59	800,707.42
8,800.00	88.59	91.67	7,428.28	-4,520.28	-46.52	1,595.84	1,596.32	0.00	364,298.68	800,807.34
8,900.00	88.59	91.67	7,430.74	-4,522.74	-49.43	1,695.57	1,696.29	0.00	364,295.77	800,907.27
9,000.00	88.59	91.67	7,433.20	-4,525.20	-52.35	1,795.50	1,796.26	0.00	364,292.85	801,007.20
9,100.00	88.59	91.67	7,435.67	-4,527.67	-55.26	1,895.42	1,896.23	0.00	364,289.94	801,107.12
9,200.00	88.59	91.67	7,438.13	-4,530.13	-58.17	1,995.35	1,996.20	0.00	364,287.03	801,207.05
9,300.00	88.59	91.67	7,440.59	-4,532.59	-61.09	2,095.28	2,096.17	0.00	364,284.11	801,306.98
9,400.00	88.59	91.67	7,443.05	-4,535.05	-64.00	2,195.21	2,196.14	0.00	364,281.20	801,406.91
9,500.00	88.59	91.67	7,445.51	-4,537.51	-66.92	2,295.13	2,296.11	0.00	364,278.28	801,506.83
9,600.00	88.59	91.67	7,447.97	-4,539.97	-69.83	2,395.06	2,396.08	0.00	364,275.37	801,606.76
9,700.00	88.59	91.67	7,450.43	-4,542.43	-72.74	2,494.99	2,496.05	0.00	364,272.46	801,706.69
9,800.00	88.59	91.67	7,452.89	-4,544.89	-75.66	2,594.92	2,596.02	0.00	364,269.54	801,806.62
9,900.00	88.59	91.67	7,455.35	-4,547.35	-78.57	2,694.84	2,695.99	0.00	364,266.63	801,906.54
10,000.00	88.59	91.67	7,457.81	-4,549.81	-81.48	2,794.77	2,795.96	0.00	364,263.72	802,006.47
10,100.00	88.59	91.67	7,460.27	-4,552.27	-84.40	2,894.70	2,895.93	0.00	364,260.80	802,106.40
10,200.00	88.59	91.67	7,462.73	-4,554.73	-87.31	2,994.62	2,995.90	0.00	364,257.89	802,206.32
10,300.00	88.59	91.67	7,465.19	-4,557.19	-90.22	3,094.55	3,095.87	0.00	364,254.98	802,306.25
10,400.00	88.59	91.67	7,467.65	-4,559.65	-93.14	3,194.48	3,195.84	0.00	364,252.06	802,406.18
10,500.00	88.59	91.67	7,470.11	-4,562.11	-96.05	3,294.41	3,295.81	0.00	364,249.15	802,506.11
10,600.00	88.59	91.67	7,472.58	-4,564.58	-98.96	3,394.33	3,395.78	0.00	364,246.24	802,606.03
10,700.00	88.59	91.67	7,475.04	-4,567.04	-101.88	3,494.26	3,495.75	0.00	364,243.32	802,705.96
10,800.00	88.59	91.67	7,477.50	-4,569.50	-104.79	3,594.19	3,595.72	0.00	364,240.41	802,805.89
10,900.00	88.59	91.67	7,479.96	-4,571.96	-107.70	3,694.12	3,695.68	0.00	364,237.50	802,905.82
11,000.00	88.59	91.67	7,482.42	-4,574.42	-110.62	3,794.04	3,795.65	0.00	364,234.58	803,005.74
11,100.00	88.59	91.67	7,484.88	-4,576.88	-113.53	3,893.97	3,895.62	0.00	364,231.67	803,105.67



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

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

Local Co-ordinate Reference: Site Sidewinder
TVD Reference: Silver Oak #11 @ 2908.00usft (Original Well Elev)
MD Reference: Silver Oak #11 @ 2908.00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

