



Total Directional
Services, LLC

USA Operations

Final MWD Survey Certification

Lea County, New Mexico

Client: Devon Energy

Well Name: Grumpy Cat 15 Fed Com 214H

Total Job No: 2019-385-103

API No: 30-025-45732

Start Date: 7/13/2019

End Date: 7/31/2019

Measured Start Depth: 0 feet

Measured End Depth with PTB: 15725 feet

HOBBS OCD
JAN 06 2020
RECEIVED

I, Michael Bolen, MWD Operator, hereby certify that; I am employed by Total Directional Services, LLC and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 7/31/2019

Signed: Michael Bolen



driven TOTALLY by performance.

Directional Survey Report

Company Name: Devon Energy
Well Name: Grumpy Cat 15 Fed Com 214H
Field: Lea
Rig ID: Cactus 103

State/Prov: NM
County: Lea County
Location: Grumpy Cat 15 Fed Com
API/UWI: 30-025-45732

Survey Company: Total Directional Services LLC
Job Number: 2019-385-103
Latitude: 32.311659
Longitude: -103.655262

Proposed Azimuth: 179.62
Declination: 6.78
North Reference: Grid
KB: 3735.8

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	Northing	Easting	Bulld	Turn
TieIn	0	0	0	0	0	0	0	0	0	0	0	0	0
1	72	0.30	170.90	72.00	-0.19	0.03	0.19	0.42	72	-0.19	0.03	0.42	237.36
2	165.32	0.70	211.70	165.32	-0.91	-0.23	0.91	0.55	93.32	-0.91	-0.23	0.43	43.72
3	198	0.40	222.10	197.99	-1.17	-0.41	1.16	0.96	32.68	-1.17	-0.41	-0.92	31.82
4	262	0.40	199.80	261.99	-1.54	-0.64	1.54	0.24	64	-1.54	-0.64	0	-34.84
5	357	0.60	212.90	356.99	-2.27	-1.02	2.27	0.24	95	-2.27	-1.02	0.21	13.79
6	452	0.60	205.90	451.98	-3.14	-1.51	3.13	0.08	95	-3.14	-1.51	0	-7.37
7	548	0.50	208.30	547.98	-3.96	-1.93	3.95	0.11	96	-3.96	-1.93	-0.10	2.50
8	643	0.60	204.60	642.98	-4.78	-2.33	4.76	0.11	95	-4.78	-2.33	0.11	-3.89
9	738	0.60	189.90	737.97	-5.72	-2.62	5.70	0.16	95	-5.72	-2.62	0	-15.47
10	832	0.60	195.20	831.97	-6.68	-2.84	6.66	0.06	94	-6.68	-2.84	0	5.64
11	927	0.60	204.30	926.96	-7.61	-3.17	7.59	0.10	95	-7.61	-3.17	0	9.58
12	1022	0.70	206.40	1,021.95	-8.58	-3.63	8.56	0.11	95	-8.58	-3.63	0.11	2.21
13	1118	0.80	201.80	1,117.95	-9.73	-4.14	9.70	0.12	96	-9.73	-4.14	0.10	-4.79
14	1167	0.80	201.40	1,166.94	-10.37	-4.40	10.34	0.01	49	-10.37	-4.40	0	-0.82
15	1269	0.30	187.60	1,268.94	-11.30	-4.69	11.26	0.50	102	-11.30	-4.69	-0.49	-13.53
16	1365	0.20	173.40	1,364.93	-11.71	-4.70	11.68	0.12	96	-11.71	-4.70	-0.10	-14.79
17	1459	0.30	190	1,458.93	-12.12	-4.73	12.08	0.13	94	-12.12	-4.73	0.11	17.66
18	1555	0.20	184.60	1,554.93	-12.53	-4.79	12.50	0.11	96	-12.53	-4.79	-0.10	-5.63
19	1649	0.10	243.10	1,648.93	-12.73	-4.87	12.70	0.18	94	-12.73	-4.87	-0.11	62.23
20	1745	0.10	248	1,744.93	-12.80	-5.02	12.77	0.01	96	-12.80	-5.02	0	5.10
21	1840	0.10	219.60	1,839.93	-12.90	-5.15	12.86	0.05	95	-12.90	-5.15	0	-29.89
22	1935	0.10	184.90	1,934.93	-13.04	-5.21	13.01	0.06	95	-13.04	-5.21	0	-36.53
23	2030	0.10	194.20	2,029.93	-13.21	-5.24	13.17	0.02	95	-13.21	-5.24	0	9.79
24	2125	0	143.30	2,124.93	-13.29	-5.26	13.25	0.11	95	-13.29	-5.26	-0.11	-53.58
25	2220	0	80.10	2,219.93	-13.29	-5.26	13.25	0	95	-13.29	-5.26	0	-66.53
26	2316	0.10	36.50	2,315.93	-13.22	-5.21	13.18	0.10	96	-13.22	-5.21	0.10	-45.42
27	2411	0.10	356.50	2,410.93	-13.07	-5.17	13.03	0.07	95	-13.07	-5.17	0	147.37
28	2506	0.70	40	2,505.93	-12.54	-4.80	12.51	0.66	95	-12.54	-4.80	0.63	-143.68
29	2601	2.30	52.20	2,600.89	-10.93	-2.92	10.91	1.71	95	-10.93	-2.92	1.68	12.84
30	2696	3.70	54.50	2,695.76	-7.98	1.08	7.99	1.48	95	-7.98	1.08	1.47	2.42
31	2792	4.50	61.20	2,791.52	-4.37	6.90	4.41	0.97	96	-4.37	6.90	0.83	6.98
32	2887	5.30	64.60	2,886.17	-0.69	14.13	0.78	0.90	95	-0.69	14.13	0.84	3.58
33	2982	6.30	65	2,980.68	3.40	22.82	-3.24	1.05	95	3.40	22.82	1.05	0.42

