

Scientific Drilling

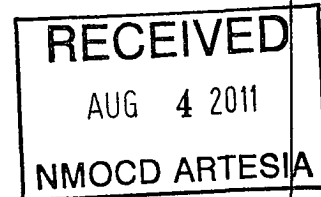
Gyroscopic Survey Report
for
OGX RESOURCES

30-015-37749

Well Location	EDDY COUNTY, NEW MEXICO
Well Name	COOPER 31 FEDERAL # 3 H
Rig Name	SILVER OAK 11
Survey Date	1/29/2011
Latitude	32.09 deg
North Reference	Grid North
Grid Correction	-0.17 deg
Depth Reference	RKB
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 269.53Azim (deg)
Definitive Survey	FINAL GYRO SURVEY
Operator	FRANK RENTERIA

Comments

17 FOOT KB



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Well Name:		COOPER 31 FEDERAL # 3 H							
Survey:		FINAL GYRO SURVEY							
Survey Date:		1/29/2011							
MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.21	273.43	100.00	0.18	0.01	-0.18	0.21	0.18	273.43
200.00	0.51	230.37	200.00	0.71	-0.26	-0.70	0.39	0.75	249.49
300.00	0.52	206.95	299.99	1.26	-0.95	-1.25	0.21	1.58	232.70
400.00	0.57	203.20	399.99	1.67	-1.82	-1.66	0.06	2.46	222.31
500.00	0.52	223.02	499.98	2.18	-2.61	-2.16	0.20	3.39	219.64
600.00	0.88	243.78	599.98	3.18	-3.28	-3.15	0.43	4.55	223.91
700.00	0.97	236.80	699.96	4.58	-4.08	-4.54	0.14	6.10	228.12
800.00	1.42	223.12	799.94	6.14	-5.44	-6.10	0.53	8.17	228.26
900.00	1.48	216.30	899.91	7.77	-7.38	-7.71	0.18	10.67	226.23
1000.00	1.60	213.36	999.87	9.31	-9.59	-9.24	0.14	13.31	223.93
1100.00	1.73	212.95	1099.83	10.92	-12.02	-10.82	0.13	16.17	222.01
1200.00	2.03	220.05	1199.78	12.90	-14.64	-12.78	0.38	19.43	221.13
1300.00	2.17	218.93	1299.71	15.25	-17.46	-15.11	0.15	23.09	220.87
1400.00	2.15	213.05	1399.64	17.49	-20.51	-17.32	0.22	26.85	220.19
1500.00	2.03	213.18	1499.57	19.51	-23.57	-19.32	0.12	30.48	219.34
1600.00	1.51	222.09	1599.53	21.39	-26.03	-21.17	0.59	33.56	219.12
1700.00	0.98	222.63	1699.50	22.86	-27.64	-22.64	0.53	35.73	219.32
1800.00	0.90	223.02	1799.49	23.99	-28.84	-23.75	0.08	37.36	219.47
1900.00	0.93	220.25	1899.48	25.06	-30.04	-24.81	0.06	38.96	219.56
2000.00	1.04	220.38	1999.46	26.18	-31.35	-25.93	0.11	40.68	219.59
2100.00	0.49	185.41	2099.45	26.82	-32.47	-26.56	0.70	41.95	219.28
2200.00	1.48	112.37	2199.44	25.67	-33.39	-25.40	1.42	41.95	217.26
2300.00	1.47	105.07	2299.41	23.25	-34.22	-22.97	0.19	41.21	213.87
2400.00	2.32	99.04	2399.35	20.02	-34.87	-19.73	0.87	40.06	209.51
2500.00	3.09	94.75	2499.24	15.34	-35.41	-15.05	0.80	38.47	203.02
2600.00	3.79	97.05	2599.06	9.38	-36.04	-9.08	0.71	37.16	194.14
2700.00	2.95	95.02	2698.88	3.54	-36.67	-3.24	0.85	36.81	185.06
2800.00	2.11	90.45	2798.79	-0.85	-36.91	1.15	0.86	36.92	178.21
2900.00	1.86	87.92	2898.73	-4.31	-36.86	4.61	0.26	37.15	172.87
3000.00	1.73	85.54	2998.68	-7.44	-36.69	7.74	0.14	37.49	168.08
3100.00	1.76	81.01	3098.63	-10.47	-36.33	10.77	0.14	37.89	163.49
3200.00	1.65	77.70	3198.59	-13.40	-35.78	13.70	0.15	38.31	159.05
3300.00	1.45	85.20	3298.55	-16.07	-35.37	16.36	0.29	38.97	155.18
3400.00	1.19	82.04	3398.52	-18.36	-35.12	18.65	0.26	39.76	152.03
3500.00	0.91	86.23	3498.51	-20.18	-34.92	20.47	0.30	40.48	149.63
3600.00	0.84	88.46	3598.49	-21.70	-34.85	21.99	0.08	41.21	147.75
3700.00	0.80	101.31	3698.48	-23.12	-34.97	23.40	0.19	42.08	146.21
3800.00	0.55	80.70	3798.48	-24.28	-35.03	24.56	0.35	42.78	144.96

