



Wildhog BWX State Com 2H

Directional Survey Report

Start date: 1/20/2018

End date: 3/04/2018

Company Name: Lilis Energy
Well Name: Wildhog BWX State Com 2H
Field: Wolfcamp
Rig ID: Trinidad 117
API/UWI: 30-025-44112

State/Prov: New Mexico
County: Lea County
Country: USA
Location: Jal
Latitude/Longitude: 32.03522 / -103.2814

Survey Company: Aim Directional Services
Job Number: WT-18-023
Proposed Azimuth: 179.36
Declination: 6.12 **KB:** 26
North Reference: Grid

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 MAY 10 2018
 HOBBS OCD

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
TieIn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	
1	177.00	0.35	88.57	177.00	0.01	0.54	-0.01	0.54	88.57	0.20	177.00
2	249.00	0.48	71.08	249.00	0.12	1.05	-0.11	1.05	83.63	0.25	72.00
3	416.00	0.35	139.37	415.99	-0.04	2.04	0.07	2.04	91.22	0.29	167.00
4	598.00	0.26	86.55	597.99	-0.44	2.81	0.47	2.85	98.90	0.16	182.00
5	822.00	1.32	39.62	821.97	1.58	4.97	-1.52	5.21	72.38	0.52	224.00
6	992.00	1.27	20.02	991.93	4.86	6.86	-4.78	8.40	54.71	0.26	170.00
7	1,172.00	0.92	1.47	1,171.89	8.17	7.58	-8.09	11.15	42.84	0.27	180.00
8	1,356.00	1.19	347.59	1,355.86	11.52	7.21	-11.44	13.59	32.04	0.20	184.00
9	1,445.00	0.66	12.19	1,444.85	12.92	7.12	-12.84	14.75	28.85	0.73	89.00
10	1,630.00	1.27	9.56	1,629.82	15.98	7.68	-15.90	17.73	25.67	0.33	185.00
11	1,788.00	1.23	63.87	1,787.79	18.46	9.50	-18.35	20.76	27.22	0.72	158.00
12	1,810.00	1.01	48.32	1,809.79	18.69	9.85	-18.58	21.13	27.80	1.70	22.00
13	1,885.00	1.36	61.59	1,884.77	19.55	11.13	-19.43	22.50	29.65	0.59	75.00
14	2,068.00	1.93	41.73	2,067.70	22.89	15.09	-22.72	27.41	33.40	0.44	183.00
15	2,250.00	3.08	17.56	2,249.52	29.84	18.61	-29.63	35.16	31.95	0.84	182.00
16	2,432.00	3.60	7.71	2,431.22	40.16	20.85	-39.92	45.25	27.43	0.42	182.00
17	2,613.00	3.60	2.70	2,611.86	51.47	21.88	-51.22	55.92	23.03	0.17	181.00
18	2,795.00	3.60	6.39	2,793.50	62.85	22.78	-62.60	66.86	19.92	0.13	182.00
19	2,977.00	3.74	3.84	2,975.13	74.45	23.82	-74.18	78.17	17.74	0.12	182.00
20	3,160.00	3.60	6.39	3,157.75	86.12	24.86	-85.84	89.63	16.10	0.12	183.00
21	3,344.00	3.52	0.33	3,341.40	97.51	25.53	-97.22	100.80	14.67	0.21	184.00
22	3,525.00	3.56	353.47	3,522.05	108.65	24.92	-108.36	111.47	12.92	0.23	181.00
23	3,705.00	3.47	354.44	3,701.71	119.62	23.76	-119.35	121.96	11.23	0.06	180.00
24	3,885.00	3.38	2.97	3,881.39	130.34	23.51	-130.07	132.45	10.22	0.29	180.00
25	4,065.00	3.30	9.65	4,061.09	140.75	24.65	-140.47	142.89	9.93	0.22	180.00
26	4,246.00	3.38	8.50	4,241.78	151.16	26.31	-150.86	153.44	9.87	0.06	181.00
27	4,427.00	3.74	9.82	4,422.43	162.26	28.11	-161.93	164.67	9.83	0.20	181.00
28	4,609.00	3.69	6.31	4,604.05	173.93	29.76	-173.58	176.45	9.71	0.13	182.00
29	4,791.00	3.43	1.56	4,785.70	185.19	30.56	-184.84	187.69	9.37	0.22	182.00
30	4,972.00	1.23	339.41	4,966.54	192.42	30.02	-192.07	194.75	8.87	1.29	181.00
31	5,155.00	0.92	307.59	5,149.51	195.16	28.17	-194.83	197.18	8.21	0.36	183.00