SD	Inc	Ad	TVD	TVDSS	N/S	EW	V. Sec	DLeg	Northing	Eastng
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(usft)	(usft)
11,200.00	88.59	91.67	7,487.34	-4,579.34	-118.44	3,983.90	3,985.59	0.00	364,228.76	603,205.60
11,300.00	88.59	91.67	7,489.80	-4,581.80	-119.36	4,083.82	4,085.56	0.00	364,225.84	603,305.52
11,400.00	88.59	91.67	7,492.26	-4,584.26	-122.27	4,183.75	4,185.53	0.00	364,222.93	603,405.45
11,500.00	88.59	91.67	7,494.72	-4,586.72	-125.18	4,283.68	4,285.50	0.00	364,220.02	603,505.38
11,600.00	88.59	91.67	7,497.18	-4,589.18	-128.10	4,383.61	4,385.47	0.00	364,217.10	603,605.31
11,704.87	88.59	91.67	7,499.76	-4,591.76	-131.15	4,483.40	4,500.31	0.00	364,214.05	603,710.18
PBML (SW1)										

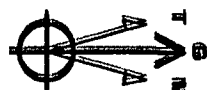
Checked By: _____ Approved By: _____ Date: _____



Project: Eddy County (WADZ)
Site: Sideroad
Well: #1H
Wellbore: OH
Plan: Plan #1 (PHOH)

WELL DETAILS: PHH

Ground Elevation: 2480.00
Well Elevation: 2480.00
Well Name: Oghishwell Bore
Northings: 2480.00
Eastings: 2480.00
Uplifts: 130' of 4.50" N
Longitudinal: 130' of 4.50" N
Slope: 130' of 4.50" N



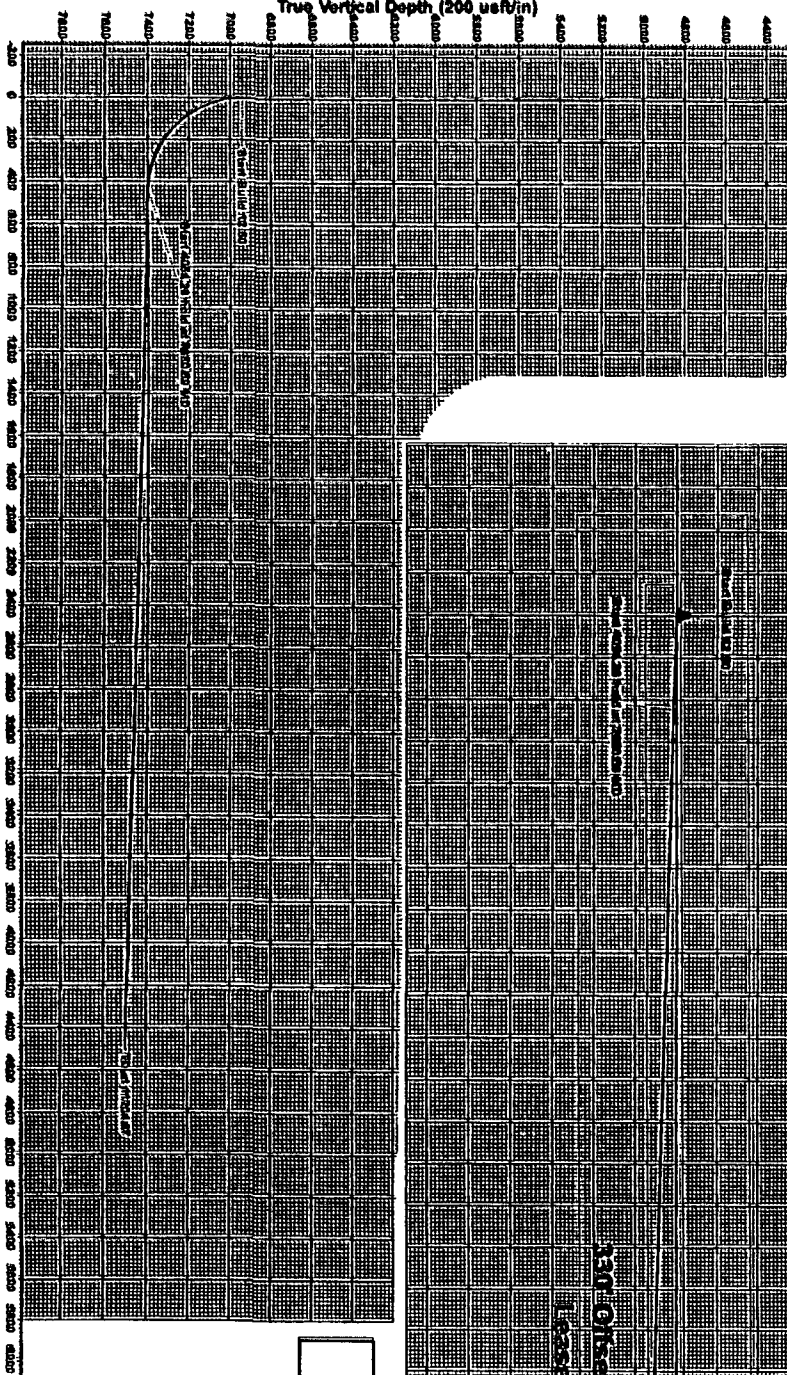
Declination to Grid North
True North: 0.00°
Magnetic North: 7.64°
Magnetic Field
Strength: 4830 Gauss
Dip Angle: 88.67°
Date: 01/14/2001
Model: 150F20010

