

OGX RESOURCES, LLC

Wildcat

Eddy County, NM

Copperhead "31" Federal Com #1H

VH - Job #32K0511438

30-015-38532

RECEIVED

SEP 13 2011

NMOCD ARTESIA

Survey: Actual

SDI Standard Survey Report

28 May, 2011

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

[Signature]

Notarized this date 17th of June, 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 Copperhead "31" Federal Com #1H
Project:	Wildcat	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Copperhead "31" Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0511438	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0511438	Database:	EDM-Regulatory

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

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

Well:	Copperhead "31" Federal Com #1H, Directional (Schlumberger)					
Well Position	+N-S	0 0 usft	Northing:	364,339 91 usft	Latitude:	32° 0' 4 637 N
	+E-W	0.0 usft	Easting:	598,252 07 usft	Longitude:	104° 0' 58 975 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore	VH - Job #32K0511438				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/12/2011	7 78	59 90	48,466

Design		VH - Job #32K0511438			
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	123 29

Survey Program		Date	5/28/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100 0	6,514 0	Actual (VH - Job #32K0511438)	KSRG	Keeper Gyro	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 0
100 0	0 23	286 74	100 0	0 1	-0 2	286 74	0 2
200 0	0 46	223 49	200 0	-0 2	-0 7	255 12	0 7
300 0	0 27	177 01	300 0	-0 7	-0 9	232 79	1 2
400 0	0 34	93 22	400 0	-1 0	-0 6	212 85	1 1
500 0	0 79	137 90	500 0	-1 5	0 1	174 52	1 5
600 0	1 11	151 51	600 0	-2 8	1 1	159 45	3 0
700 0	1 40	167 43	700 0	-4 9	1 8	159 84	5 2
800 0	1 44	171 13	799 9	-7 3	2 3	162 89	7 7
900 0	1 51	162 64	899 9	-9 8	2 8	163 87	10 2
1,000 0	1 47	152 88	999 9	-12 2	3 8	162 65	12 8
1,100 0	1 45	140 84	1,099 8	-14.3	5 2	160 06	15 3

