

30-015-37049

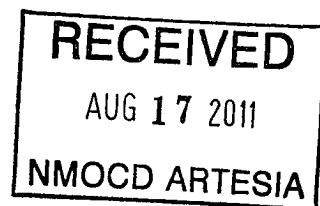
OGX RESOURCES, LLC

Wildcat

Eddy County, NM

Momba "24" Federal #1H

VH - Job #32K0411345



Survey: Actual

SDI Standard Survey Report

20 April, 2011

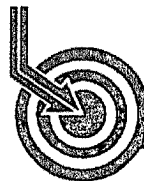
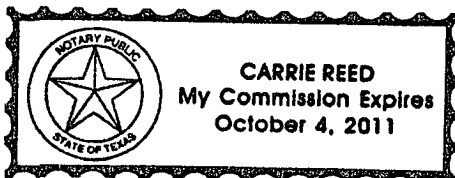
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 17th of May, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling
Directional Drilling Operations

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	OGX RESOURCES, LLC	Local Co-ordinate Reference:	Well Momba "24" Federal #1H
Project:	Wildcat	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Momba "24" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0411345	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0411345	Database:	EDM-Regulatory

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

Site:	Eddy County, NM		
Site Position:		Northing:	376,015 52 usft
From:	Lat/Long	Easting:	592,478 42 usft
Position Uncertainty:	0.0 usft	Slot Radius:	0"
		Latitude:	32° 2' 0 348 N
		Longitude:	104° 2' 5 651 W
		Grid Convergence:	0 16 °

Well:	Momba "24" Federal #1H, Directional (Pathfinder)				
Well Position	+N/-S	0 0 usft	Northing:	376,015 52 usft	Latitude: 32° 2' 0 348 N
	+E/-W	0 0 usft	Easting:	592,478 42 usft	Longitude: 104° 2' 5 651 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level: 0 0 usft

Wellbore:	VH - Job #32K0411345				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/17/2011	7 80	59.93	48,491

Design:		VH - Job #32K0411345		
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0 0	0 0	0 0	179.77

Survey Program	Date	4/20/2011		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100 0	6,500 0	Actual (VH - Job #32K0411345)	KSRG	Keeper Gyro

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0 0	0.00	0.00	0.0	0 0	0 0	0 00	0 0	
100 0	0.86	198 54	100.0	-0 7	-0.2	198 54	0 8	
200 0	0.87	206.69	200 0	-2 1	-0.8	201.28	2 3	
300 0	0.99	191 44	300 0	-3.6	-1.3	200.15	3 9	
400 0	1 32	161 95	400 0	-5 6	-1 1	191.62	5 7	
500 0	2 21	147 01	499 9	-8.3	0.3	178 19	8.3	
600 0	2.32	146 70	599.8	-11 6	2 4	168 19	11 8	
700.0	2.06	136 52	699 8	-14 6	4 8	161 89	15.3	
800 0	2 29	144 19	799 7	-17 5	7 2	157 71	18.9	
900 0	2 38	152 73	899.6	-21.0	9.3	156.10	22 9	
1,000 0	2 05	153 08	999.5	-24 4	11 1	155 63	26 8	
1,100.0	1 78	152.56	1,099.5	-27 4	12 6	155 32	30 1	