Well: (Eddy) (200 usf/in)

SECTION DETAILS									
WAD	Inc	Adj	TYND	WAD	WAD	WAD	WAD	WAD	WAD
0.00	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	0.00
7680.80	88.28	91.67	7400.00	0.00	0.00	0.00	0.00	0.00	0.00
11764.87	88.28	91.67	7400.00	0.00	0.00	0.00	0.00	0.00	0.00

PATHFINDER
A Schlumberger Company

True Vertical Depth (200 usf/in)



South (-) North (+) (200 usf/in)

WELLBORE TEMPERATURE DETAILS (WADZ)

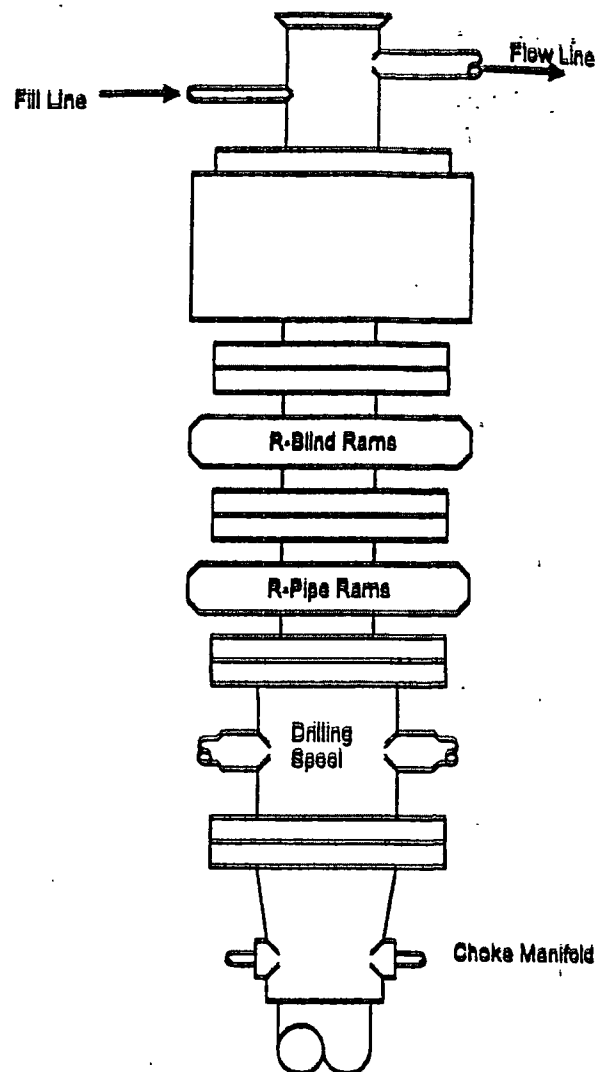
Name	THD	WAD	WAD	WAD	WAD	WAD	WAD	WAD	WAD
TEMP. (WAD)	7400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROJECT DETAILS: Eddy County (WADZ)
Geologic System: US State Plaza 1827 (Ewart section)
Location: NAD 1927 (NADCON CONUS)
Elevation: 2480.00
Zone: New Mexico East 2001
System Details: New Mexico East
Local North: 0.00