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	Northing	Easting	Bulld	Turn
34	3077	7.90	69	3,074.95	7.94	33.64	-7.72	1.76	95	7.94	33.64	1.68	4.21
35	3173	8.70	72.20	3,169.94	12.52	46.71	-12.21	0.96	96	12.52	46.71	0.83	3.33
36	3268	8.40	71.80	3,263.89	16.89	60.15	-16.49	0.32	95	16.89	60.15	-0.32	-0.42
37	3363	9.10	71.80	3,357.78	21.40	73.87	-20.91	0.74	95	21.40	73.87	0.74	0
38	3458	9.10	71.60	3,451.59	26.12	88.14	-25.53	0.03	95	26.12	88.14	0	-0.21
39	3554	9.20	71.80	3,546.36	30.91	102.63	-30.23	0.11	96	30.91	102.63	0.10	0.21
40	3649	8.60	71	3,640.22	35.60	116.56	-34.82	0.64	95	35.60	116.56	-0.63	-0.84
41	3744	9.90	77.80	3,733.99	39.63	131.26	-38.76	1.79	95	39.63	131.26	1.37	7.16
42	3839	9.30	78.20	3,827.65	42.93	146.76	-41.95	0.64	95	42.93	146.76	-0.63	0.42
43	3935	8.20	77.70	3,922.54	45.97	161.04	-44.90	1.15	96	45.97	161.04	-1.15	-0.52
44	4030	9.40	78.50	4,016.42	48.96	175.26	-47.80	1.27	95	48.96	175.26	1.26	0.84
45	4125	9.70	80.80	4,110.10	51.79	190.77	-50.52	0.51	95	51.79	190.77	0.32	2.42
46	4220	9.90	80.50	4,203.71	54.42	206.72	-53.05	0.22	95	54.42	206.72	0.21	-0.32
47	4316	9.90	77.70	4,298.28	57.54	222.92	-56.06	0.50	96	57.54	222.92	0	-2.92
48	4411	10.70	77.60	4,391.75	61.17	239.52	-59.58	0.84	95	61.17	239.52	0.84	-0.11
49	4506	10.70	80.70	4,485.10	64.49	256.83	-62.79	0.61	95	64.49	256.83	0	3.26
50	4601	10.60	85.10	4,578.47	66.66	274.24	-64.84	0.86	95	66.66	274.24	-0.11	4.63
51	4696	10.50	86.50	4,671.86	67.94	291.59	-66.00	0.29	95	67.94	291.59	-0.11	1.47
52	4791	9.10	84.40	4,765.47	69.20	307.71	-67.16	1.52	95	69.20	307.71	-1.47	-2.21
53	4886	8.20	84	4,859.39	70.64	321.92	-68.50	0.95	95	70.64	321.92	-0.95	-0.42
54	4982	9.20	76.40	4,954.29	73.16	336.19	-70.93	1.59	96	73.16	336.19	1.04	-7.92
55	5076	10.20	75.90	5,046.94	76.95	351.57	-74.62	1.07	94	76.95	351.57	1.06	-0.53
56	5172	10.10	75.90	5,141.44	81.08	367.97	-78.63	0.10	96	81.08	367.97	-0.10	0
