

Results of Directional Survey

API number:	30-025-40949		
OGRID:		Operator:	COG OPERATING LLC
		Property:	CORAZON STATE UNIT # 7H

surface	ULSTR:	C	10	T 21S	R 33E
				100 FNL	1980 FWL

BH Loc	ULSTR:	N	10	T 21S	R 33E
16160	MD	11689.4	TVD	360 FSL	2015 FWL
4920 FNL					

Top Perf/OH	ULSTR:	C	10	T 21S	R 33E
11767	MD	11573.5	TVD	538 FNL	2058 FWL

Bot Perf/OH	ULSTR:	N	10	T 21S	R 33E
16000	MD	11692.4	TVD	520 FSL	2008 FWL
4760 FNL					

	MD	N/S	E/W	VD
	11737	-408.79	78.53	11564.88
TOP PERFS/OH	11767	-437.50	77.70	11573.52
	11767	-437.50	77.70	11573.52
	15948	-4607.99	26.42	11692.60
BOT PERFS/OH	16000	-4659.95	28.42	11692.42
	16042	-4701.92	30.03	11692.28

NEXT TO LAST	16120	-4779.83	33.43	11690.57
LAST READING	16160	-4819.77	35.24	11689.39
TD	16160	-4819.77	35.24	11689.39

Surface Location	100	FN	1980	FW
Projected BHL	4920	FN	2015	FW
Location of				
Top Perfs/OH	538	FN	2058	FW
Bottom Perfs/OH	4760	FN	2008	FW

SUMMARY of Subsurface Locations

Surface Location	C-10-21S-33E	100	FN	1980	FW	Vert. Depth
Top Perfs/OH	C-10-21S-33E	538	FN	2058	FW	11573.52
Bottom Perfs/OH	N-10-21S-33E	4760	FN	2008	FW	11692.42
Projected TD	N-10-21S-33E	4920	FN	2015	FW	11689.39

SEP 23 2014

HOBBS OCD

SEP 18 2014

OPERATOR COG Operating
WELL/LEASE Corazon State Unit #7-H
COUNTY Lea Co., NM

RECEIVED

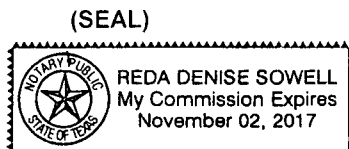
STATE OF NEW MEXICO
DEVIATION REPORT

300	0.54
830	0.19
1130	0.51
1500	0.35
1776	0.75
1869	0.40
2232	1.30
2515	1.20
2782	1.50
3424	3.50
3652	2.10
4214	1.10
4497	1.30
4782	1.40
5349	1.80
5600	0.90
5900	0.70
6200	0.50
6500	0.70
7050	0.50
7350	0.80
7965	0.50
8218	0.70
8800	0.90
9100	0.40
9550	4.50
9659	3.50
9750	4.50
9824	1.80
9856	1.50
10045	1.40
10234	1.90
10329	1.80
10801	1.40
11139	9.20

SIGNED BY: *Ron Scandolari*
RON SCANDOLARI, VP-CONTRACT DRILLING

STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 6 DAY OF June, 2014, BEFORE ME, R SOWELL, A NOTARY
PUBLIC, PERSONALLY APPEARED RON SCANDOLARI, WHO ACKNOWLEDGED AND EXECUTED
THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.



Reda Denise Sowell
NOTARY PUBLIC

HOBBS OCD

SEP 18 2014



SURVEY
INTERNATIONAL

RECEIVED

May 22, 2014

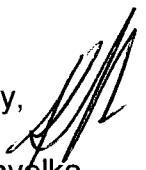
Concho Resources, Inc.
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

Attn: Kanicia Castillo

RE: **Corazon State Unit 7H**

Please find enclosed a copy of the survey from 0.00' to 10,960.00' ran on the above referenced well.

