

Results of Directional Survey

API number:	30-025-41060		
OGRID:		Operator:	COG OPERATING LLC
		Property:	KING COBRA 2 STATE # 2H

surface	ULSTR:	B	02	T 19S	R 34E
				400 FNL	1980 FEL

BH Loc	ULSTR:	O	02	T 19S	R 34E
14947	MD	10733.7	TVD	334 FSL	2088 FEL
				4946 FNL	

Top Perf/OH	ULSTR:	B	02	T 19S	R 34E
10875	MD	10655.6	TVD	879 FNL	2000 FEL

Bot Perf/OH	ULSTR:	O	02	T 19S	R 34E
14906	MD	10736.3	TVD	375 FSL	2088 FEL
				4905 FNL	

	MD	N/S	E/W	VD
	10843	-448.27	-17.62	10646.75
TOP PERFS/OH	10875	-478.92	-20.19	10655.57
	10875	-478.92	-20.19	10655.57
	14905	-4503.79	-107.69	10736.36
BOT PERFS/OH	14906	-4504.79	-107.71	10736.30
	14947	-4545.69	-108.49	10733.65

NEXT TO LAST	14905	-4503.79	-107.69	10736.36
LAST READING	14947	-4545.69	-108.49	10733.65
TD	14947	-4545.69	-108.49	10733.65

Surface Location	400	FN	1980	FE
Projected BHL	4946	FN	2088	FE
Location of				
Top Perfs/OH	879	FN	2000	FE
Bottom Perfs/OH	4905	FN	2088	FE

SUMMARY of Subsurface Locations

Surface Location	B-02-19S-34E	400	FN	1980	FE	Vert. Depth
Top Perfs/OH	B-02-19S-34E	879	FN	2000	FE	10655.57
Bottom Perfs/OH	O-02-19S-34E	4905	FN	2088	FE	10736.30
Projected TD	O-02-19S-34E	4946	FN	2088	FE	10733.65

OCT 30 2013

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

HOBBS OCD

Well Name and Num: King Cobra 2 State 2H
Location: Sec 2, T19S, R34E
Operator: COG
Drilling Contractor: McVay Drilling Company

OCT 29 2013**RECEIVED**

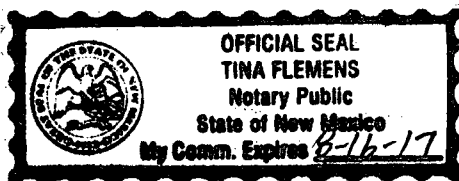
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.60	242	0.40	7074	93.70	14905
0.90	520	0.60	7550		
0.50	930	1.00	8048		
0.70	1213	0.50	8502		
0.60	1500	1.60	9048		
1.00	1849	0.90	9426		
1.00	2205	1.03	9904		
1.00	2487	26.70	10305		
0.30	2774	39.20	10465		
1.50	3069	79.50	10907		
1.90	3377	88.20	11630		
1.30	4313	87.50	12193		
1.50	4759	88.80	12477		
1.10	5302	89.90	13039		
0.03	5646	89.60	13512		
0.90	6089	90.20	13891		
0.40	6585	87.80	14367		

By: Hunter C. [Signature]

Subscribed and sworn to before me this 33rd day of August, 2013

Tina Flemens
Notary Public, Lea County, New Mexico





A GYRO TECHNOLOGIES INC. COMPANY

PO Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

August 16, 2013

HOBBS OCD

OCT 29 2013

RECEIVED

Concho Resources, Inc.
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

Attn: Kanicia Castillo

RE: King Cobra 2 State No. 002H

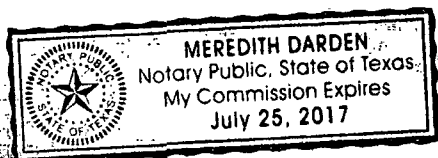
Please find enclosed a copy of the survey from 0.00' to 10,025.00' ran on the above referenced well.