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Well:	Momba "24" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0411345	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0411345	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
1,200.0	1.76	152.60	1,199.4	-30.1	14.0	155.07	33.2	
1,300.0	1.28	156.02	1,299.4	-32.5	15.2	154.99	35.9	
1,400.0	1.26	154.57	1,399.4	-34.5	16.1	155.01	38.1	
1,500.0	0.98	128.46	1,499.3	-36.1	17.2	154.45	40.0	
1,600.0	0.78	137.78	1,599.3	-37.1	18.4	153.66	41.4	
1,700.0	0.78	143.13	1,699.3	-38.1	19.2	153.25	42.7	
1,800.0	0.78	164.35	1,799.3	-39.3	19.8	153.26	44.0	
1,900.0	0.86	168.55	1,899.3	-40.7	20.2	153.67	45.4	
2,000.0	1.67	112.54	1,999.3	-42.0	21.6	152.75	47.3	
2,100.0	2.69	103.62	2,099.2	-43.1	25.3	149.63	50.0	
2,200.0	2.76	113.00	2,199.1	-44.6	29.8	146.29	53.6	
2,300.0	3.75	108.47	2,298.9	-46.6	35.1	143.02	58.3	
2,400.0	4.51	106.69	2,398.7	-48.8	42.0	139.29	64.3	
2,500.0	3.88	102.51	2,498.4	-50.6	49.0	135.92	70.5	
2,600.0	3.08	102.42	2,598.2	-51.9	55.0	133.39	75.6	
2,700.0	2.10	99.24	2,698.1	-52.8	59.4	131.65	79.5	
2,800.0	2.04	99.62	2,798.0	-53.4	62.9	130.31	82.5	
2,900.0	1.61	94.73	2,898.0	-53.8	66.1	129.15	85.2	
3,000.0	1.54	93.45	2,998.0	-54.0	68.8	128.12	87.5	
3,100.0	1.27	93.91	3,097.9	-54.2	71.3	127.23	89.5	
3,200.0	1.13	84.61	3,197.9	-54.2	73.4	126.43	91.2	
3,300.0	0.89	87.98	3,297.9	-54.0	75.1	125.72	92.5	
3,400.0	0.93	92.49	3,397.9	-54.0	76.7	125.16	93.8	
3,500.0	0.66	94.29	3,497.9	-54.1	78.1	124.72	95.0	
3,600.0	0.36	100.44	3,597.9	-54.2	79.0	124.47	95.8	
3,700.0	0.42	110.08	3,697.9	-54.4	79.6	124.34	96.5	
3,800.0	0.40	126.85	3,797.9	-54.7	80.3	124.29	97.2	
3,900.0	0.28	118.54	3,897.9	-55.1	80.8	124.29	97.7	
4,000.0	0.24	135.99	3,997.9	-55.3	81.1	124.30	98.2	
4,100.0	0.43	166.62	4,097.9	-55.8	81.4	124.47	98.7	
4,200.0	0.49	179.18	4,197.9	-56.6	81.4	124.82	99.2	
4,300.0	0.50	169.64	4,297.8	-57.5	81.5	125.19	99.8	
4,400.0	0.61	186.45	4,397.8	-58.5	81.6	125.63	100.3	
4,500.0	0.55	175.40	4,497.8	-59.5	81.5	126.11	100.9	
4,600.0	0.51	164.36	4,597.8	-60.4	81.7	126.47	101.6	
4,700.0	0.66	138.43	4,697.8	-61.2	82.2	126.69	102.5	
4,800.0	0.77	157.00	4,797.8	-62.3	82.8	126.94	103.6	
4,900.0	1.11	157.40	4,897.8	-63.8	83.5	127.39	105.1	
5,000.0	1.07	162.89	4,997.8	-65.6	84.1	127.94	106.7	
5,100.0	0.99	173.72	5,097.8	-67.3	84.5	128.55	108.0	
5,200.0	0.87	169.42	5,197.8	-68.9	84.7	129.13	109.2	
5,300.0	0.96	160.74	5,297.7	-70.5	85.1	129.62	110.5	
5,400.0	1.09	167.23	5,397.7	-72.2	85.6	130.14	112.0	
5,500.0	1.08	163.14	5,497.7	-74.0	86.1	130.68	113.5	

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Well:	Momba "24" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0411345	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0411345	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.0	1.33	171.80	5,597.7	-76.1	86.5	131.31	115.2
5,700.0	1.23	176.59	5,697.7	-78.3	86.8	132.06	116.9
5,800.0	1.27	175.74	5,797.6	-80.5	86.9	132.79	118.4
5,900.0	1.18	170.06	5,897.6	-82.6	87.2	133.45	120.1
6,000.0	1.06	172.04	5,997.6	-84.5	87.5	134.01	121.6
6,100.0	1.25	174.85	6,097.6	-86.5	87.7	134.61	123.2
6,200.0	1.31	169.76	6,197.6	-88.7	88.0	135.23	125.0
6,300.0	1.08	170.44	6,297.5	-90.8	88.4	135.77	126.7
6,400.0	1.22	171.87	6,397.5	-92.8	88.7	136.29	128.3
6,500.0	0.88	224.96	6,497.5	-94.4	88.3	136.91	129.2



Scientific Drilling
Directional Drilling Operations

Project: Wildcat
Eddy County, NM
Well: Momba "24" Federal #1H
Wellbore: VH - Job #32K0411345
Design: VH - Job #32K0411345

