

HOBBS OCD

APR 24 2012

COG OPERATING

Red Tank
Lea County, NM
Airbonita 12 Federal #2H
VH - Job #32K12111192

RECEIVED

Survey: Gyro

SDI Standard Survey Report

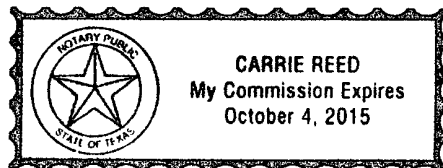
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 31st of December, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	COG OPERATING	Local Co-ordinate Reference:	Well Airbonita 12 Federal #2H
Project:	Red Tank	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Airbonita 12 Federal #2H	North Reference:	Grid
Wellbore:	VH - Job #32K12111192	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12111192	Database:	EDM-Regulatory

Project	Red Tank		
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	Lea County, NM				
Site Position:		Northing:	509,961 50 usft	Latitude:	32° 24' 0 043 N
From:	Lat/Long	Easting:	718,394 33 usft	Longitude:	103° 37' 32 671 W
Position Uncertainty:	0 0 usft	Slot Radius:	0"	Grid Convergence:	0.38 °

Well	Airbonita 12 Federal #2H, Directional (Pathfinder)					
Well Position	+N/-S	0 0 usft	Northing:	509,961.50 usft	Latitude:	32° 24' 0.043 N
	+E/-W	0 0 usft	Easting:	718,394.33 usft	Longitude:	103° 37' 32.671 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore	VH - Job #32K12111192				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/6/2011	7 57	60 33	48,695

Design:	VH - Job #32K12111192			
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	359 60

Survey Program		Date 1/22/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	9,300.0	Gyro (VH - Job #32K12111192)	Keeper	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 41	163.65	100 0	-0 3	0 1	163 65	0 4		
200 0	0 36	195.26	200 0	-1 0	0 1	173 16	1 0		
300 0	0 45	214.54	300 0	-1 6	-0 2	186 59	1 6		
400 0	0 64	221.29	400 0	-2 4	-0 8	198 24	2 5		
500 0	0 86	225.42	500 0	-3 3	-1 7	206 95	3 7		
600 0	1 07	229.06	600 0	-4 4	-2 9	213 31	5 3		
700 0	1 12	228.42	699.9	-5 7	-4 4	217 37	7 2		
800 0	1 41	225.56	799.9	-7 2	-6 0	219 59	9 4		
900 0	1 44	222.86	899.9	-9 0	-7 7	220 56	11 8		
1,000 0	1 36	207.76	999.9	-11 0	-9 1	219.70	14 3		
1,100.0	1 45	193.62	1,099.8	-13 2	-10 0	216 93	16 6		

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SDI Standard Survey Report



Company: COG OPERATING
 Project: Red Tank
 Site: Lea County, NM
 Well: Airbonita 12 Federal #2H
 Wellbore: VH - Job #32K12111192
 Design: VH - Job #32K12111192