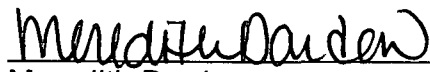
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 16th day of August,
A.D., 2013, by Keith Havelka.




Meredith Darden
Notary Public, State of Texas



Company: COG Operating, LLC (Concho)
 Lease/Well: King Cobra 2 State /No. 002H
 Location: Sec 2 T19S R34E
 Rig Name: McVay #7
 State/County: New Mexico/Lea
 Latitude: 32.70, Longitude: -103.53
 GRID North is 0.43 Degrees East of True North
 VS-Azi: 0.00 Degrees



Depth Reference : RKB 17 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: king cobra 2 state #2h-de_01.ut

Minimum Curvature Method

Report Date/Time: 8/16/2013 / 10:53

Vaughn Energy Services

West, Texas

432-563-5444

Surveyor: Chris Bankson

King Cobra 2 State No. 002H / API 30-025-41060

HOBBS OCD

OCT 29 2013

RECEIVED

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.57	194.45	100.00	-0.48	-0.12	-0.48	0.50	194.45	0.57
200.00	0.72	192.26	199.99	-1.59	-0.38	-1.59	1.63	193.60	0.15
300.00	0.50	193.17	299.99	-2.63	-0.62	-2.63	2.70	193.22	0.22
400.00	0.61	186.69	399.98	-3.59	-0.78	-3.59	3.67	192.27	0.12
500.00	0.70	198.92	499.97	-4.69	-1.04	-4.69	4.81	192.49	0.16
600.00	0.59	203.07	599.97	-5.74	-1.44	-5.74	5.91	194.06	0.12
700.00	0.72	196.73	699.96	-6.81	-1.82	-6.81	7.05	194.95	0.15
800.00	0.59	191.03	799.96	-7.91	-2.10	-7.91	8.19	194.84	0.14
900.00	0.74	179.08	899.95	-9.06	-2.18	-9.06	9.32	193.56	0.20
1000.00	0.71	166.97	999.94	-10.31	-2.04	-10.31	10.51	191.17	0.15
1100.00	0.82	161.05	1099.93	-11.58	-1.66	-11.58	11.70	188.17	0.14
1200.00	0.98	158.28	1199.92	-13.06	-1.11	-13.06	13.11	184.88	0.17
1300.00	1.12	154.31	1299.90	-14.74	-0.37	-14.74	14.74	181.44	0.16
1400.00	0.88	152.24	1399.89	-16.30	0.41	-16.30	16.31	178.55	0.25
1500.00	1.10	156.28	1499.87	-17.86	1.16	-17.86	17.90	176.29	0.23
1600.00	0.63	153.81	1599.86	-19.23	1.78	-19.23	19.32	174.70	0.48
1700.00	1.08	164.15	1699.85	-20.63	2.28	-20.63	20.75	173.69	0.47
1800.00	0.95	169.95	1799.83	-22.34	2.68	-22.34	22.50	173.16	0.16