32	5,282.00	1.14	326.05	5,276.49	196.83	26.65	-196.52	198.62	7.71	0.31	127.00
33	5,470.00	0.92	311.81	5,464.46	199.38	24.48	-199.10	200.88	7.00	0.18	188.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
34	5,652.00	0.22	289.05	5,646.45	200.47	23.06	-200.20	201.79	6.56	0.40	182.00
35	5,834.00	0.22	223.66	5,828.45	200.33	22.49	-200.07	201.59	6.41	0.13	182.00
36	6,018.00	0.31	213.90	6,012.45	199.66	21.97	-199.41	200.87	6.28	0.05	184.00
37	6,198.00	0.40	215.84	6,192.44	198.75	21.33	-198.50	199.89	6.13	0.05	180.00
38	6,380.00	0.35	200.46	6,374.44	197.72	20.76	-197.47	198.80	6.00	0.06	182.00
39	6,562.00	0.31	108.70	6,556.44	197.04	21.04	-196.79	198.16	6.09	0.26	182.00
40	6,743.00	0.66	57.37	6,737.43	197.44	22.38	-197.18	198.71	6.47	0.29	181.00
41	6,925.00	1.05	33.29	6,919.41	199.40	24.18	-199.12	200.86	6.91	0.29	182.00
42	7,108.00	1.58	32.67	7,102.36	202.93	26.46	-202.62	204.64	7.43	0.29	183.00
43	7,289.00	1.67	10.44	7,283.29	207.62	28.28	-207.29	209.54	7.76	0.35	181.00
44	7,471.00	1.49	4.99	7,465.22	212.59	28.97	-212.25	214.55	7.76	0.13	182.00
45	7,651.00	0.53	50.34	7,645.19	215.45	29.81	-215.10	217.50	7.88	0.66	180.00
46	7,831.00	0.44	33.38	7,825.19	216.56	30.84	-216.20	218.74	8.10	0.09	180.00
47	8,013.00	0.84	27.22	8,007.18	218.33	31.83	-217.96	220.64	8.29	0.22	182.00
48	8,194.00	0.44	11.58	8,188.16	220.19	32.58	-219.81	222.58	8.42	0.24	181.00
49	8,376.00	1.19	90.33	8,370.15	220.86	34.61	-220.46	223.56	8.91	0.65	182.00
50	8,559.00	1.27	98.68	8,553.11	220.54	38.51	-220.10	223.88	9.91	0.11	183.00
51	8,741.00	1.93	179.71	8,735.05	217.18	40.52	-216.71	220.92	10.57	1.17	182.00
52	8,923.00	1.45	247.04	8,916.99	213.21	38.42	-212.77	216.65	10.21	1.05	182.00
53	9,104.00	2.15	336.16	9,097.93	215.42	34.93	-215.02	218.24	9.21	1.42	181.00
54	9,286.00	1.32	221.64	9,279.88	216.98	32.16	-216.61	219.35	8.43	1.62	182.00
55	9,467.00	0.53	108.17	9,460.86	215.16	31.57	-214.80	217.47	8.35	0.89	181.00
56	9,648.00	0.88	123.99	9,641.85	214.12	33.52	-213.74	216.73	8.90	0.22	181.00
57	9,829.00	0.92	106.94	9,822.83	212.92	36.06	-212.51	215.96	9.61	0.15	181.00
58	10,011.00	0.97	124.26	10,004.80	211.63	38.73	-211.18	215.15	10.37	0.16	182.00
59	10,193.00	0.79	111.69	10,186.78	210.30	41.17	-209.83	214.29	11.08	0.14	182.00
60	10,387.00	0.31	155.28	10,380.77	209.33	42.63	-208.84	213.63	11.51	0.31	194.00
61	10,570.00	0.44	191.67	10,563.77	208.19	42.70	-207.70	212.52	11.59	0.14	183.00
62	10,754.00	1.54	267.60	10,747.74	207.39	40.09	-206.93	211.23	10.94	0.81	184.00
63	10,936.00	1.41	258.38	10,929.68	206.84	35.45	-206.43	209.86	9.72	0.15	182.00
64	11,027.00	2.51	261.72	11,020.63	206.33	32.38	-205.95	208.85	8.92	1.21	91.00
65	11,117.00	3.03	258.11	11,110.52	205.56	28.10	-205.23	207.47	7.78	0.61	90.00
66	11,213.00	3.30	256.97	11,206.38	204.41	22.93	-204.14	205.69	6.40	0.29	96.00
67	11,258.00	3.91	244.14	11,251.29	203.45	20.29	-203.21	204.46	5.69	2.24	45.00
68	11,303.00	4.88	235.96	11,296.16	201.71	17.32	-201.50	202.45	4.91	2.56	45.00