Sincerely,

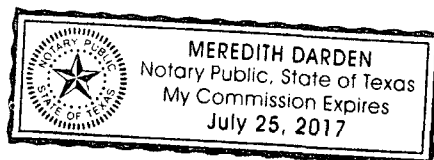

Keith Havelka
Operations

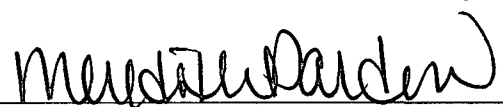
STATE OF TEXAS §

§

COUNTY OF NUECES §

This instrument was acknowledged before me on the 22nd day of May,
A.D., 2014, by Keith Havelka.




Meredith Darden
Notary Public, State of Texas

VES Survey International

P.O. Box 261021 Corpus Christi, TX 78426

T (361) 767-0602 F (361) 767-0612

www.vessurvey.com



Company: COG/Concho
Lease/Well: Corazon State Unit/7H

Rig Name: Basic 46
State/County: New Mexico/Lea
Latitude: 32.50, Longitude: -103.56
GRID North is 0.41 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB 22 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 5/22/2014 / 14:58

VES Survey International
West Texas
432-563-5444
Surveyor: Jordan Shelleby
Corazon State Unit 7H / API 30-025-40949

HOBBSOCD
SEP 18 2014
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	0.35	107.72	100.00	-0.09	0.29	-0.09	0.30	107.72	0.35
200.00	0.36	127.71	200.00	-0.38	0.83	-0.38	0.91	114.57	0.12
300.00	0.56	199.62	299.99	-1.03	0.91	-1.03	1.38	138.52	0.57
400.00	0.44	217.17	399.99	-1.80	0.52	-1.80	1.87	164.04	0.19
500.00	0.51	211.20	499.99	-2.49	0.05	-2.49	2.50	178.87	0.09
600.00	0.50	218.90	599.98	-3.22	-0.46	-3.22	3.25	188.12	0.07
700.00	0.39	208.83	699.98	-3.86	-0.90	-3.86	3.96	193.10	0.14
800.00	0.22	177.88	799.98	-4.34	-1.05	-4.34	4.47	193.63	0.23
900.00	0.10	175.91	899.98	-4.62	-1.04	-4.62	4.74	192.67	0.12
1000.00	0.15	167.95	999.98	-4.84	-1.01	-4.84	4.95	191.73	0.05
1100.00	0.33	155.07	1099.98	-5.24	-0.85	-5.24	5.31	189.27	0.19
1200.00	0.42	100.59	1199.98	-5.57	-0.38	-5.57	5.58	183.86	0.35
1300.00	0.46	86.22	1299.97	-5.61	0.38	-5.61	5.62	176.13	0.12
1400.00	0.11	60.51	1399.97	-5.53	0.86	-5.53	5.60	171.16	0.36
1500.00	0.16	25.21	1499.97	-5.36	1.00	-5.36	5.45	169.39	0.10
1600.00	0.10	40.38	1599.97	-5.16	1.12	-5.16	5.28	167.73	0.07
1700.00	0.06	40.33	1699.97	-5.05	1.21	-5.05	5.20	166.49	0.04
1800.00	0.02	48.61	1799.97	-5.00	1.26	-5.00	5.16	165.88	0.04