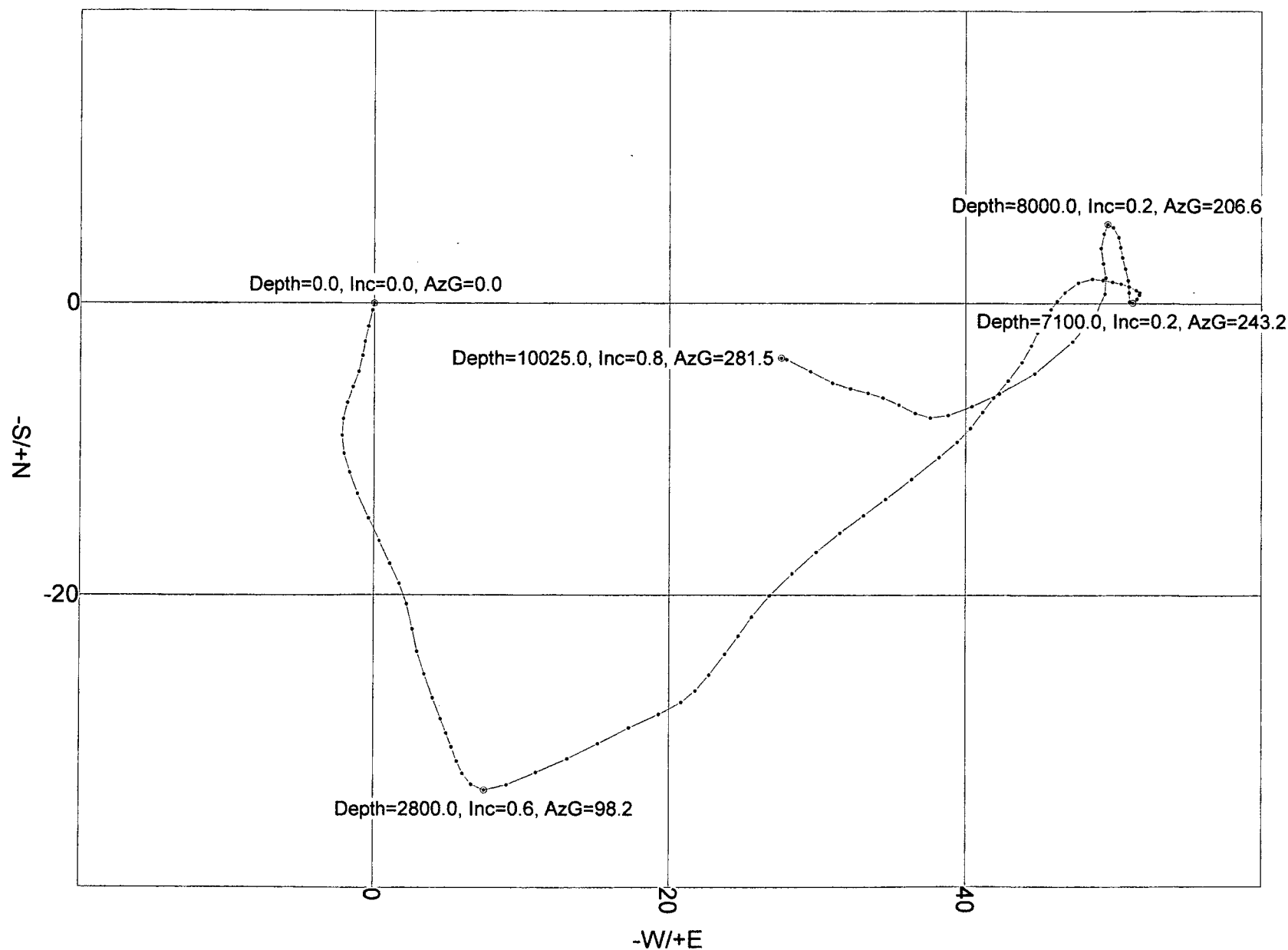
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.84	166.13	1899.82	-23.87	3.00	-23.87	24.06	172.83	0.12
2000.00	1.02	159.46	1999.81	-25.41	3.49	-25.41	25.65	172.18	0.20
2100.00	0.98	161.55	2099.79	-27.05	4.07	-27.05	27.36	171.44	0.05
2200.00	0.76	157.07	2199.78	-28.47	4.60	-28.47	28.84	170.82	0.24
2300.00	0.45	160.38	2299.78	-29.46	4.99	-29.46	29.88	170.39	0.30
2400.00	0.69	160.36	2399.77	-30.40	5.33	-30.40	30.86	170.06	0.24
2500.00	0.50	159.65	2499.77	-31.38	5.68	-31.38	31.89	169.74	0.19
2600.00	0.55	151.38	2599.76	-32.21	6.06	-32.21	32.78	169.34	0.09
2700.00	0.54	132.45	2699.76	-32.95	6.64	-32.95	33.62	168.60	0.18
2800.00	0.61	98.24	2799.75	-33.35	7.52	-33.35	34.19	167.30	0.34
2900.00	1.24	66.64	2899.74	-33.00	9.03	-33.00	34.21	164.69	0.79
3000.00	1.25	66.63	2999.72	-32.13	11.03	-32.13	33.97	161.06	0.01
3100.00	1.42	65.96	3099.69	-31.20	13.16	-31.20	33.86	157.14	0.17
3200.00	1.23	61.15	3199.66	-30.18	15.22	-30.18	33.80	153.24	0.22
3300.00	1.46	63.58	3299.63	-29.10	17.30	-29.10	33.85	149.26	0.24
3400.00	1.10	66.87	3399.61	-28.15	19.32	-28.15	34.15	145.54	0.37
3500.00	0.88	55.19	3499.59	-27.34	20.84	-27.34	34.37	142.69	0.29
3600.00	0.55	42.96	3599.59	-26.55	21.80	-26.55	34.35	140.61	0.37
3700.00	1.07	38.30	3699.58	-25.46	22.70	-25.46	34.11	138.28	0.53