Local Co-ordinate Reference: Well Airbonita 12 Federal #2H
 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)
1,200 0	1 44	185 34	1,199 8	-15 7	-10 4	213 40	18 8
1,300 0	1 48	192 25	1,299 8	-18 2	-10 8	210 54	21 2
1,400 0	1 08	185.67	1,399 7	-20 4	-11 1	208 57	23 3
1,500 0	1 13	176 83	1,499 7	-22 4	-11 2	206 54	25 0
1,600 0	1 05	189 25	1,599 7	-24 3	-11 3	204 91	26 7
1,700.0	1 10	174 29	1,699 7	-26 1	-11 3	203 43	28 5
1,800.0	1 25	167 42	1,799 7	-28 1	-11 0	201 32	30 2
1,900 0	1 12	143 51	1,899 6	-30 0	-10 2	198 72	31 7
2,000 0	1 45	132 67	1,999 6	-31 6	-8 7	195 30	32 8
2,100 0	1 44	120 77	2,099 6	-33 1	-6 6	191 34	33 8
2,200 0	1 82	112 04	2,199 6	-34 4	-4 1	186 79	34 6
2,300 0	2 47	97 60	2,299 5	-35 2	-0 5	180 78	35 2
2,400 0	3 07	90 22	2,399 4	-35 5	4 3	173 05	35 8
2,500 0	3 10	86 46	2,499 2	-35 4	9 7	164 66	36 7
2,600 0	2 95	88 03	2,599.1	-35 1	15 0	156 91	38 2
2,700 0	2 40	88 34	2,699 0	-35 0	19 6	150 68	40 1
2,800 0	1 19	73 98	2,798 9	-34 6	22 7	146 72	41 4
2,900 0	1 75	55 62	2,898 9	-33 5	25 0	143 26	41 8
3,000 0	2 79	52 98	2,998 8	-31 2	28 2	137 85	42 0
3,100 0	4 11	59 46	3,098 6	-27 9	33 2	129 99	43 4
3,200 0	4 97	76.90	3,198 3	-25 1	40 5	121 73	47 7
3,300.0	4.45	73 32	3,298 0	-23 0	48 5	115 36	53 6
3,400 0	3 02	44 76	3,397 8	-20 0	54 0	110 30	57 6
3,500 0	2 91	15 97	3,497 6	-15 7	56 6	105 48	58 7
3,600 0	3 79	355 76	3,597 5	-9 9	57 0	99 88	57 9
3,700 0	3 72	357 40	3,697 3	-3 4	56 7	93 44	56 8
3,800 0	1 98	6 82	3,797 1	1 6	56 7	88 43	56 7
3,900 0	1 67	90 77	3,897 1	3 2	58 4	86 81	58 5
4,000 0	3 04	128 12	3,997 0	1 6	61 9	88 53	61 9
4,100 0	2 93	120 95	4,096 9	-1 4	66 2	91 18	66 2
4,200 0	2 64	85 69	4,196 8	-2 5	70 7	92 03	70 7
4,300 0	1 77	42 42	4,296 7	-1 2	74 0	90 92	74 0
4,400 0	1 86	15 77	4,396 7	1 5	75 5	88 85	75 5
4,500 0	2 07	10 95	4,496 6	4 9	76 3	86 36	76 4
4,600 0	1 92	13 45	4,596 5	8 3	77 0	83 88	77 5
4,700 0	1 78	22 00	4,696 5	11 3	78 0	81 74	78 8
4,800 0	1 60	18 60	4,796 4	14 1	79 0	79 89	80 3
4,900 0	1 37	14 59	4,896 4	16 6	79 8	78 27	81 5
5,000 0	1 30	5 34	4,996 4	18 9	80 2	76 77	82 4
5,100 0	1 31	349 94	5,096 4	21 1	80 1	75 23	82 6
5,200 0	1 25	348 70	5,196 3	23 3	79 7	73 70	83 0
5,300 0	1 09	359 49	5,296.3	25 3	79 4	72 32	83 4
5,400.0	1 27	354 11	5,396 3	27 4	79 3	70 96	83 9
5,500 0	0 80	4 96	5,496 3	29 2	79 3	69 80	84 5

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SDI Standard Survey Report



Company: COG OPERATING
Project: Red Tank
Site: Lea County, NM
Well: Airbonita 12 Federal #2H
Wellbore: VH - Job #32K12111192
Design: VH - Job #32K12111192