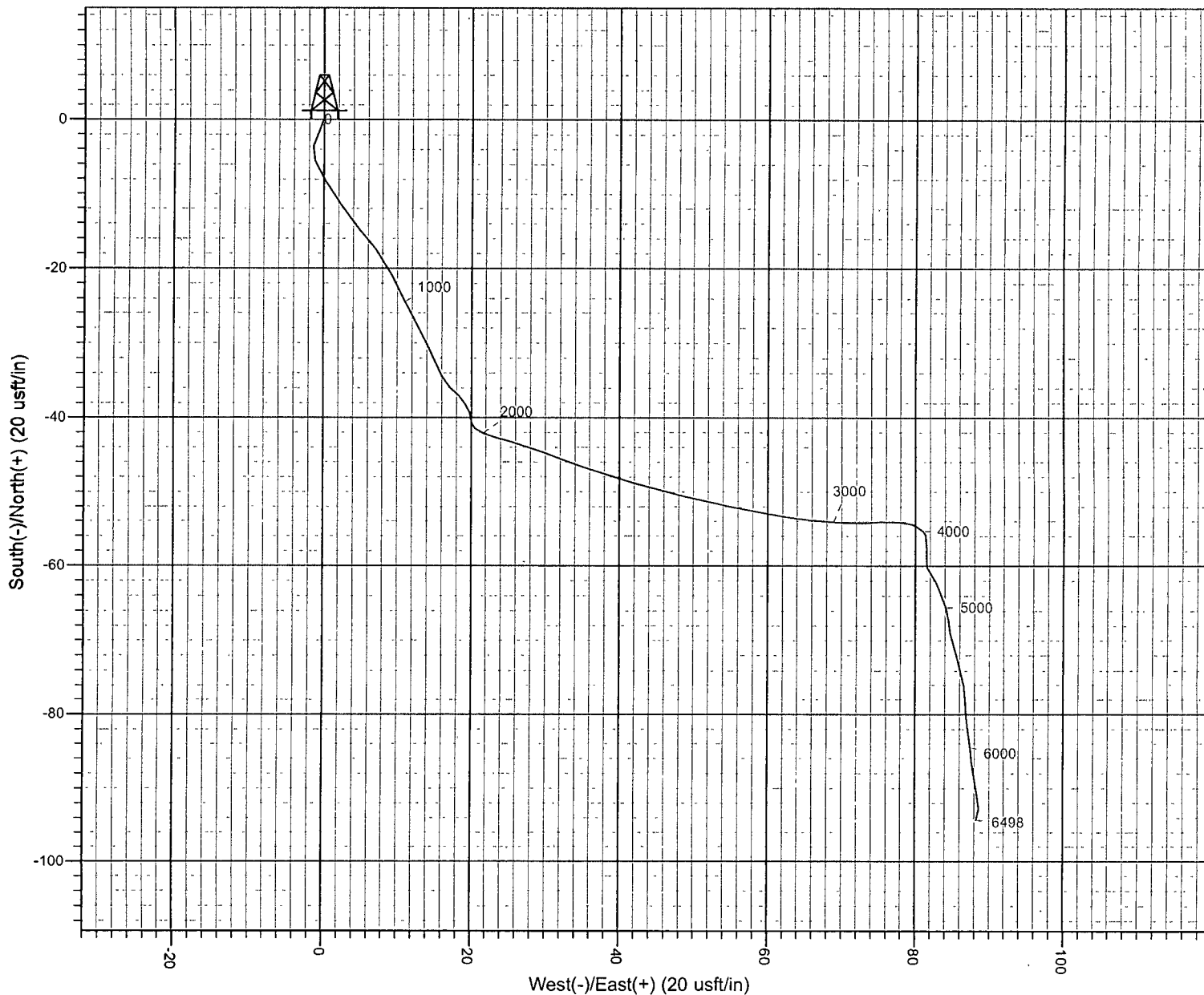


Azimuths to Grid North
True North -0 16°
Magnetic North 7 65°
Magnetic Field
Strength 48490 Gs/T
Dip Angle 59 93°
Date: 4/17/2011
Model IGRF2010

WELL DETAILS: Momba "24" Federal #1H
WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	376015.52	592478.42	32° 2' 0.348 N	104° 2' 5.651 W	



PROJECT DETAILS: Wildcat
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

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 2' 0.348 N
Longitude: 104° 2' 5.651 W
Positional Uncertainty: 0.0
Convergence: 0.16
Local North: Grid