3800.00	0.97	35.30	3799.56	-24.04	23.77	-24.04	33.81	135.32	0.11
3900.00	0.77	35.89	3899.55	-22.80	24.66	-22.80	33.58	132.76	0.20
4000.00	1.04	33.98	3999.54	-21.50	25.56	-21.50	33.40	130.08	0.26
4100.00	1.13	44.06	4099.52	-20.05	26.74	-20.05	33.42	126.86	0.21
4200.00	1.33	46.84	4199.50	-18.55	28.28	-18.55	33.82	123.26	0.21
4300.00	1.18	48.65	4299.47	-17.07	29.90	-17.07	34.43	119.72	0.16
4400.00	1.18	51.66	4399.45	-15.75	31.48	-15.75	35.20	116.57	0.06
4500.00	1.12	55.24	4499.43	-14.55	33.09	-14.55	36.15	113.74	0.10
4600.00	1.03	50.83	4599.41	-13.43	34.59	-13.43	37.10	111.22	0.12
4700.00	1.53	52.89	4699.39	-12.06	36.35	-12.06	38.30	108.35	0.51
4800.00	1.22	49.54	4799.36	-10.56	38.23	-10.56	39.66	105.44	0.33
4900.00	0.61	47.74	4899.35	-9.51	39.43	-9.51	40.56	103.56	0.60
5000.00	0.87	40.69	4999.34	-8.58	40.32	-8.58	41.22	102.01	0.27
5100.00	0.71	32.04	5099.33	-7.47	41.14	-7.47	41.82	100.30	0.19
5200.00	0.71	41.69	5199.32	-6.49	41.88	-6.49	42.38	98.80	0.12
5300.00	1.05	38.83	5299.31	-5.32	42.86	-5.32	43.19	97.07	0.34
5400.00	0.76	32.54	5399.30	-4.05	43.79	-4.05	43.98	95.28	0.30
5500.00	0.74	25.22	5499.29	-2.91	44.42	-2.91	44.52	93.75	0.10
5600.00	0.39	22.56	5599.28	-2.01	44.83	-2.01	44.87	92.57	0.34
5700.00	0.62	30.37	5699.28	-1.22	45.23	-1.22	45.25	91.55	0.24