Local Co-ordinate Reference: Well Airbonita 12 Federal #2H
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 68	354 51	5,596 3	30 5	79 3	68 98	84 9
5,700 0	0 88	346 61	5,696 2	31 8	79 0	68 09	85 2
5,800 0	0 94	344 79	5,796 2	33 3	78 6	67 03	85 4
5,900 0	0 89	345 50	5,896 2	34 9	78 2	65 97	85 7
6,000 0	0 93	359 72	5,996 2	36 4	78 0	64 97	86 1
6,100 0	0 63	22 13	6,096 2	37 8	78 2	64 24	86 9
6,200 0	0 47	21 09	6,196 2	38 7	78 6	63 81	87 6
6,300 0	0 70	21 05	6,296 2	39 6	79 0	63 36	88 3
6,400 0	0 47	32 99	6,396 2	40 5	79 4	62 96	89 1
6,500 0	0 53	30 73	6,496 2	41 3	79 9	62 68	89 9
6,600 0	0 42	11 54	6,596 2	42 0	80 2	62 34	90 5
6,700 0	0 44	358 30	6,696 2	42 8	80 2	61 94	90 9
6,800 0	0 32	7 68	6,796 2	43 4	80 3	61 59	91 3
6,900 0	0 30	339 29	6,896 2	43 9	80 2	61 28	91 5
7,000 0	0 21	28 85	6,996 2	44 4	80 2	61 06	91 7
7,100 0	0 46	30 46	7,096 2	44 9	80 5	60 87	92 2
7,200 0	0 33	347 47	7,196 2	45 5	80 6	60 57	92 6
7,300 0	0 18	345 77	7,296 2	45 9	80 5	60 31	92 7
7,400 0	0 30	243 55	7,396 2	46 0	80 3	60 21	92 5
7,500 0	0 31	190 53	7,496 2	45 6	80 0	60 33	92 1
7,600 0	0 49	235 46	7,596 2	45 1	79 6	60 48	91 5
7,700 0	0 58	231 28	7,696 2	44 5	78 8	60 55	90 5
7,800 0	0 57	234 76	7,796 2	43 9	78 0	60 64	89 5
7,900 0	0 64	231 60	7,896 1	43 3	77 2	60 73	88 5
8,000 0	0 51	217 28	7,996 1	42 6	76 5	60 90	87 5
8,100 0	0 63	216 41	8,096 1	41 8	75 9	61 17	86 6
8,200 0	0 77	207 37	8,196 1	40 7	75 2	61 57	85 6
8,300 0	0 94	196 35	8,296 1	39 3	74 7	62 23	84 4
8,400 0	0 98	208 76	8,396 1	37 8	74 1	62 96	83 2
8,500 0	0 77	196 82	8,496 1	36 4	73 5	63 63	82 0
8,600 0	0 99	210 60	8,596 1	35 0	72 8	64 31	80 8
8,700 0	1 06	209 32	8,696 1	33 5	71 9	65 04	79 3
8,800 0	0 83	221 33	8,796 1	32 1	71 0	65 65	77 9
8,900 0	0 93	218 58	8,896 0	31 0	70 0	66 15	76 6
9,000 0	1 04	206 53	8,996 0	29 5	69 1	66 88	75 1
9,100 0	0 82	184 60	9,096 0	28 0	68 6	67 82	74 1
9,200 0	0 46	187 11	9,196 0	26 9	68 5	68 59	73 6
9,300 0	0 78	323 57	9,296 0	27 0	68 1	68 36	73 2



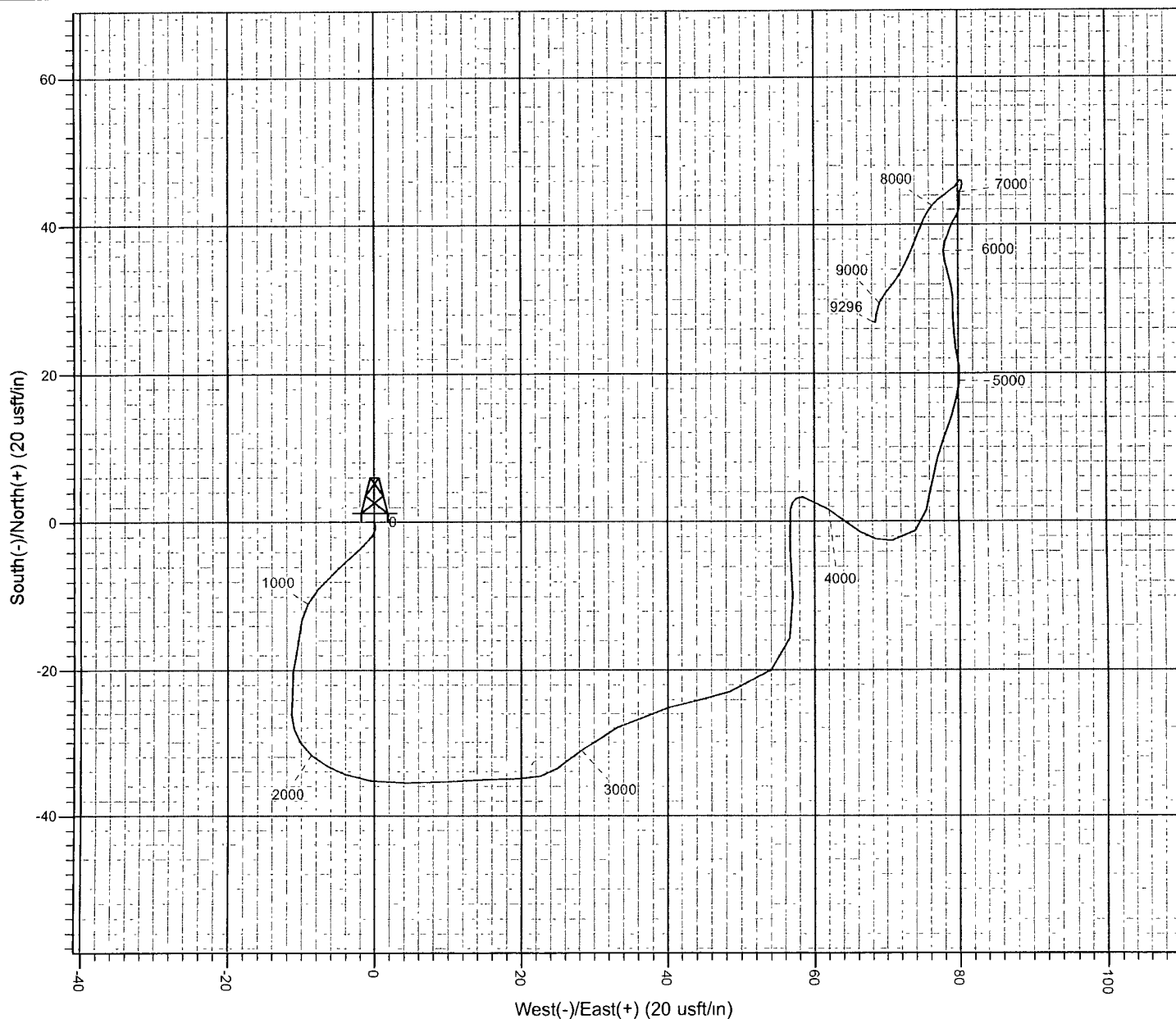
Project: Red Tank
 Lea County, NM
 Well: Airbonita 12 Federal #2H
 Wellbore: VH - Job #32K12111192
 Design: VH - Job #32K12111192