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Wellbore:	VH - Job #32K0511438	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0511438	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 35	113 20	1,199.8	-15 8	7 1	155 83	17 3
1,300 0	1 20	78 63	1,299 8	-16 0	9 2	150 19	18 5
1,400 0	1 60	55 73	1,399 7	-15 1	11 4	142 93	18 9
1,500 0	1 43	73 77	1,499 7	-13 9	13 7	135 40	19 5
1,600 0	1 07	78 19	1,599 7	-13 4	15 8	130 19	20 7
1,700 0	0 32	34 75	1,699 7	-13 0	16 9	127 46	21 3
1,800 0	0 65	11 30	1,799 7	-12 2	17 2	125 32	21 1
1,900 0	0 91	354 81	1,899 7	-10 8	17 2	122 16	20 3
2,000 0	1 79	48 08	1,999 6	-9 0	18 3	116 15	20 4
2,100 0	1 86	62 90	2,099 6	-7 2	20 9	109 01	22 1
2,200 0	1 83	60 99	2,199 5	-5 7	23 8	103 48	24 4
2,300 0	2 61	75 51	2,299 5	-4 4	27 4	99 04	27 7
2,400 0	2 68	79 93	2,399 4	-3 4	31 9	96 04	32 0
2,500 0	1 86	76 85	2,499 3	-2 6	35 7	94 15	35 8
2,600 0	0 98	64 49	2,599 2	-1 9	38 1	92 79	38.1
2,700 0	0 73	54 93	2,699 2	-1 1	39 4	91 63	39 4
2,800 0	0 64	42 80	2,799.2	-0.3	40 3	90 49	40 3
2,900 0	0 62	38 04	2,899 2	0 5	41 0	89 32	41.0
3,000 0	0 46	20 98	2,999 2	1 3	41 5	88.22	41 5
3,100 0	0 44	18 21	3,099 2	2 0	41 7	87 22	41.8
3,200 0	0 42	358 43	3,199 2	2 8	41 9	86 23	41 9
3,300 0	0 36	344 89	3,299 2	3 4	41 8	85 30	41 9
3,400 0	0 38	351 12	3,399 2	4 1	41 6	84 43	41 8
3,500 0	0 30	329 68	3,499 2	4 6	41 4	83 65	41 7
3,600 0	0 36	323 46	3,599.2	5 1	41 1	82 94	41 4
3,700 0	0 48	310 66	3,699 2	5 6	40 6	82 13	41 0
3,800 0	0 52	306 47	3,799 2	6 2	39 9	81 23	40 4
3,900 0	0 47	310.28	3,899 2	6 7	39 3	80 32	39 8
4,000 0	0 49	292 08	3,999 2	7.1	38 6	79 53	39 2
4,100 0	0 45	262 68	4,099 2	7 2	37 8	79 16	38 5
4,200.0	0 55	242 17	4,199 2	7 0	37 0	79 34	37 6
4,300.0	0 50	238 21	4,299 2	6 5	36 2	79.80	36 7
4,400 0	0 68	238.75	4,399 2	6 0	35 3	80 40	35.8
4,500 0	0 59	253 93	4,499.2	5 5	34 3	80.86	34 7
4,600 0	0 51	257 06	4,599 2	5 3	33 4	81 01	33 8
4,700 0	0 43	302 68	4,699 2	5 4	32 6	80 63	33 0
4,800 0	0 26	225 75	4,799.2	5 4	32.1	80 42	32 6
4,900 0	0 36	191 10	4,899 2	5 0	31 9	81 17	32 3
5,000 0	0 41	189 46	4,999 2	4 3	31 8	82 31	32 1
5,100 0	0 58	181.27	5,099 1	3 4	31 7	83 82	31 9
5,200 0	0 62	179 39	5,199 1	2 4	31 7	85.69	31 8
5,300 0	0 55	194.07	5,299 1	1 4	31 6	87 50	31 6
5,400 0	0 52	180 82	5,399 1	0 5	31 5	89 16	31 5
5,500 0	0 75	192 80	5,499 1	-0 6	31.3	91 15	31 3

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Project: Wildcat
Site: Eddy County, NM
Well: Copperhead "31" Federal Com #1H
Wellbore: VH - Job #32K0511438
Design: VH - Job #32K0511438

Local Co-ordinate Reference: Well Copperhead "31" Federal Com #1H
TVD Reference: WELL @ 0.0usft (Original Well Elev)
MD Reference: WELL @ 0.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	0.74	187.16	5,599.1	-1.9	31.1	93.51	31.2
5,700.0	0.86	175.63	5,699.1	-3.3	31.1	96.06	31.2
5,800.0	1.08	175.18	5,799.1	-5.0	31.2	99.08	31.6
5,900.0	1.17	177.74	5,899.1	-6.9	31.3	102.50	32.1
6,000.0	1.30	182.71	5,999.1	-9.1	31.3	106.20	32.6
6,100.0	1.23	179.19	6,099.0	-11.3	31.3	109.87	33.3
6,200.0	1.16	184.18	6,199.0	-13.4	31.2	113.21	34.0
6,300.0	1.27	203.00	6,299.0	-15.4	30.7	116.66	34.4
6,400.0	1.07	205.92	6,399.0	-17.3	29.9	120.04	34.5
6,500.0	1.60	267.44	6,498.9	-18.2	28.1	122.93	33.4
6,514.0	1.36	268.52	6,512.9	-18.2	27.7	123.29	33.1



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Wellbore: VH - Job #32K0511438
Design: VH - Job #32K0511438