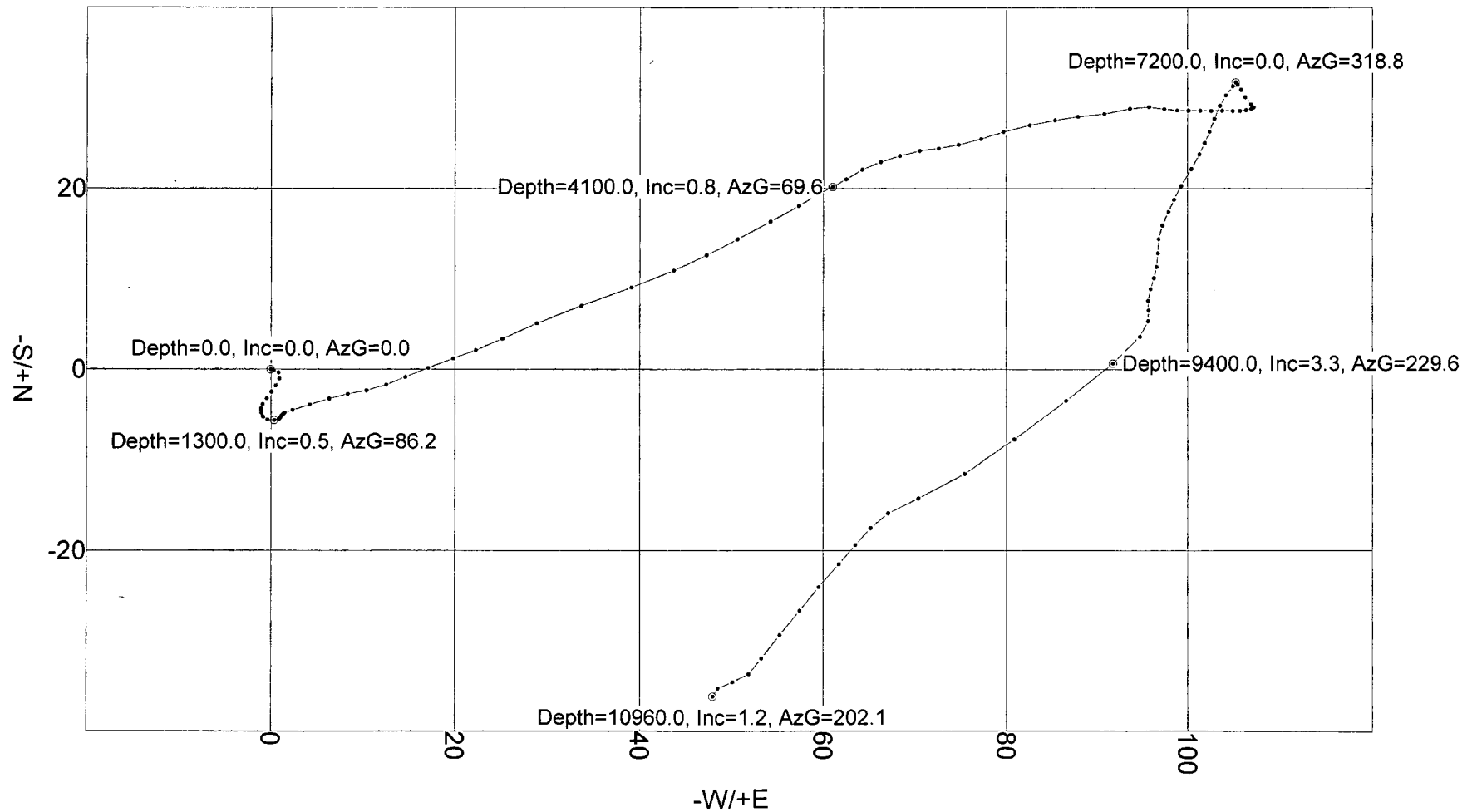
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.08	32.10	1899.97	-4.93	1.31	-4.93	5.10	165.15	0.07
2000.00	0.15	70.72	1999.97	-4.83	1.47	-4.83	5.05	163.11	0.10
2100.00	0.93	69.63	2099.97	-4.51	2.34	-4.51	5.08	152.52	0.78
2200.00	1.29	73.38	2199.95	-3.90	4.18	-3.90	5.72	133.05	0.37
2300.00	1.27	72.68	2299.92	-3.25	6.32	-3.25	7.11	117.23	0.02
2400.00	1.09	78.42	2399.90	-2.73	8.31	-2.73	8.75	108.18	0.22
2500.00	1.29	79.74	2499.88	-2.34	10.35	-2.34	10.61	102.73	0.20
2600.00	1.28	67.47	2599.85	-1.71	12.48	-1.71	12.60	97.81	0.27
2700.00	1.33	67.70	2699.83	-0.85	14.58	-0.85	14.61	93.32	0.05
2800.00	1.75	67.75	2799.79	0.17	17.06	0.17	17.06	89.43	0.42
2900.00	1.61	71.47	2899.75	1.19	19.80	1.19	19.84	86.55	0.18
3000.00	1.40	66.24	2999.71	2.13	22.25	2.13	22.35	84.53	0.25
3100.00	2.21	66.16	3099.66	3.40	25.13	3.40	25.36	82.29	0.81
3200.00	2.51	65.13	3199.58	5.10	28.88	5.10	29.33	79.98	0.31
3300.00	3.39	69.82	3299.45	7.05	33.65	7.05	34.38	78.17	0.91
3400.00	3.27	69.59	3399.28	9.06	39.09	9.06	40.13	76.95	0.13
3500.00	2.46	65.40	3499.15	10.95	43.71	10.95	45.06	75.94	0.83
3600.00	2.03	64.15	3599.07	12.61	47.26	12.61	48.91	75.06	0.43
3700.00	2.34	60.74	3699.00	14.38	50.64	14.38	52.64	74.14	0.34
3800.00	2.37	62.34	3798.92	16.34	54.25	16.34	56.66	73.23	0.07
3900.00	1.69	58.81	3898.85	18.07	57.35	18.07	60.13	72.51	0.69
4000.00	1.17	57.04	3998.82	19.39	59.46	19.39	62.54	71.94	0.52
4100.00	0.84	69.60	4098.81	20.20	61.01	20.20	64.26	71.68	0.39
4200.00	1.09	53.22	4198.79	21.02	62.46	21.02	65.90	71.40	0.37
4300.00	1.25	63.23	4298.77	22.09	64.20	22.09	67.89	71.01	0.26
4400.00	1.24	70.80	4398.75	22.94	66.20	22.94	70.06	70.89	0.17
4500.00	1.25	73.29	4498.72	23.61	68.26	23.61	72.23	70.92	0.06
4600.00	1.29	77.89	4598.70	24.16	70.41	24.16	74.44	71.06	0.11
4700.00	1.12	87.11	4698.68	24.44	72.49	24.44	76.50	71.37	0.26
4800.00	1.38	74.20	4798.65	24.82	74.62	24.82	78.64	71.60	0.39
4900.00	1.54	75.79	4898.62	25.48	77.09	25.48	81.19	71.71	0.16
5000.00	1.54	70.04	4998.59	26.27	79.65	26.27	83.87	71.75	0.15
5100.00	1.92	80.34	5098.54	27.01	82.57	27.01	86.87	71.89	0.49
5200.00	1.37	76.78	5198.50	27.56	85.38	27.56	89.72	72.11	0.56
5300.00	1.58	85.79	5298.47	27.93	87.92	27.93	92.25	72.37	0.31
5400.00	1.79	82.08	5398.42	28.25	90.84	28.25	95.13	72.72	0.23
5500.00	1.51	74.91	5498.38	28.81	93.66	28.81	97.99	72.90	0.34
5600.00	0.96	99.32	5598.36	29.02	95.76	29.02	100.05	73.14	0.75
5700.00	1.00	96.73	5698.34	28.78	97.45	28.78	101.61	73.55	0.06