57	5267	9.90	76.30	5,235.00	85.04	383.99	-82.49	0.22	95	85.04	383.99	-0.21	0.42
58	5362	9.60	79.60	5,328.63	88.40	399.71	-85.75	0.67	95	88.40	399.71	-0.32	3.47
59	5458	9.10	79.80	5,423.35	91.19	415.06	-88.44	0.52	96	91.19	415.06	-0.52	0.21
60	5553	8.80	77.70	5,517.19	94.07	429.55	-91.22	0.47	95	94.07	429.55	-0.32	-2.21
61	5648	9.40	79.20	5,611.00	97.07	444.27	-94.12	0.68	95	97.07	444.27	0.63	1.58
62	5743	8.90	78.50	5,704.79	99.99	459.10	-96.95	0.54	95	99.99	459.10	-0.53	-0.74
63	5838	8.40	75.10	5,798.71	103.24	473.00	-100.10	0.75	95	103.24	473.00	-0.53	-3.58
64	5934	8.20	74.60	5,893.70	106.86	486.38	-103.63	0.22	96	106.86	486.38	-0.21	-0.52
65	6029	7.80	73.50	5,987.78	110.49	499.09	-107.18	0.45	95	110.49	499.09	-0.42	-1.16
66	6124	7.30	73.90	6,081.95	114.00	511.07	-110.61	0.53	95	114.00	511.07	-0.53	0.42
67	6219	7.20	73.50	6,176.19	117.36	522.58	-113.89	0.12	95	117.36	522.58	-0.11	-0.42
68	6315	7.10	73.30	6,271.45	120.78	534.03	-117.23	0.11	96	120.78	534.03	-0.10	-0.21
69	6410	6.60	72.50	6,365.77	124.10	544.86	-120.49	0.54	95	124.10	544.86	-0.53	-0.84
70	6505	6.20	72.20	6,460.18	127.31	554.95	-123.63	0.42	95	127.31	554.95	-0.42	-0.32
71	6600	5.70	71.60	6,554.67	130.37	564.31	-126.63	0.53	95	130.37	564.31	-0.53	-0.63
72	6696	5.40	70.20	6,650.22	133.41	573.09	-129.60	0.34	96	133.41	573.09	-0.31	-1.46
73	6791	5	69.20	6,744.82	136.39	581.16	-132.53	0.43	95	136.39	581.16	-0.42	-1.05
74	6886	4.60	67.90	6,839.49	139.29	588.56	-135.39	0.44	95	139.29	588.56	-0.42	-1.37
75	6981	4.20	66.80	6,934.21	142.10	595.29	-138.15	0.43	95	142.10	595.29	-0.42	-1.16
76	7077	3.80	64.70	7,029.98	144.84	601.40	-140.85	0.44	96	144.84	601.40	-0.42	-2.19
77	7172	3.40	65.70	7,124.79	147.35	606.81	-143.32	0.43	95	147.35	606.81	-0.42	1.05
78	7267	3	76.50	7,219.64	149.09	611.79	-145.03	0.76	95	149.09	611.79	-0.42	11.37