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ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
3900.00	0.56	75.15	3898.47	-25.22	-34.83	25.51	0.05	43.17	143.78
4000.00	0.48	75.80	3998.47	-26.11	-34.60	26.39	0.08	43.51	142.66
4100.00	0.35	72.19	4098.47	-26.81	-34.40	27.09	0.14	43.79	141.78
4200.00	0.36	79.94	4198.46	-27.40	-34.25	27.68	0.05	44.04	141.06
4300.00	0.17	134.87	4298.46	-27.81	-34.31	28.09	0.29	44.34	140.69
4400.00	0.27	158.40	4398.46	-28.00	-34.63	28.28	0.13	44.71	140.76
4500.00	0.41	179.11	4498.46	-28.08	-35.20	28.37	0.18	45.21	141.13
4600.00	0.40	186.13	4598.46	-28.05	-35.90	28.34	0.05	45.74	141.71
4700.00	0.53	173.06	4698.46	-28.06	-36.70	28.36	0.17	46.38	142.30
4800.00	0.80	163.03	4798.45	-28.31	-37.83	28.62	0.29	47.44	142.89
4900.00	0.80	154.75	4898.44	-28.80	-39.14	29.13	0.12	48.78	143.34
5000.00	0.64	166.71	4998.43	-29.22	-40.32	29.55	0.22	49.99	143.76
5100.00	0.56	169.74	5098.43	-29.43	-41.35	29.77	0.09	50.95	144.24
5200.00	0.79	172.75	5198.42	-29.59	-42.51	29.94	0.23	52.00	144.84
5300.00	0.64	182.81	5298.41	-29.64	-43.75	30.00	0.19	53.05	145.56
5400.00	0.50	185.08	5398.41	-29.57	-44.74	29.94	0.15	53.83	146.21
5500.00	0.62	184.85	5498.40	-29.48	-45.71	29.85	0.13	54.59	146.85
5600.00	0.56	188.86	5598.40	-29.35	-46.73	29.73	0.08	55.38	147.53
5700.00	0.60	192.44	5698.39	-29.15	-47.71	29.55	0.05	56.12	148.23
5800.00	0.65	184.46	5798.38	-28.99	-48.78	29.39	0.10	56.95	148.93
5900.00	0.63	172.69	5898.38	-29.01	-49.89	29.42	0.13	57.92	149.48
6000.00	0.70	177.71	5998.37	-29.09	-51.04	29.51	0.09	58.96	149.96
6100.00	0.72	180.54	6098.36	-29.10	-52.28	29.53	0.04	60.04	150.54
6200.00	0.80	173.44	6198.36	-29.16	-53.60	29.60	0.12	61.24	151.09
6300.00	0.80	170.93	6298.35	-29.34	-54.99	29.79	0.04	62.54	151.55
6400.00	0.87	154.81	6398.33	-29.76	-56.37	30.23	0.25	63.96	151.80
6500.00	0.60	178.75	6498.33	-30.09	-57.59	30.56	0.41	65.20	152.04
6552.00	0.34	174.34	6550.32	-30.11	-58.02	30.59	0.51	65.58	152.20