69	11,349.00	6.07	225.59	11,341.95	198.91	13.96	-198.74	199.40	4.01	3.35	46.00
70	11,395.00	8.09	218.03	11,387.59	194.66	10.23	-194.53	194.93	3.01	4.83	46.00
71	11,439.00	11.03	215.22	11,430.98	188.78	5.89	-188.70	188.87	1.79	6.76	44.00
72	11,486.00	13.80	212.50	11,476.88	180.38	0.29	-180.36	180.38	0.09	6.02	47.00
73	11,532.00	16.66	201.42	11,521.26	169.61	-5.07	-169.65	169.68	358.29	8.84	46.00
74	11,577.00	20.84	191.84	11,563.88	155.76	-9.07	-155.85	156.02	356.67	11.51	45.00
75	11,622.00	26.55	185.60	11,605.07	137.90	-11.70	-138.02	138.39	355.15	13.84	45.00
76	11,667.00	32.04	181.82	11,644.31	115.94	-13.06	-116.08	116.67	353.57	12.87	45.00
77	11,712.00	37.45	180.94	11,681.27	90.31	-13.67	-90.46	91.34	351.40	12.07	45.00
78	11,757.00	42.02	180.15	11,715.87	61.55	-13.93	-61.70	63.11	347.25	10.22	45.00
79	11,803.00	47.56	178.48	11,748.50	29.16	-13.52	-29.31	32.14	335.13	12.31	46.00
80	11,848.00	52.70	176.11	11,777.34	-5.32	-11.86	5.19	13.00	245.85	12.11	45.00
81	11,893.00	58.02	174.97	11,802.91	-42.21	-8.97	42.11	43.16	192.00	12.00	45.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
82	11,939.00	63.56	175.23	11,825.35	-82.20	-5.55	82.14	82.39	183.86	12.05	46.00
83	11,949.00	65.10	175.32	11,829.68	-91.18	-4.81	91.13	91.31	183.02	15.42	10.00
84	12,021.00	71.74	176.64	11,856.15	-157.94	-0.13	157.92	157.94	180.05	9.38	72.00
85	12,068.00	77.27	178.48	11,868.70	-203.17	1.79	203.17	203.17	179.50	12.36	47.00
86	12,116.00	81.27	179.19	11,877.64	-250.31	2.74	250.32	250.32	179.37	8.46	48.00
87	12,163.00	86.46	178.57	11,882.66	-297.01	3.66	297.04	297.04	179.29	11.12	47.00
88	12,211.00	90.77	177.87	11,883.82	-344.96	5.15	345.00	345.00	179.15	9.10	48.00
89	12,305.00	91.52	177.43	11,881.94	-438.87	9.00	438.94	438.96	178.83	0.92	94.00
90	12,400.00	89.36	176.20	11,881.21	-533.71	14.28	533.84	533.90	178.47	2.62	95.00
91	12,495.00	86.33	175.14	11,884.78	-628.36	21.44	628.56	628.72	178.05	3.38	95.00
92	12,590.00	86.42	175.32	11,890.79	-722.84	29.33	723.12	723.43	177.68	0.21	95.00
93	12,685.00	87.12	175.23	11,896.14	-817.37	37.14	817.73	818.21	177.40	0.74	95.00
94	12,780.00	87.78	175.76	11,900.37	-911.98	44.60	912.42	913.07	177.20	0.89	95.00
95	12,875.00	86.55	176.81	11,905.07	-1,006.66	50.74	1,007.16	1,007.94	177.11	1.70	95.00
96	12,970.00	89.05	179.63	11,908.71	-1,101.53	53.69	1,102.06	1,102.83	177.21	3.97	95.00
97	13,065.00	87.91	180.07	11,911.23	-1,196.49	53.94	1,197.02	1,197.71	177.42	1.29	95.00
98	13,160.00	87.21	179.98	11,915.28	-1,291.40	53.90	1,291.93	1,292.53	177.61	0.74	95.00
99	13,255.00	86.20	178.84	11,920.74	-1,386.24	54.87	1,386.77	1,387.32	177.73	1.60	95.00
100	13,350.00	89.58	178.66	11,924.24	-1,481.14	56.94	1,481.68	1,482.23	177.80	3.56	95.00
101	13,445.00	88.26	178.57	11,926.03	-1,576.09	59.24	1,576.65	1,577.20	177.85	1.39	95.00
102	13,540.00	89.67	179.89	11,927.74	-1,671.06	60.52	1,671.63	1,672.16	177.93	2.03	95.00
103	13,635.00	88.26	180.33	11,929.46	-1,766.04	60.33	1,766.61	1,767.07	178.04	1.55	95.00