Azimuths to Grid North
 True North -0 38°
 Magnetic North 7 19°
 Magnetic Field
 Strength 48694 9snT
 Dip Angle 60 33°
 Date 12/6/2011
 Model IGRF2010

WELL DETAILS: Airbonita 12 Federal #2H
 WELL @ 0.0usft (Original Well Elev)
 Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	509961.50	718394 33	32° 24' 0.043 N	103° 37' 32.671 W	



PROJECT DETAILS: Red Tank
 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: Lea County, NM
 Site Centre Latitude: 32° 24' 0.043 N
 Longitude: 103° 37' 32.671 W
 Positional Uncertainty: 0 0
 Convergence: 0.38
 Local North: Grid

PathFinder Energy Services, Inc.

Survey Report

COG OPERATING, LLC.
 AIRBONITA 12 FEDERAL #2H ST01
 LEA COUNTY, NEW MEXICO
 Rig: PATRIOT #6
 PathFinder Office Supervisor: STEVE BIBB
 PathFinder Field Engineers: P.DAS
 S.DOGGETT

Survey Horiz. Reference: WELLHEAD
 Ref Coordinates: LAT: 32.24.0.0422 N LON: 103.37.32.6716 W
 GRID Reference: NAD27 new mexico east Transverse Mercator
 Ref GRID Coord: X: 718394.3000 Y: 509961.4000
 North Aligned To: GRID NORTH
 Total Magnetic Correction: 7.19° EAST TO GRID
 Vertical Section Plane: 359.60
 Survey Vert. Reference: 17.50' Kelly Bushing To Ground
 Altitude: 3635.00' Ground To MSL