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.47	33.54	5799.27	-0.41	45.73	-0.41	45.74	90.52	0.16
5900.00	0.34	40.72	5899.27	0.15	46.15	0.15	46.15	89.81	0.13
6000.00	0.57	41.04	5999.27	0.75	46.67	0.75	46.68	89.08	0.23
6100.00	0.74	63.16	6099.26	1.42	47.58	1.42	47.60	88.29	0.30
6200.00	0.41	94.04	6199.26	1.68	48.51	1.68	48.54	88.01	0.44
6300.00	0.42	100.50	6299.25	1.59	49.23	1.59	49.25	88.15	0.05
6400.00	0.31	100.95	6399.25	1.47	49.86	1.47	49.88	88.31	0.11
6500.00	0.37	102.85	6499.25	1.35	50.43	1.35	50.45	88.47	0.06
6600.00	0.32	116.18	6599.25	1.16	50.99	1.16	51.01	88.70	0.10
6700.00	0.29	122.07	6699.25	0.90	51.46	0.90	51.47	89.00	0.04
6800.00	0.04	131.02	6799.25	0.74	51.70	0.74	51.71	89.18	0.25
6900.00	0.14	208.54	6899.25	0.60	51.68	0.60	51.68	89.33	0.14
7000.00	0.24	209.65	6999.25	0.31	51.51	0.31	51.51	89.65	0.10
7100.00	0.24	243.17	7099.24	0.04	51.22	0.04	51.22	89.96	0.14
7200.00	0.19	352.81	7199.24	0.11	51.02	0.11	51.02	89.87	0.35
7300.00	0.52	359.64	7299.24	0.74	50.99	0.74	51.00	89.17	0.33
7400.00	0.43	350.24	7399.24	1.57	50.93	1.57	50.95	88.24	0.12
7500.00	0.53	343.89	7499.23	2.38	50.73	2.38	50.79	87.31	0.11
7600.00	0.37	348.75	7599.23	3.14	50.54	3.14	50.64	86.44	0.16
7700.00	0.45	350.84	7699.23	3.84	50.42	3.84	50.57	85.64	0.08
7800.00	0.36	347.43	7799.23	4.53	50.29	4.53	50.49	84.85	0.09
7900.00	0.54	320.80	7899.22	5.20	49.92	5.20	50.19	84.05	0.27
8000.00	0.20	206.58	7999.22	5.41	49.55	5.41	49.84	83.77	0.65
8100.00	0.60	198.86	8099.22	4.76	49.30	4.76	49.53	84.48	0.40
8200.00	0.56	184.01	8199.21	3.78	49.10	3.78	49.25	85.60	0.15
8300.00	0.66	162.31	8299.21	2.74	49.24	2.74	49.32	86.82	0.25
8400.00	0.49	179.06	8399.20	1.76	49.42	1.76	49.46	87.96	0.24
8500.00	0.78	186.72	8499.20	0.66	49.35	0.66	49.36	89.24	0.30
8600.00	0.94	217.45	8599.19	-0.67	48.77	-0.67	48.78	90.78	0.48
8700.00	1.95	219.63	8699.15	-2.63	47.19	-2.63	47.26	93.19	1.01
8800.00	1.95	238.86	8799.10	-4.81	44.65	-4.81	44.91	96.15	0.65
8900.00	1.22	241.51	8899.06	-6.20	42.27	-6.20	42.72	98.34	0.74
9000.00	1.11	247.95	8999.04	-7.07	40.43	-7.07	41.05	99.92	0.17
9100.00	0.84	250.94	9099.02	-7.68	38.84	-7.68	39.59	101.18	0.28
9200.00	0.60	277.23	9199.02	-7.85	37.62	-7.85	38.43	101.78	0.40
9300.00	0.63	295.47	9299.01	-7.54	36.60	-7.54	37.37	101.65	0.20
9400.00	0.81	298.65	9399.00	-6.97	35.49	-6.97	36.17	101.11	0.18
9500.00	0.56	288.65	9498.99	-6.48	34.41	-6.48	35.01	100.66	0.27
9600.00	0.66	285.95	9598.99	-6.16	33.39	-6.16	33.95	100.46	0.10