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	0.63	93.60	5798.33	28.64	98.87	28.64	102.94	73.85	0.37
5900.00	0.75	88.70	5898.33	28.62	100.08	28.62	104.09	74.04	0.13
6000.00	0.73	91.57	5998.32	28.62	101.37	28.62	105.33	74.24	0.04
6100.00	0.61	90.13	6098.31	28.60	102.54	28.60	106.46	74.42	0.12
6200.00	0.71	88.01	6198.30	28.62	103.70	28.62	107.57	74.57	0.11
6300.00	0.58	95.41	6298.30	28.59	104.82	28.59	108.65	74.74	0.16
6400.00	0.37	84.24	6398.29	28.58	105.65	28.58	109.44	74.86	0.22
6500.00	0.36	78.55	6498.29	28.67	106.28	28.67	110.08	74.90	0.04
6600.00	0.28	73.08	6598.29	28.81	106.83	28.81	110.65	74.91	0.09
6700.00	0.12	31.93	6698.29	28.97	107.12	28.97	110.97	74.87	0.21
6800.00	0.51	305.28	6798.29	29.31	106.81	29.31	110.76	74.65	0.51
6900.00	0.68	334.09	6898.28	30.10	106.19	30.10	110.38	74.17	0.34
7000.00	0.40	328.05	6998.28	30.93	105.75	30.93	110.18	73.70	0.29
7100.00	0.37	322.95	7098.28	31.48	105.37	31.48	109.97	73.36	0.04
7200.00	0.02	318.80	7198.28	31.75	105.17	31.75	109.86	73.20	0.36
7300.00	0.63	214.84	7298.27	31.31	104.85	31.31	109.42	73.37	0.63
7400.00	0.79	216.33	7398.27	30.31	104.12	30.31	108.45	73.77	0.16
7500.00	0.76	202.18	7498.26	29.13	103.46	29.13	107.49	74.27	0.19
7600.00	1.00	203.14	7598.24	27.71	102.87	27.71	106.54	74.92	0.24
7700.00	0.75	195.79	7698.23	26.28	102.35	26.28	105.67	75.60	0.28
7800.00	0.80	208.23	7798.22	25.04	101.84	25.04	104.88	76.18	0.18
7900.00	0.79	199.51	7898.21	23.78	101.28	23.78	104.04	76.79	0.12
8000.00	1.31	214.33	7998.20	22.18	100.40	22.18	102.83	77.54	0.58
8100.00	1.19	207.42	8098.17	20.31	99.28	20.31	101.34	78.44	0.19
8200.00	0.77	204.03	8198.16	18.77	98.53	18.77	100.30	79.21	0.42
8300.00	0.94	205.63	8298.15	17.42	97.90	17.42	99.44	79.91	0.16
8400.00	0.93	203.02	8398.13	15.93	97.23	15.93	98.52	80.69	0.04
8500.00	0.87	186.70	8498.12	14.43	96.82	14.43	97.89	81.52	0.26
8600.00	0.94	180.14	8598.11	12.85	96.73	12.85	97.58	82.43	0.12
8700.00	0.83	191.31	8698.10	11.32	96.58	11.32	97.25	83.32	0.21
8800.00	0.59	195.27	8798.09	10.11	96.31	10.11	96.84	84.01	0.24
8900.00	0.86	197.05	8898.08	8.89	95.95	8.89	96.36	84.71	0.26
9000.00	0.66	185.43	8998.07	7.60	95.68	7.60	95.98	85.46	0.25
9100.00	0.59	169.57	9098.07	6.53	95.71	6.53	95.94	86.10	0.19
9200.00	0.78	191.85	9198.06	5.35	95.67	5.35	95.82	86.80	0.32
9300.00	1.50	215.56	9298.04	3.62	94.77	3.62	94.84	87.81	0.85
9400.00	3.31	229.56	9397.95	0.68	91.80	0.68	91.81	89.58	1.89
9500.00	4.28	232.97	9497.73	-3.44	86.62	-3.44	86.69	92.28	0.99
9600.00	3.95	234.08	9597.47	-7.71	80.85	-7.71	81.22	95.45	0.34