Created By: Mike Bingham Date: 01/28/2001
Checked: _____ Date: _____

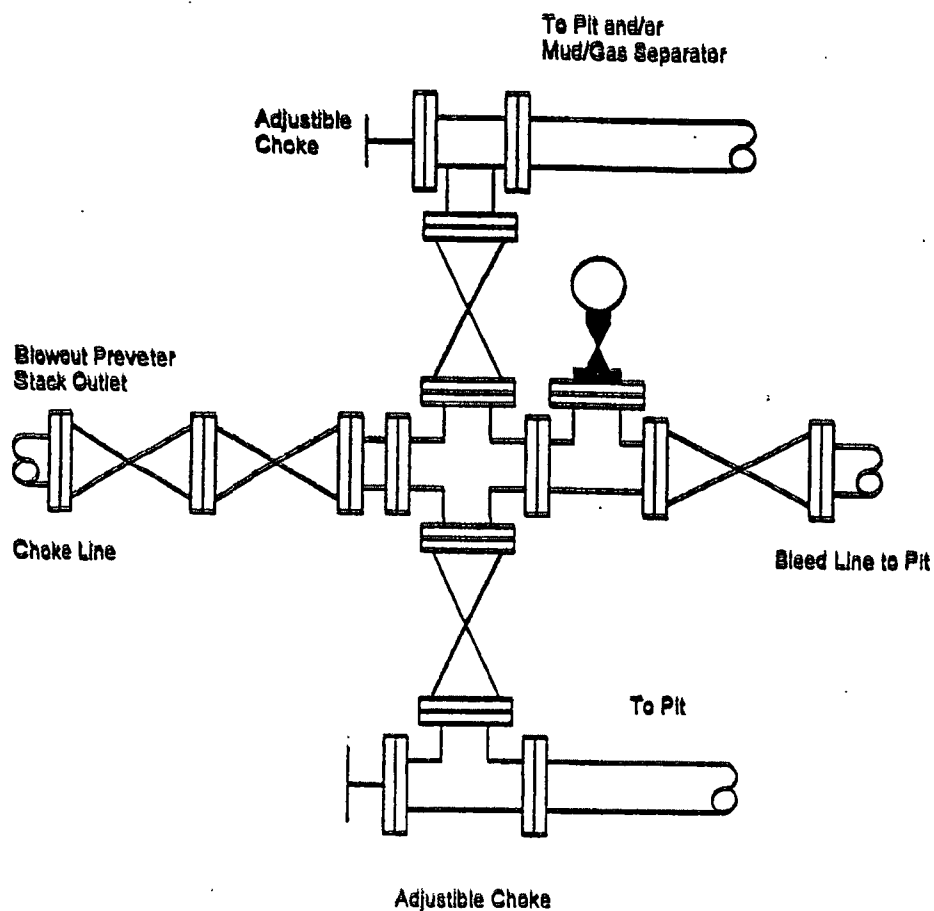
BLOWOUT PREVENTER SYSTEM

3000 PSI



Type 900 SERIES
3000 PSI WP

Choke Manifold Assembly for 5M WP System



DISTRICT I
1025 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 and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38500	Pool Code	Pool Name WC -BONE SPRING
Property Code 38510	Property Name SIDEWINDER	Well Number 1H
OGRID No. 217955	Operator Name OGX RESOURCES	Elevation 2889'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	32	26-S	29-E		480	SOUTH	480	WEST	EDDY