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
9700.00	0.75	282.53	9698.98	-5.86	32.20	-5.86	32.73	100.32	0.10
9800.00	0.73	292.29	9798.97	-5.48	30.97	-5.48	31.46	100.03	0.13
9900.00	1.20	301.88	9898.96	-4.68	29.49	-4.68	29.86	99.02	0.50
10000.00	0.88	289.69	9998.94	-3.87	27.88	-3.87	28.15	97.90	0.39
10025.00	0.84	281.53	10023.94	-3.77	27.52	-3.77	27.78	97.80	0.51



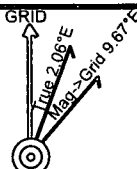
Vaughn Energy Services
West, Texas
432-563-5444
Surveyor: Chris Bankson
King Cobra 2 State No. 002H / API 30-025-41060



VES Survey Date: 08/13/2013

	Job Number:	13-0008	Elevation:	0.00 ft	RKB:	0.00 ft
	Company:	COG OPERATING, LLC	Projection System:	US State Plane 1927 (Exact solution)		
	Lease/Well:	KING COBRA	Projection Group:	Texas Central 4203		
	Location:	STATE #2H	Projection Datum:	CLARKE 1866		
	Rig Name:	MCVAY 7	Mag. Declination:	7.60°		
	State/County:	NEW MEXICO/ LEA	Grid Convergence:	-2.06491 W		
	Country:	USA	Date:	Monday, August 19, 2013		
API Number:	30-025-41060					

Calculated by HawkEye Software
Minimum Curvature Method
Vertical Section Plane 181.54°
Northing (US ft): 617761.40 Easting (US ft): 747649.90
Latitude: 31°18'11.4904" N Longitude: -104°20'38.8977" W
Direction Reference: Grid North



Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100Ft	CL (Ft)	Easting (US ft)	Northing (US ft)	Comment
10025.00	0.84	281.53	10023.96	-3.76	27.52	3.02	0.00	0.00	747677.42	617757.64	Tie Into VES Gyro Survey
10084.00	0.40	301.00	10082.96	-3.57	26.92	2.84	0.82	59.00	747676.82	617757.83	
10116.00	3.70	190.50	10114.93	-4.53	26.64	3.81	12.06	32.00	747676.54	617756.87	
10146.00	9.60	187.80	10144.72	-7.96	26.12	7.25	19.69	30.00	747676.02	617753.44	
10178.00	14.60	186.80	10176.00	-14.61	25.28	13.93	15.64	32.00	747675.18	617746.79	
10210.00	18.80	186.40	10206.64	-23.74	24.23	23.08	13.13	32.00	747674.13	617737.66	
10242.00	22.40	187.20	10236.59	-34.92	22.89	34.29	11.28	32.00	747672.79	617726.48	
10273.00	24.50	187.60	10265.03	-47.15	21.30	46.56	6.79	31.00	747671.20	617714.25	
10305.00	26.70	187.70	10293.89	-60.86	19.46	60.31	6.88	32.00	747669.36	617700.54	
10337.00	29.50	187.00	10322.11	-75.80	17.53	75.31	8.81	32.00	747667.43	617685.60	
10369.00	32.00	187.00	10349.61	-92.04	15.54	91.59	7.81	32.00	747665.44	617669.36	
10401.00	34.20	186.00	10376.42	-109.40	13.56	109.00	7.08	32.00	747663.46	617652.00	
10433.00	36.20	185.30	10402.56	-127.76	11.75	127.40	6.38	32.00	747661.65	617633.64	
10465.00	39.20	184.80	10427.88	-147.25	10.03	146.93	9.42	32.00	747659.93	617614.15	
10497.00	42.00	184.30	10452.17	-168.01	8.38	167.72	8.81	32.00	747658.28	617593.39	
10529.00	44.10	184.10	10475.56	-189.79	6.78	189.54	6.58	32.00	747656.68	617571.61	
10561.00	46.50	184.20	10498.06	-212.48	5.14	212.26	7.50	32.00	747655.04	617548.92	
10593.00	49.10	184.70	10519.56	-236.11	3.30	235.93	8.21	32.00	747653.20	617525.29	
10620.00	51.50	184.90	10536.80	-256.81	1.56	256.67	8.91	27.00	747651.46	617504.59	
10652.00	52.40	185.20	10556.53	-281.91	-0.66	281.82	2.91	32.00	747649.24	617479.49	
10684.00	54.90	185.80	10575.49	-307.56	-3.13	307.53	7.96	32.00	747646.77	617453.84	
10716.00	58.00	185.90	10593.17	-334.09	-5.85	334.12	9.69	32.00	747644.05	617427.31	
10747.00	61.40	185.90	10608.81	-360.71	-8.60	360.81	10.97	31.00	747641.30	617400.69	
10779.00	64.80	186.00	10623.29	-389.09	-11.56	389.26	10.63	32.00	747638.34	617372.31	
10811.00	68.50	186.10	10635.97	-418.30	-14.66	418.54	11.57	32.00	747635.24	617343.10	
10843.00	72.10	185.20	10646.75	-448.27	-17.62	448.58	11.56	32.00	747632.28	617313.13	
10875.00	75.90	184.40	10655.57	-478.92	-20.19	479.29	12.12	32.00	747629.71	617282.48	
10907.00	79.50	183.90	10662.39	-510.10	-22.45	510.52	11.35	32.00	747627.45	617251.30	
10939.00	82.80	183.70	10667.31	-541.64	-24.55	542.11	10.33	32.00	747625.35	617219.76	
10971.00	85.50	183.70	10670.57	-573.41	-26.60	573.91	8.44	32.00	747623.30	617187.99	
11002.00	87.60	183.70	10672.44	-604.28	-28.60	604.83	6.77	31.00	747621.30	617157.12	
11034.00	88.50	183.10	10673.53	-636.21	-30.50	636.80	3.38	32.00	747619.40	617125.19	
11066.00	89.10	182.90	10674.20	-668.16	-32.17	668.78	1.98	32.00	747617.73	617093.24	
11097.00	89.50	183.40	10674.58	-699.11	-33.87	699.77	2.07	31.00	747616.03	617062.29	
11161.00	89.50	181.50	10675.14	-763.04	-36.61	763.75	2.97	64.00	747613.29	616998.36	
11254.00	89.10	178.80	10676.27	-856.03	-36.85	856.71	2.93	93.00	747613.05	616905.37	
11348.00	90.20	177.90	10676.85	-949.99	-34.15	950.56	1.51	94.00	747615.75	616811.41	
11442.00	88.40	178.90	10677.99	-1043.94	-31.52	1044.41	2.19	94.00	747618.38	616717.46	
11537.00	89.80	178.80	10679.49	-1138.90	-29.61	1139.29	1.48	95.00	747620.29	616622.50	
11630.00	88.20	179.40	10681.11	-1231.87	-28.15	1232.19	1.84	93.00	747621.75	616529.53	
11723.00	88.80	179.30	10683.54	-1324.84	-27.10	1325.09	0.65	93.00	747622.80	616436.56	
11817.00	89.70	178.30	10684.77	-1418.81	-25.13	1418.97	1.43	94.00	747624.77	616342.59	
11912.00	88.50	179.80	10686.27	-1513.78	-23.56	1513.86	2.02	95.00	747626.34	616247.62	
12004.00	87.80	179.70	10689.24	-1605.73	-23.15	1605.77	0.77	92.00	747626.75	616155.67	