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	3.79	237.01	9697.24	-11.53	75.29	-11.53	76.17	98.71	0.25
9800.00	2.78	248.48	9797.08	-14.22	70.26	-14.22	71.69	101.44	1.21
9900.00	1.43	232.42	9897.01	-15.87	67.02	-15.87	68.87	103.32	1.46
10000.00	1.46	226.44	9996.98	-17.51	65.11	-17.51	67.42	105.05	0.15
10100.00	1.40	215.14	10096.95	-19.38	63.49	-19.38	66.38	106.98	0.29
10200.00	1.80	224.53	10196.91	-21.50	61.68	-21.50	65.32	109.22	0.48
10300.00	2.03	217.52	10296.85	-24.03	59.50	-24.03	64.17	111.99	0.33
10400.00	1.81	218.08	10396.79	-26.68	57.45	-26.68	63.34	114.91	0.22
10500.00	2.19	220.21	10496.73	-29.37	55.24	-29.37	62.57	118.00	0.39
10600.00	1.50	213.35	10596.68	-31.92	53.29	-31.92	62.12	120.92	0.72
10700.00	1.11	225.67	10696.66	-33.69	51.88	-33.69	61.86	123.00	0.48
10800.00	1.23	260.33	10796.64	-34.55	50.13	-34.55	60.88	124.58	0.71
10900.00	0.88	225.94	10896.62	-35.27	48.52	-35.27	59.98	126.02	0.71
10960.00	1.16	202.12	10956.61	-36.15	47.95	-36.15	60.06	127.01	0.83