Bottom Hole Location If Different From Surface

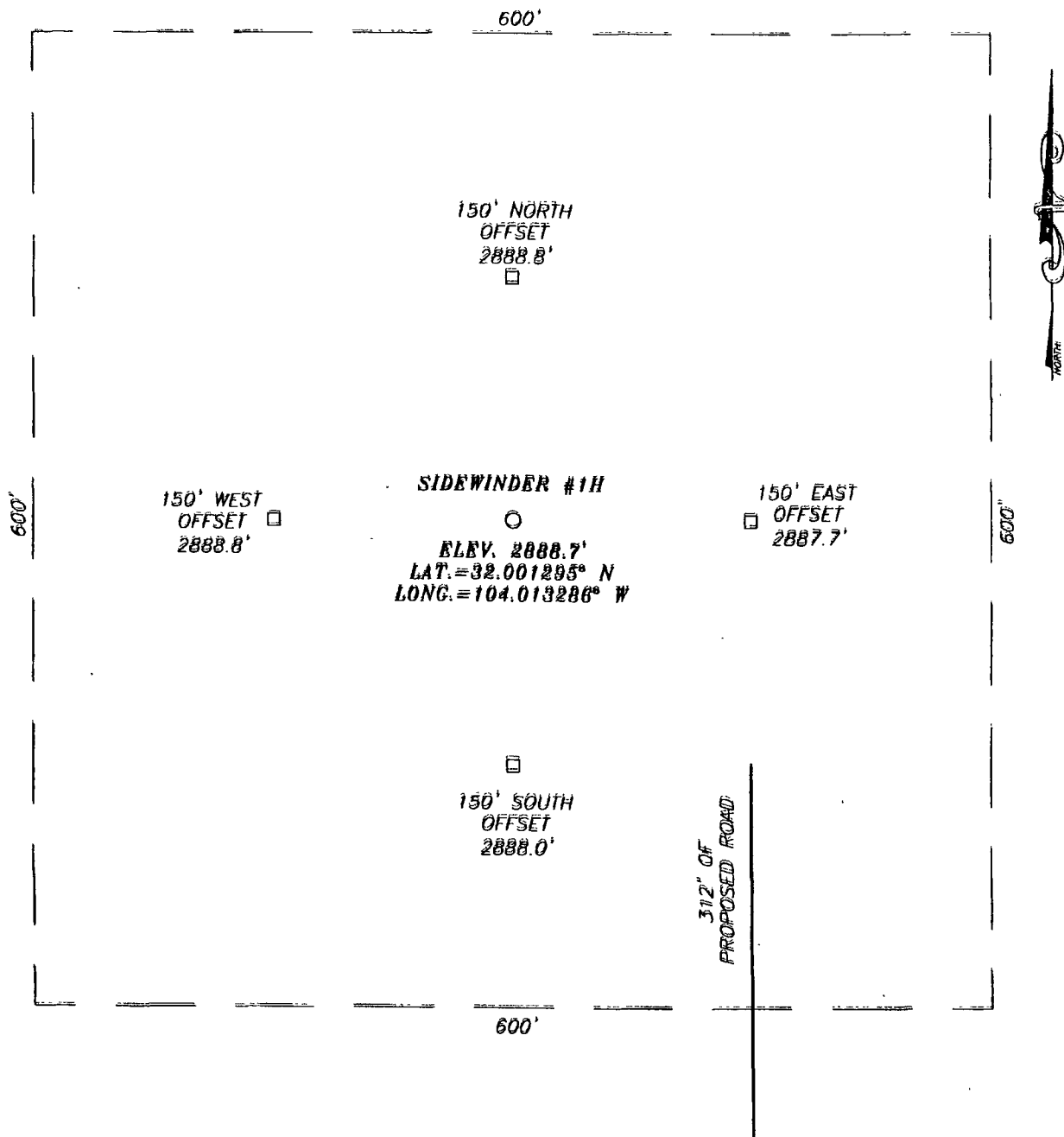
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	32	26-S	29-E		330	SOUTH	330	EAST	EDDY