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100Ft	CL (Ft)	Easting (US ft)	Northing (US ft)	Comment
12099.00	88.00	179.50	10692.72	-1700.66	-22.49	1700.65	0.30	95.00	747627.41	616060.74	
12193.00	87.50	180.70	10696.41	-1794.59	-22.66	1794.55	1.38	94.00	747627.24	615966.81	
12288.00	87.10	181.60	10700.88	-1889.46	-24.56	1889.44	1.04	95.00	747625.34	615871.94	
12383.00	87.40	181.40	10705.44	-1984.32	-27.04	1984.33	0.38	95.00	747622.86	615777.08	
12477.00	88.80	181.60	10708.56	-2078.23	-29.50	2078.27	1.50	94.00	747620.40	615683.17	
12570.00	89.80	181.20	10709.69	-2171.20	-31.78	2171.27	1.16	93.00	747618.12	615590.20	
12665.00	90.90	181.80	10709.11	-2266.16	-34.26	2266.26	1.32	95.00	747615.64	615495.24	
12758.00	90.20	182.80	10708.22	-2359.08	-37.99	2359.25	1.31	93.00	747611.91	615402.32	
12852.00	89.10	183.50	10708.80	-2452.93	-43.16	2453.21	1.39	94.00	747606.74	615308.47	
12945.00	90.50	183.90	10709.12	-2545.74	-49.16	2546.14	1.57	93.00	747600.74	615215.66	
13039.00	89.90	182.70	10708.79	-2639.58	-54.57	2640.09	1.43	94.00	747595.33	615121.82	
13133.00	88.20	181.40	10710.35	-2733.50	-57.93	2734.07	2.28	94.00	747591.97	615027.90	
13227.00	89.10	181.10	10712.56	-2827.45	-59.98	2828.04	1.01	94.00	747589.92	614933.95	
13322.00	87.50	181.20	10715.38	-2922.39	-61.89	2922.99	1.69	95.00	747588.01	614839.01	
13417.00	88.70	180.60	10718.53	-3017.32	-63.38	3017.93	1.41	95.00	747586.52	614744.08	
13512.00	89.60	182.30	10719.94	-3112.27	-65.78	3112.92	2.02	95.00	747584.12	614649.13	
13607.00	90.90	182.60	10719.53	-3207.18	-69.84	3207.90	1.40	95.00	747580.06	614554.22	
13702.00	89.50	182.30	10719.20	-3302.09	-73.91	3302.89	1.51	95.00	747575.99	614459.31	
13797.00	90.90	181.30	10718.86	-3397.04	-76.89	3397.88	1.81	95.00	747573.01	614364.36	
13891.00	90.20	181.40	10717.96	-3491.01	-79.10	3491.88	0.75	94.00	747570.80	614270.39	
13987.00	88.40	180.20	10719.13	-3586.99	-80.44	3587.86	2.25	96.00	747569.46	614174.41	
14082.00	86.60	180.30	10723.28	-3681.89	-80.86	3682.74	1.90	95.00	747569.04	614079.51	
14177.00	87.90	179.80	10727.84	-3776.78	-80.94	3777.59	1.47	95.00	747568.96	613984.62	
14272.00	87.80	182.00	10731.40	-3871.70	-82.43	3872.52	2.32	95.00	747567.47	613889.70	
14367.00	87.40	183.40	10735.38	-3966.51	-86.90	3967.41	1.53	95.00	747563.00	613794.89	
14462.00	87.80	182.60	10739.36	-4061.29	-91.87	4062.29	0.94	95.00	747558.03	613700.11	
14557.00	88.70	182.80	10742.26	-4156.14	-96.34	4157.23	0.97	95.00	747553.56	613605.26	
14652.00	89.80	182.00	10743.50	-4251.05	-100.32	4252.21	1.43	95.00	747549.58	613510.35	
14747.00	91.10	182.00	10742.76	-4345.99	-103.64	4347.20	1.37	95.00	747546.26	613415.41	
14842.00	92.50	181.30	10739.77	-4440.90	-106.37	4442.15	1.65	95.00	747543.53	613320.50	
14905.00	93.70	181.10	10736.36	-4503.79	-107.69	4505.06	1.93	63.00	747542.21	613257.61	
14947.00	93.70	181.10	10733.65	-4545.69	-108.49	4546.97	0.00	42.00	747541.41	613215.71	Projection to Bit