Survey Calculations by RX5 V6.03E using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS
						Rectangular (ft)	Offsets (ft)	Dist (ft)	Dir (deg)	
TIED INTO SCIENTIFIC DRILLING GYRO SURVEY @ 9300'MD.										
9300.00	0.78	323.57	9296.01	0.00	26.57	27.05 N	68.04 E	73.22@	68.32	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
9332.00	0.97	345.13	9328.01	32.00	27.01	27.49 N	67.84 E	73.20@	67.94	1.18
9364.00	2.02	355.06	9360.00	32.00	27.84	28.31 N	67.72 E	73.40@	67.31	3.37
9396.00	6.42	4.55	9391.90	32.00	30.18	30.66 N	67.82 E	74.42@	65.67	13.87
9428.00	11.34	5.96	9423.51	32.00	35.10	35.57 N	68.29 E	77.00@	62.48	15.39
9459.00	14.77	3.67	9453.70	31.00	42.07	42.55 N	68.85 E	80.94@	58.29	11.19
9491.00	18.29	1.04	9484.37	32.00	51.16	51.64 N	69.21 E	86.35@	53.27	11.24
9523.00	21.54	358.05	9514.46	32.00	62.05	62.54 N	69.10 E	93.20@	47.85	10.64
9555.00	24.62	356.20	9543.89	32.00	74.58	75.06 N	68.46 E	101.59@	42.36	9.89
9586.00	27.70	356.12	9571.72	31.00	88.22	88.70 N	67.54 E	111.49@	37.29	9.94
9618.00	30.95	356.20	9599.61	32.00	103.87	104.33 N	66.49 E	123.72@	32.51	10.16
9650.00	33.85	355.41	9626.63	32.00	120.97	121.43 N	65.23 E	137.84@	28.24	9.16
9682.00	37.02	354.89	9652.70	32.00	139.47	139.92 N	63.66 E	153.72@	24.47	9.95
9713.00	40.27	354.53	9676.90	31.00	158.75	159.19 N	61.87 E	170.79@	21.24	10.51
9745.00	44.76	353.66	9700.49	32.00	180.27	180.69 N	59.64 E	190.28@	18.27	14.15
9777.00	49.24	352.51	9722.30	32.00	203.52	203.92 N	56.82 E	211.69@	15.57	14.24
9809.00	53.73	353.30	9742.23	32.00	228.38	228.76 N	53.73 E	234.98@	13.22	14.16
9841.00	57.95	354.97	9760.19	32.00	254.73	255.09 N	51.04 E	260.15@	11.31	13.87
9872.00	62.52	356.99	9775.58	31.00	281.58	281.93 N	49.16 E	286.18@	9.89	15.79
9901.00	67.18	359.28	9787.90	29.00	307.81	308.16 N	48.32 E	311.92@	8.91	17.59
9932.00	71.84	359.45	9798.75	31.00	336.84	337.19 N	48.00 E	340.58@	8.10	15.04
9964.00	74.30	359.72	9808.07	32.00	367.45	367.79 N	47.78 E	370.88@	7.40	7.73
9996.00	76.06	359.89	9816.25	32.00	398.39	398.73 N	47.67 E	401.57@	6.82	5.52
10028.00	78.79	359.83	9823.22	32.00	429.62	429.96 N	47.59 E	432.58@	6.32	8.53

PathFinder Energy Services, Inc.

Survey Report

COG OPERATING, LLC.
AIRBONITA 12 FEDERAL #2H ST01
LEA COUNTY, NEW MEXICO
RIG:PATRIOT #6

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
10059.00	81.95	358.99	9828.40	31.00	460.17	460.52 N	47.28 E	462.94@	5.86	10.54
10091.00	84.06	358.50	9832.30	32.00	491.93	492.27 N	46.58 E	494.47@	5.41	6.77
10122.00	86.88	358.14	9834.75	31.00	522.82	523.15 N	45.68 E	525.14@	4.99	9.17
10154.00	87.49	357.81	9836.32	32.00	554.77	555.10 N	44.55 E	556.88@	4.59	2.17
10186.00	87.76	357.96	9837.65	32.00	586.73	587.05 N	43.37 E	588.65@	4.22	0.97
10218.00	90.22	358.28	9838.21	32.00	618.71	619.02 N	42.32 E	620.47@	3.91	7.75
10313.00	91.45	0.23	9836.83	95.00	713.69	714.00 N	41.08 E	715.18@	3.29	2.43
10409.00	90.31	0.27	9835.35	96.00	809.67	809.98 N	41.50 E	811.05@	2.93	1.19
10504.00	91.98	2.31	9833.45	95.00	904.61	904.93 N	43.64 E	905.98@	2.76	2.77
10599.00	90.40	1.81	9831.48	95.00	999.49	999.85 N	47.05 E	1000.95@	2.69	1.74
10695.00	90.31	3.48	9830.89	96.00	1095.35	1095.74 N	51.48 E	1096.95@	2.69	1.74
10790.00	89.87	2.75	9830.74	95.00	1190.17	1190.60 N	56.64 E	1191.94@	2.72	0.90
10885.00	91.54	1.48	9829.57	95.00	1285.07	1285.52 N	60.15 E	1286.93@	2.68	2.21
10981.00	91.63	2.19	9826.91	96.00	1380.96	1381.43 N	63.22 E	1382.88@	2.62	0.75
11076.00	90.31	1.42	9825.30	95.00	1475.87	1476.37 N	66.21 E	1477.85@	2.57	1.61
11171.00	87.85	359.82	9826.83	95.00	1570.83	1571.34 N	67.24 E	1572.78@	2.45	3.09
11266.00	88.29	358.15	9830.03	95.00	1665.77	1666.27 N	65.56 E	1667.56@	2.25	1.82
11362.00	90.75	359.25	9830.83	96.00	1761.75	1762.23 N	63.38 E	1763.37@	2.06	2.81
11457.00	91.19	0.00	9829.23	95.00	1856.73	1857.22 N	62.76 E	1858.28@	1.94	0.92
11552.00	90.13	359.14	9828.13	95.00	1951.72	1952.21 N	62.05 E	1953.19@	1.82	1.44
11647.00	89.60	357.76	9828.35	95.00	2046.70	2047.17 N	59.48 E	2048.03@	1.66	1.56
11742.00	91.10	359.21	9827.77	95.00	2141.68	2142.13 N	56.97 E	2142.89@	1.52	2.20
11837.00	90.84	358.67	9826.17	95.00	2236.66	2237.10 N	55.21 E	2237.78@	1.41	0.63
11932.00	91.01	358.47	9824.63	95.00	2331.63	2332.05 N	52.84 E	2332.65@	1.30	0.28
12027.00	90.92	358.19	9823.03	95.00	2426.59	2427.00 N	50.07 E	2427.52@	1.18	0.31
12122.00	90.40	357.33	9821.94	95.00	2521.54	2521.92 N	46.36 E	2522.35@	1.05	1.06
12218.00	89.87	356.88	9821.71	96.00	2617.44	2617.80 N	41.51 E	2618.13@	0.91	0.72
12313.00	89.69	356.68	9822.08	95.00	2712.33	2712.65 N	36.17 E	2712.89@	0.76	0.28