Dedicated Acres 138	Joint or Infill	Consolidation Code	Order No.
-------------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

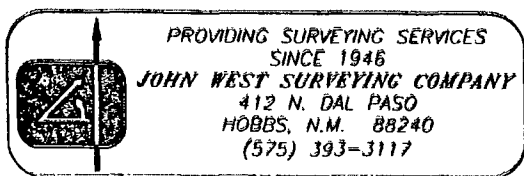
PROJECT AREA PRODUCING AREA LOT 1 LOT 2 LOT 3 LOT 4 S.L. 480' B.H. 330' GRID AZ = 91°40'06" HORIZ. DIST. = 1501.3 POE 474' FSL & 690' FWL GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=364345.2 N X=599211.7 E LAT. = 32.001295° N LONG. = 104.013286° W BOTTOM HOLE LOCATION Y=364214.1 N X=603710.1 E RECEIVED FEB 01 2011 NMCD ARTESIA	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <i>Joe T. Janica</i> Date 01/31/11 Printed Name Joe T. Janica 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. JANUARY 3, 2011 Date Surveyed Signature Professional Surveyor NEW MEXICO GARY EIDSON 10.11.1938 Certificate No. GARY EIDSON 12841 RONALD EIDSON 3230
--	--

SECTION 32, TOWNSHIP 26 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF US HWY. #285 AND
 CO. RD. #726 (CATFISH) GO EAST ON CATFISH ROAD
 FOR APPROX. 1.1 MILES TO A PROPOSED ROAD
 SURVEY. FOLLOW ROAD SURVEY 312 FEET NORTH TO
 THIS LOCATION



OGX RESOURCES

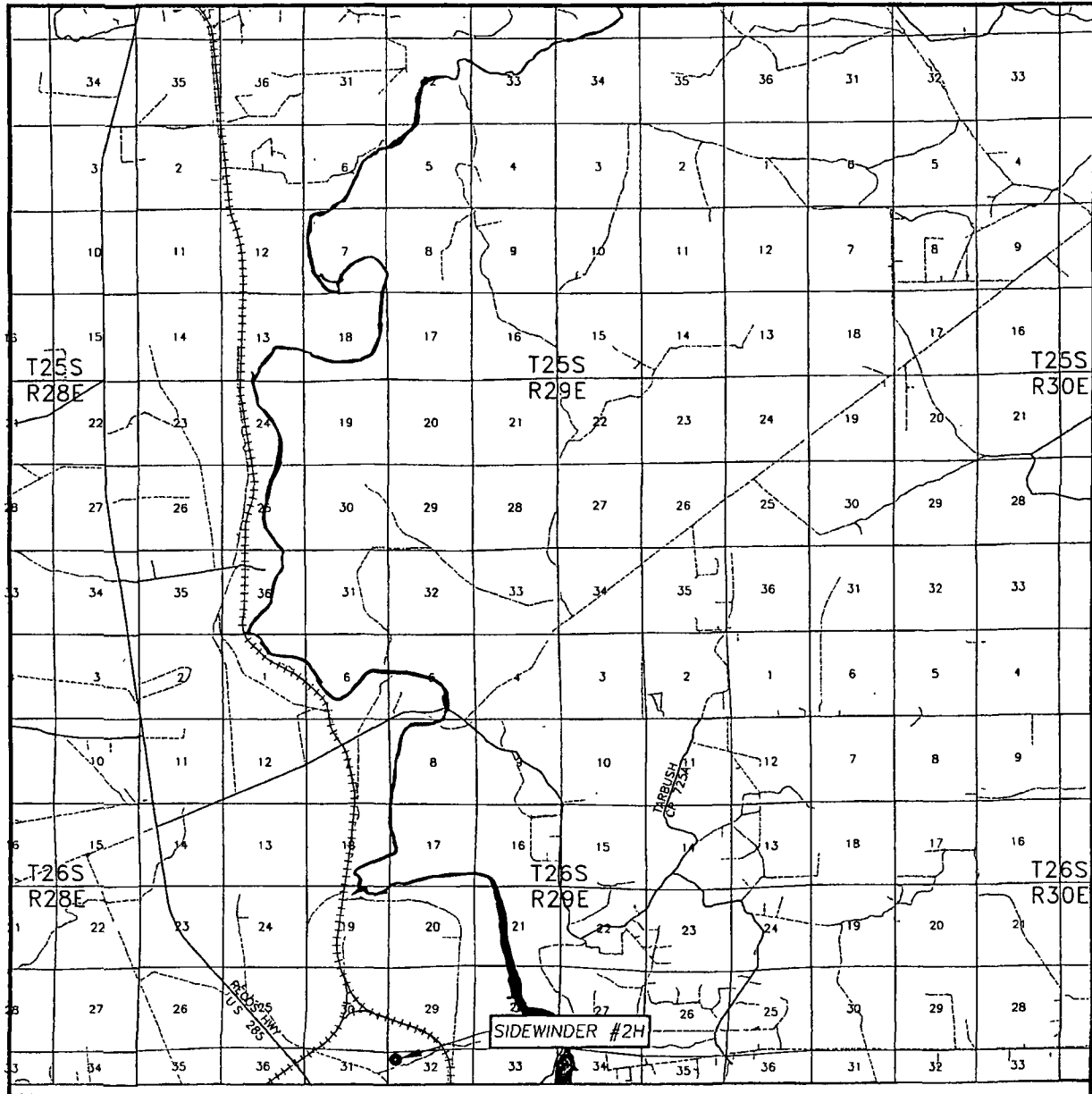
SIDEWINDER #1H
 LOCATED 480 FEET FROM THE SOUTH LINE
 AND 480 FEET FROM THE WEST LINE OF SECTION 32,
 TOWNSHIP 26 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 1/3/11	Sheet 1 of 1 Sheets
W.O. Number: 10 11 1938	Dr By: LA
Date: 1/10/11	10111938
	Scale: 1"=100'