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	Northing	Easting	Buld	Turn
79	7362	2.50	86.20	7,314.53	149.80	616.28	-145.71	0.72	95	149.80	616.28	-0.53	10.21
80	7458	2.60	102.60	7,410.44	149.47	620.49	-145.35	0.76	96	149.47	620.49	0.10	17.08
81	7553	2.10	131.30	7,505.36	147.85	623.90	-143.71	1.33	95	147.85	623.90	-0.53	30.21
82	7648	1.80	115.80	7,600.31	146.05	626.55	-141.89	0.64	95	146.05	626.55	-0.32	-16.32
83	7743	1.90	114.40	7,695.26	144.75	629.33	-140.57	0.12	95	144.75	629.33	0.11	-1.47
84	7838	1.80	121.80	7,790.21	143.31	632.03	-139.12	0.27	95	143.31	632.03	-0.11	7.79
85	7933	1.80	128.50	7,885.16	141.60	634.47	-137.39	0.22	95	141.60	634.47	0	7.05
86	8028	1.50	131.90	7,980.12	139.84	636.56	-135.62	0.33	95	139.84	636.56	-0.32	3.58
87	8123	1.40	131.80	8,075.09	138.24	638.35	-134.00	0.11	95	138.24	638.35	-0.11	-0.11
88	8219	1.10	134.80	8,171.07	136.81	639.88	-132.56	0.32	96	136.81	639.88	-0.31	3.13
89	8314	1	137.30	8,266.05	135.55	641.09	-131.30	0.12	95	135.55	641.09	-0.11	2.63
90	8409	0.90	141.80	8,361.04	134.36	642.11	-130.10	0.13	95	134.36	642.11	-0.11	4.74
91	8504	0.80	138.70	8,456.03	133.27	643.01	-129.01	0.12	95	133.27	643.01	-0.11	-3.26
92	8599	1	142.50	8,551.02	132.12	643.96	-127.84	0.22	95	132.12	643.96	0.21	4
93	8695	1.10	145.70	8,647.00	130.69	644.99	-126.41	0.12	96	130.69	644.99	0.10	3.33
94	8777	1.10	147.80	8,728.99	129.38	645.85	-125.09	0.05	82	129.38	645.85	0	2.56
95	8903	1.30	129	8,854.96	127.45	647.60	-123.15	0.35	126	127.45	647.60	0.16	-14.92
96	8998	1.30	121.10	8,949.93	126.22	649.36	-121.91	0.19	95	126.22	649.36	0	-8.32
97	9093	1.50	129.10	9,044.91	124.88	651.25	-120.55	0.29	95	124.88	651.25	0.21	8.42
98	9188	1.60	128.10	9,139.87	123.27	653.26	-118.94	0.11	95	123.27	653.26	0.11	-1.05
99	9284	2.50	146.60	9,235.81	120.70	655.47	-116.35	1.15	96	120.70	655.47	0.94	19.27
100	9379	3.10	150.70	9,330.70	116.73	657.87	-112.36	0.67	95	116.73	657.87	0.63	4.32
101	9474	2.80	155.20	9,425.57	112.38	660.10	-108.00	0.40	95	112.38	660.10	-0.32	4.74
102	9569	1.90	147.70	9,520.49	108.95	661.91	-104.55	1.00	95	108.95	661.91	-0.95	-7.89
103	9665	1.70	139.10	9,616.44	106.52	663.69	-102.12	0.35	96	106.52	663.69	-0.21	-8.96
104	9760	1.80	140.20	9,711.40	104.31	665.57	-99.90	0.11	95	104.31	665.57	0.11	1.16
105	9858	1.60	95.50	9,809.36	103.00	667.92	-98.57	1.33	98	103.00	667.92	-0.20	-45.61
106	9953	1.20	78.20	9,904.33	103.07	670.21	-98.63	0.61	95	103.07	670.21	-0.42	-18.21
107	10048	1	81.80	9,999.31	103.40	672.01	-98.94	0.22	95	103.40	672.01	-0.21	3.79
108	10143	0.50	49.80	10,094.31	103.78	673.14	-99.32	0.67	95	103.78	673.14	-0.53	-33.68
109	10238	0.30	146.70	10,189.30	103.84	673.60	-99.37	0.65	95	103.84	673.60	-0.21	102
110	10333	6.20	201.10	10,284.11	98.84	671.89	-94.39	6.35	95	98.84	671.89	6.21	57.26
111	10429	17.80	193.90	10,377.86	79.70	666.48	-75.28	12.16	96	79.70	666.48	12.08	-7.50
112	10524	25.80	199.40	10,466.00	46.04	656.10	-41.69	8.68	95	46.04	656.10	8.42	5.79
113	10619	34.20	194.90	10,548.21	0.66	642.34	3.60	9.15	95	0.66	642.34	8.84	-4.74
114	10714	43.50	197.20	10,622.12	-56.51	625.77	60.66	9.91	95	-56.51	625.77	9.79	2.42
115	10810	56.40	196.10	10,683.76	-126.78	604.83	130.79	13.47	96	-126.78	604.83	13.44	-1.15
116	10905	68.20	194.80	10,727.85	-207.72	582.51	211.58	12.48	95	-207.72	582.51	12.42	-1.37
117	11000	82.50	193.10	10,751.81	-296.70	560.45	300.41	15.15	95	-296.70	560.45	15.05	-1.79
118	11095	94	189.10	10,754.71	-389.71	542.22	393.29	12.81	95	-389.71	542.22	12.11	-4.21
119	11191	94.90	176.60	10,747.23	-485.10	537.46	488.66	13.02	96	-485.10	537.46	0.94	-13.02
120	11286	92	170.50	10,741.51	-579.28	548.11	582.90	7.10	95	-579.28	548.11	-3.05	-6.42
121	11381	92.20	170.20	10,738.03	-672.87	564.03	676.60	0.38	95	-672.87	564.03	0.21	-0.32
122	11476	89.90	172.10	10,736.29	-766.71	578.64	770.53	3.14	95	-766.71	578.64	-2.42	2
123	11571	89.40	174.80	10,736.87	-861.08	589.47	864.97	2.89	95	-861.08	589.47	-0.53	2.84