PathFinder Energy Services, Inc.

Survey Report

COG OPERATING, LLC.
AIRBONITA 12 FEDERAL #2H ST01
LEA COUNTY, NEW MEXICO
RIG: PATRIOT #6

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
12408.00	90.40	356.21	9822.00	95.00	2807.18	2807.46 N	30.28 E	2807.63@	0.62	0.90
12503.00	90.04	355.86	9821.64	95.00	2902.00	2902.23 N	23.71 E	2902.33@	0.47	0.53
12598.00	90.57	355.67	9821.13	95.00	2996.78	2996.97 N	16.70 E	2997.02@	0.32	0.59
12694.00	90.66	356.12	9820.10	96.00	3092.58	3092.72 N	9.83 E	3092.74@	0.18	0.48
12829.00	93.39	356.34	9815.33	135.00	3227.25	3227.33 N	0.96 E	3227.33@	0.02	2.03
12924.00	92.95	356.08	9810.08	95.00	3321.94	3321.98 N	5.31 W	3321.98@	359.91	0.54
13019.00	93.39	355.21	9804.82	95.00	3416.56	3416.56 N	12.52 W	3416.58@	359.79	1.03
13114.00	91.54	353.63	9800.74	95.00	3511.08	3511.01 N	21.74 W	3511.08@	359.65	2.56
13209.00	91.19	353.06	9798.48	95.00	3605.49	3605.35 N	32.75 W	3605.50@	359.48	0.70
13272.00	91.10	352.60	9797.22	63.00	3668.04	3667.84 N	40.61 W	3668.07@	359.37	0.74
13367.00	91.63	352.55	9794.95	95.00	3762.29	3762.02 N	52.89 W	3762.39@	359.19	0.56
13462.00	92.42	351.50	9791.60	95.00	3856.41	3856.04 N	66.06 W	3856.60@	359.02	1.38
13557.00	92.07	350.71	9787.88	95.00	3950.29	3949.82 N	80.74 W	3950.65@	358.83	0.91
13652.00	93.83	351.90	9782.99	95.00	4044.17	4043.60 N	95.08 W	4044.72@	358.65	2.24
13779.00	93.83	351.72	9774.50	127.00	4169.71	4169.03 N	113.13 W	4170.56@	358.45	0.14
13937.00	94.26	351.11	9763.36	158.00	4325.71	4324.86 N	136.66 W	4327.02@	358.19	0.47
14064.00	93.74	351.28	9754.50	127.00	4451.04	4450.06 N	156.05 W	4452.80@	357.99	0.43
STRAIGHT LINE PROJECTION TO BIT AT 14110'MD.										
14110.00	93.74	351.28	9751.50	46.00	4496.46	4495.43 N	163.01 W	4498.39@	357.92	0.00