VES Survey International
West Texas
432-563-5444
Surveyor: Jordan Shelleby
Corazon State Unit 7H / API 30-025-40949



VES Survey Date: 05/15/2014



HOBBS OCD
SEP 18 2014
RECEIVED

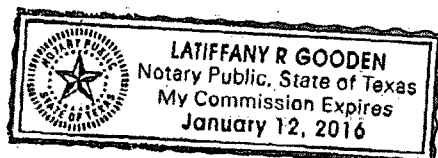
State of New Mexico
County of Lea

I, Michael K. Baber, certify that: I am employed by Terra Directional Services LLC; that I did on the day(s) of 04/26/14 through 05/25/14 conduct or supervise the taking of a MWD survey from a depth of 11044 feet to a depth 16160 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Terra Directional Services LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Concho Oil & Gas for the Corazon State #7H Well API 30-025-40949 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Terra Directional Services LLC.

Michael K. Baber
MWD Operations Manager

State of Texas
County of Bexar

Before me, a notary public, on this day personally appeared Michael K. Baber, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.



Notary Public's Signature



Customer Name: COG Operating, LLC.
 Well Name: Corazon State # 7H
 API Number: 30-025-40949
 County / Parish: 40 Miles West of Eunik

M.W.D. Operator: Stacy Ogle
 Directional Driller: Chad Moore
 Total Magnetic Correction: 6.84
 Job #: NM-433

Vertical Section: 179.57

Tie In Survey(s) Provided By:

VES

	Meas. Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	Dist.	Angle	DLS
Tie - In										
0	10960.00	1.16	202.12	10956.60	36.50	-36.10	48.00	0.00	0.00	0.00
1	11044.00	1.50	188.50	11040.58	38.33	-37.98	47.52	60.83	128.63	0.55
2	11076.00	2.20	186.00	11072.56	39.35	-39.00	47.39	61.38	129.45	2.20
3	11108.00	5.60	182.10	11104.48	41.53	-41.17	47.27	62.69	131.06	10.65
4	11139.00	9.20	172.70	11135.22	45.50	-45.14	47.53	65.55	133.52	12.21
5	11170.00	11.80	168.60	11165.70	51.07	-50.71	48.47	70.15	136.29	8.72
6	11202.00	13.80	167.40	11196.90	58.02	-57.64	49.95	76.27	139.09	6.30
	11233.00	17.30	164.50	11226.76	66.08	-65.69	51.99	83.78	141.64	11.56
7	11265.00	21.00	163.50	11256.99	76.19	-75.78	54.89	93.57	144.08	11.61
8	11296.00	24.80	164.70	11285.54	87.82	-87.38	58.18	104.98	146.34	12.35
9	11328.00	27.30	167.20	11314.29	101.47	-101.01	61.58	118.31	148.63	8.53
10	11360.00	30.50	167.30	11342.30	116.58	-116.10	64.99	133.05	150.76	10.00
11	11391.00	34.90	167.90	11368.38	132.96	-132.45	68.58	149.15	152.62	14.23
12	11422.00	38.30	170.70	11393.26	151.14	-150.61	72.00	166.93	154.45	12.22
13	11454.00	41.90	174.20	11417.74	171.59	-171.03	74.68	186.63	156.41	13.27
14	11485.00	45.40	175.70	11440.17	192.91	-192.34	76.55	207.02	158.30	11.77
15	11517.00	49.50	176.30	11461.80	216.44	-215.86	78.19	229.58	160.09	12.89
16	11548.00	54.80	177.30	11480.82	240.88	-240.29	79.55	253.11	161.68	17.29
17	11580.00	58.40	178.30	11498.43	267.58	-266.98	80.57	278.87	163.21	11.55
18	11611.00	61.10	179.70	11514.05	294.35	-293.75	81.04	304.72	164.58	9.54
19	11643.00	63.10	181.00	11529.02	322.63	-322.03	80.86	332.02	165.90	7.21
20	11674.00	66.00	181.60	11542.34	350.60	-350.01	80.22	359.08	167.09	9.52
21	11706.00	69.30	181.70	11554.51	380.17	-379.59	79.37	387.80	168.19	10.32
22	11737.00	71.60	181.60	11564.88	409.37	-408.79	78.53	416.26	169.13	7.43
23	11767.00	74.90	181.70	11573.52	438.07	-437.50	77.70	444.35	169.93	11.00
24	11799.00	78.10	182.40	11580.99	469.15	-468.59	76.59	474.81	170.72	10.22
25	11830.00	80.00	182.50	11586.88	499.55	-499.00	75.29	504.64	171.42	6.14
26	11862.00	81.20	182.50	11592.11	531.08	-530.54	73.91	535.66	172.07	3.75
27	11893.00	81.80	182.30	11596.69	561.70	-561.17	72.63	565.85	172.63	2.04
28	11925.00	82.40	182.40	11601.09	593.36	-592.84	71.33	597.11	173.14	1.90
29	11956.00	83.30	182.30	11604.95	624.08	-623.57	70.07	627.49	173.59	2.92
30	11988.00	84.00	182.30	11608.49	655.85	-655.35	68.79	658.95	174.01	2.19
31	12019.00	84.40	182.20	11611.62	686.65	-686.17	67.58	689.49	174.38	1.33
32	12050.00	85.00	182.10	11614.48	717.49	-717.01	66.42	720.08	174.71	1.96
33	12082.00	86.00	182.20	11616.99	749.36	-748.89	65.22	751.73	175.02	3.14
34	12113.00	87.50	182.40	11618.75	780.27	-779.81	63.98	782.44	175.31	4.88
35	12145.00	88.10	182.40	11619.98	812.21	-811.76	62.64	814.18	175.59	1.88
36	12176.00	88.20	182.10	11620.98	843.16	-842.72	61.43	844.96	175.83	1.02
37	12271.00	89.80	181.60	11622.64	938.07	-937.66	58.36	939.47	176.44	1.76
38	12365.00	88.70	181.60	11623.87	1032.00	-1031.61	55.74	1033.11	176.91	1.17
39	12464.00	86.10	181.80	11628.36	1130.82	-1130.46	52.80	1131.69	177.33	2.63