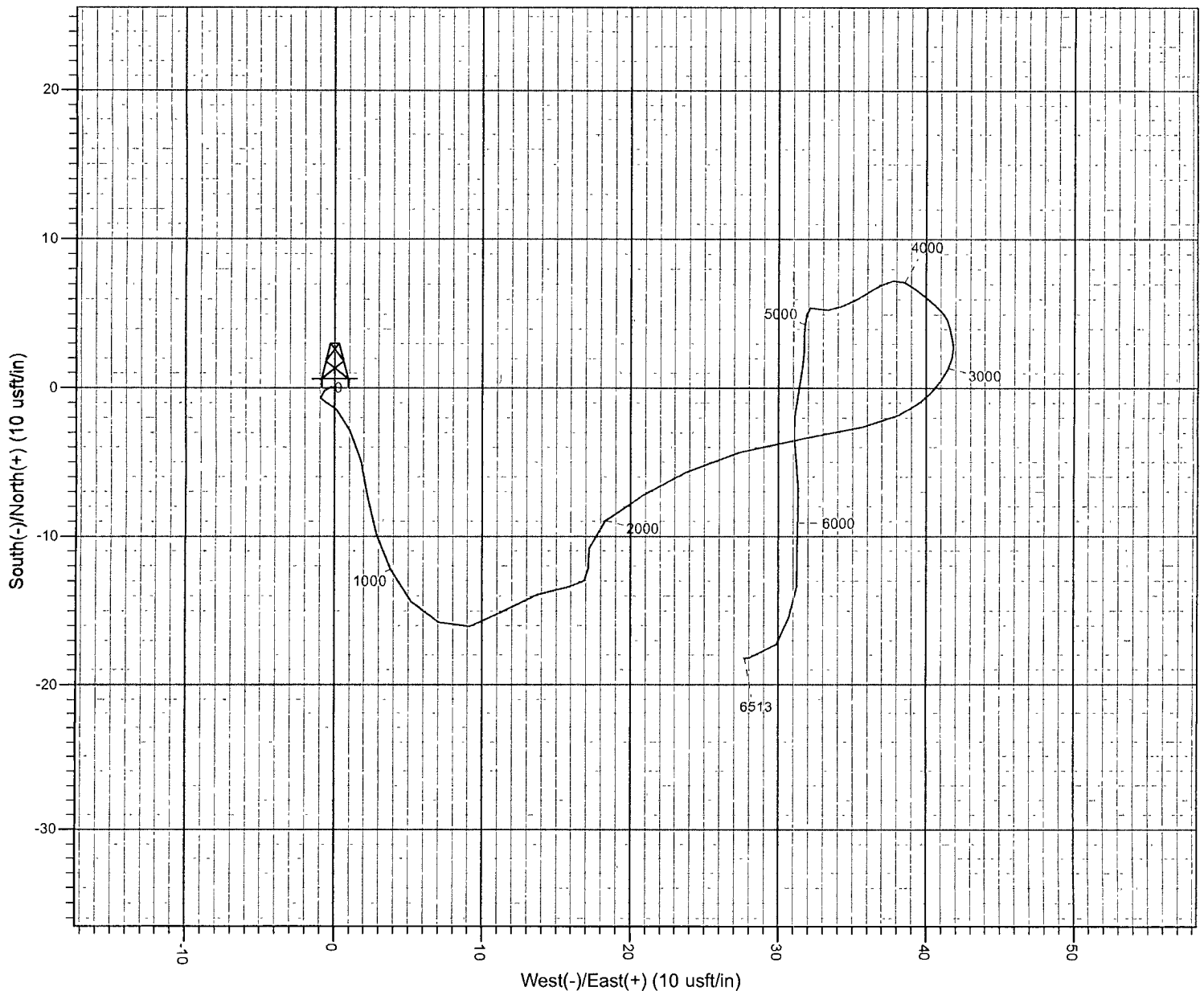
Azimuths to Grid North
True North -0 17°
Magnetic North 7 62°

Magnetic Field
Strength 48466 4snT
Dip Angle 59 90°
Date 5/12/2011
Model IGRF2010

WELL DETAILS: Copperhead "31" Federal Com #1H
WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	364339.91	598252.07	32° 0' 4.637 N	104° 0' 58.975 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