104	13,730.00	87.16	181.21	11,933.25	-1,860.96	59.06	1,861.50	1,861.89	178.18	1.48	95.00
105	13,825.00	86.55	181.30	11,938.47	-1,955.79	56.98	1,956.31	1,956.62	178.33	0.65	95.00
106	13,920.00	85.45	181.30	11,945.09	-2,050.53	54.83	2,051.02	2,051.27	178.47	1.16	95.00
107	14,015.00	87.52	182.44	11,950.92	-2,145.30	51.74	2,145.74	2,145.92	178.62	2.49	95.00
108	14,111.00	89.01	183.67	11,953.82	-2,241.11	46.62	2,241.49	2,241.60	178.81	2.01	96.00
109	14,206.00	88.22	180.07	11,956.12	-2,336.02	43.52	2,336.36	2,336.42	178.93	3.88	95.00
110	14,301.00	88.22	178.84	11,959.07	-2,430.97	44.43	2,431.31	2,431.37	178.95	1.29	95.00
111	14,396.00	90.51	178.66	11,960.13	-2,525.93	46.50	2,526.29	2,526.36	178.95	2.42	95.00
112	14,491.00	86.46	176.55	11,962.64	-2,620.79	50.46	2,621.19	2,621.28	178.90	4.81	95.00
113	14,585.00	88.75	177.52	11,966.56	-2,714.58	55.32	2,715.02	2,715.14	178.83	2.65	94.00
114	14,680.00	90.51	177.52	11,967.18	-2,809.48	59.43	2,809.97	2,810.11	178.79	1.85	95.00
115	14,775.00	86.77	176.90	11,969.43	-2,904.32	64.05	2,904.86	2,905.03	178.74	3.99	95.00
116	14,869.00	86.15	177.17	11,975.24	-2,998.02	68.91	2,998.60	2,998.81	178.68	0.72	94.00
117	14,964.00	91.12	178.04	11,977.50	-3,092.88	72.87	3,093.50	3,093.74	178.65	5.31	95.00
118	15,059.00	86.33	176.02	11,979.61	-3,187.69	77.79	3,188.36	3,188.64	178.60	5.47	95.00
119	15,154.00	93.36	178.04	11,979.87	-3,282.50	82.71	3,283.22	3,283.54	178.56	7.70	95.00
120	15,249.00	87.16	174.35	11,979.44	-3,377.23	89.01	3,378.01	3,378.40	178.49	7.59	95.00
121	15,344.00	85.89	176.37	11,985.20	-3,471.74	96.68	3,472.60	3,473.08	178.40	2.51	95.00
122	15,439.00	86.59	178.21	11,991.43	-3,566.42	101.16	3,567.33	3,567.86	178.38	2.07	95.00
123	15,534.00	90.02	182.60	11,994.24	-3,661.34	100.49	3,662.23	3,662.72	178.43	5.86	95.00
124	15,629.00	90.11	182.43	11,994.13	-3,756.25	96.32	3,757.09	3,757.48	178.53	0.20	95.00
125	15,723.00	91.43	181.90	11,992.87	-3,850.17	92.77	3,850.97	3,851.29	178.62	1.51	94.00
126	15,819.00	91.38	181.11	11,990.51	-3,946.11	90.25	3,946.87	3,947.14	178.69	0.82	96.00
127	15,913.00	90.07	180.76	11,989.32	-4,040.09	88.71	4,040.82	4,041.06	178.74	1.44	94.00
128	16,008.00	88.75	181.64	11,990.30	-4,135.06	86.73	4,135.77	4,135.97	178.80	1.67	95.00
129	16,103.00	89.01	181.37	11,992.16	-4,230.01	84.23	4,230.68	4,230.84	178.86	0.39	95.00

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
130	16,198.00	86.59	181.20	11,995.81	-4,324.90	82.10	4,325.55	4,325.68	178.91	2.55	95.00
131	16,293.00	84.88	181.81	12,002.87	-4,419.60	79.61	4,420.22	4,420.32	178.97	1.91	95.00
132	16,388.00	87.65	181.37	12,009.06	-4,514.36	76.98	4,514.94	4,515.01	179.02	2.95	95.00
133	16,483.00	90.64	181.46	12,010.48	-4,609.31	74.64	4,609.85	4,609.91	179.07	3.15	95.00
134	16,577.00	91.56	179.88	12,008.67	-4,703.28	73.54	4,703.81	4,703.85	179.10	1.94	94.00
135	16,608.00	91.78	180.58	12,007.77	-4,734.27	73.42	4,734.79	4,734.83	179.11	2.37	31.00