40	12558.00	85.70	182.60	11635.08	1224.48	-1224.14	49.20	1225.13	177.70	0.95
41	12653.00	86.10	182.90	11641.87	1319.09	-1318.79	44.66	1319.55	178.06	0.53
42	12747.00	87.80	182.40	11646.87	1412.82	-1412.55	40.32	1413.13	178.37	1.88
43	12842.00	88.20	182.20	11650.19	1507.65	-1507.42	36.51	1507.86	178.61	0.47
44	12936.00	88.20	182.60	11653.14	1601.49	-1601.29	32.57	1601.62	178.83	0.43
45	13031.00	88.80	182.40	11655.63	1696.33	-1696.17	28.43	1696.41	179.04	0.67
46	13125.00	90.10	181.60	11656.53	1790.24	-1790.10	25.15	1790.28	179.20	1.62
47	13220.00	90.60	182.00	11655.95	1885.17	-1885.05	22.17	1885.18	179.33	0.67
48	13314.00	90.50	182.40	11655.05	1979.06	-1978.98	18.56	1979.07	179.46	0.44
49	13386.00	89.80	182.10	11654.86	2050.98	-2050.92	15.73	2050.98	179.56	1.06
50	13480.00	91.60	182.40	11653.71	2144.87	-2144.84	12.04	2144.87	179.68	1.94
51	13575.00	88.70	181.90	11653.46	2239.76	-2239.76	8.48	2239.78	179.78	3.10
52	13669.00	86.20	182.40	11657.64	2333.57	-2333.60	4.96	2333.60	179.88	2.71
53	13764.00	84.90	182.30	11665.01	2428.17	-2428.23	1.07	2428.23	179.97	1.37
54	13876.00	83.30	181.00	11676.53	2539.49	-2539.58	-2.14	2539.58	180.05	1.84
55	13970.00	85.40	180.90	11685.78	2633.01	-2633.11	-3.69	2633.11	180.08	2.24
56	14065.00	88.20	180.40	11691.08	2727.83	-2727.94	-4.76	2727.95	180.10	2.99
57	14159.00	90.00	179.80	11692.56	2821.81	-2821.93	-4.93	2821.93	180.10	2.02
58	14254.00	89.80	179.80	11692.73	2916.81	-2916.93	-4.60	2916.93	180.09	0.21
59	14348.00	89.00	179.80	11693.71	3010.80	-3010.92	-4.27	3010.92	180.08	0.85
60	14443.00	88.60	178.60	11695.70	3105.78	-3105.89	-2.94	3105.89	180.05	1.33
61	14537.00	88.90	180.80	11697.75	3199.75	-3199.86	-2.45	3199.86	180.04	2.36
62	14632.00	89.00	180.90	11699.49	3294.71	-3294.83	-3.86	3294.83	180.07	0.15
63	14726.00	84.20	182.70	11705.07	3388.44	-3388.59	-6.80	3388.60	180.11	5.45
64	14814.00	85.10	183.50	11713.27	3475.89	-3476.08	-11.54	3476.10	180.19	1.37
65	14909.00	92.40	181.40	11715.34	3570.68	-3570.90	-15.59	3570.93	180.25	8.00
66	15003.00	94.50	179.30	11709.69	3664.49	-3664.71	-16.17	3664.75	180.25	3.16
67	15098.00	93.60	178.20	11702.98	3759.24	-3759.45	-14.10	3759.48	180.21	1.49
68	15192.00	92.80	177.30	11697.73	3853.05	-3853.23	-10.42	3853.25	180.15	1.28
69	15287.00	93.40	177.00	11692.59	3947.82	-3947.98	-5.70	3947.98	180.08	0.71
70	15381.00	90.10	175.90	11689.72	4041.62	-4041.74	0.12	4041.74	180.00	3.70
71	15476.00	91.00	176.30	11688.81	4136.44	-4136.51	6.58	4136.52	179.91	1.04
72	15570.00	91.10	176.80	11687.09	4230.30	-4230.32	12.23	4230.34	179.83	0.54
73	15665.00	88.00	177.90	11687.83	4325.21	-4325.21	16.63	4325.24	179.78	3.46
74	15759.00	89.20	178.00	11690.13	4419.14	-4419.12	19.99	4419.16	179.74	1.28
75	15854.00	89.10	178.10	11691.54	4514.10	-4514.05	23.22	4514.11	179.71	0.15
76	15948.00	89.60	178.00	11692.60	4608.06	-4607.99	26.42	4608.07	179.67	0.54
77	16042.00	90.80	177.60	11692.28	4702.01	-4701.92	30.03	4702.01	179.63	1.35
TD	16120.00	91.70	177.40	11690.57	4779.94	-4779.83	33.43	4779.94	179.60	1.18
PTB	16160.00	91.70	177.40	11689.39	4819.90	-4819.77	35.24	4819.90	179.58	0.00