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBBS, N.M. 88240
(575) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 32 TWP. 26-S RGE. 29-E

SURVEY _____ N.M.P.M.

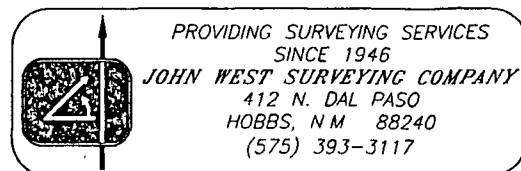
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 480' FNL & 480' FWL

ELEVATION 2894'

OPERATOR OGX RESOURCES

LEASE SIDEWINDER



State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-05-38501	Pool Code ---	Pool Name WC -BONE SPRING
Property Code 38510	Property Name SIDEWINDER	Well Number 2H
OGRID No. 217955	Operator Name OGX RESOURCES	Elevation 2994'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	26-S	29-E		480	NORTH	480	WEST	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
A	32	26-S	29-E		330	NORTH	330	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
138			

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

GRID AZ. = 88° 02' 44"

HORZ. DIST = 4525.1'

680' BOE FWL & 414' FNL

PROJECT AREA

PRODUCING AREA

LOT 1 LOT 2 LOT 3 LOT 4

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=365587.8 N
X=599205.8 E

LAT.=32.004711° N
LONG.=104.013294° W

BOTTOM HOLE LOCATION
Y=365899.8 N
X=603719.0 E

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Joe T. Janica
Signature Date
Joe T. Janica 01/31/11
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.

JANUARY 3, 2011

Date Surveyed
Signature & Seal of Professional Surveyor
Ronald J. Eidson
Professional Surveyor
NEW MEXICO
No. GARY EIDSON 12641
Certificate No. GARY EIDSON 12641
EIDSON 3239

RECEIVED
FEB 01 2011
NMOC ARTESIA