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	Northing	Easting	Bulld	Turn
124	11667	89.30	178.50	10,737.96	-956.89	595.08	960.82	3.86	96	-956.89	595.08	-0.10	3.85
125	11762	89.60	179.80	10,738.87	-1,051.88	596.49	1,055.81	1.40	95	-1,051.88	596.49	0.32	1.37
126	11857	91.80	180.30	10,737.71	-1,146.86	596.41	1,150.79	2.37	95	-1,146.86	596.41	2.32	0.53
127	11952	90.10	178.20	10,736.13	-1,241.83	597.65	1,245.77	2.84	95	-1,241.83	597.65	-1.79	-2.21
128	12048	90.30	178.10	10,735.80	-1,337.78	600.75	1,341.74	0.23	96	-1,337.78	600.75	0.21	-0.10
129	12143	91	178.20	10,734.72	-1,432.73	603.82	1,436.70	0.74	95	-1,432.73	603.82	0.74	0.11
130	12238	91.90	178.10	10,732.32	-1,527.65	606.89	1,531.64	0.95	95	-1,527.65	606.89	0.95	-0.11
131	12333	89.70	177.30	10,730.99	-1,622.55	610.70	1,626.57	2.46	95	-1,622.55	610.70	-2.32	-0.84
132	12429	90.40	177	10,730.91	-1,718.43	615.47	1,722.48	0.79	96	-1,718.43	615.47	0.73	-0.31
133	12524	91.20	176.90	10,729.58	-1,813.29	620.52	1,817.37	0.85	95	-1,813.29	620.52	0.84	-0.11
134	12619	91.80	177.30	10,727.09	-1,908.14	625.33	1,912.24	0.76	95	-1,908.14	625.33	0.63	0.42
135	12714	90.50	179.70	10,725.19	-2,003.07	627.81	2,007.19	2.87	95	-2,003.07	627.81	-1.37	2.53
136	12810	90.90	180.40	10,724.01	-2,099.07	627.73	2,103.18	0.84	96	-2,099.07	627.73	0.42	0.73
137	12905	90.50	179.50	10,722.85	-2,194.06	627.81	2,198.17	1.04	95	-2,194.06	627.81	-0.42	-0.95
138	13000	88.50	178.20	10,723.68	-2,289.03	629.72	2,293.15	2.51	95	-2,289.03	629.72	-2.11	-1.37
139	13095	88.60	177.40	10,726.09	-2,383.93	633.37	2,388.08	0.85	95	-2,383.93	633.37	0.11	-0.84
140	13190	89.70	177	10,727.50	-2,478.80	638.01	2,482.98	1.23	95	-2,478.80	638.01	1.16	-0.42
141	13285	91.20	177.30	10,726.75	-2,573.68	642.73	2,577.88	1.61	95	-2,573.68	642.73	1.58	0.32
142	13380	89.50	178.20	10,726.17	-2,668.60	646.46	2,672.83	2.02	95	-2,668.60	646.46	-1.79	0.95
143	13475	90.40	178.50	10,726.25	-2,763.56	649.19	2,767.80	1.00	95	-2,763.56	649.19	0.95	0.32
144	13571	91.70	178.80	10,724.49	-2,859.51	651.46	2,863.77	1.39	96	-2,859.51	651.46	1.35	0.31
145	13666	89.30	178.60	10,723.66	-2,954.48	653.61	2,958.75	2.54	95	-2,954.48	653.61	-2.53	-0.21
146	13761	90.30	178.40	10,724.00	-3,049.44	656.10	3,053.73	1.07	95	-3,049.44	656.10	1.05	-0.21
147	13856	92.20	178	10,721.92	-3,144.37	659.08	3,148.67	2.04	95	-3,144.37	659.08	2	-0.42
148	13952	90.20	179.20	10,719.91	-3,240.31	661.42	3,244.63	2.43	96	-3,240.31	661.42	-2.08	1.25
149	14047	91.20	179.10	10,718.75	-3,335.30	662.83	3,339.62	1.06	95	-3,335.30	662.83	1.05	-0.11
150	14142	89.70	178.20	10,718.01	-3,430.26	665.07	3,434.60	1.84	95	-3,430.26	665.07	-1.58	-0.95
151	14237	90.40	177.80	10,717.92	-3,525.20	668.39	3,529.56	0.85	95	-3,525.20	668.39	0.74	-0.42
152	14333	88.40	177.90	10,718.93	-3,621.13	671.99	3,625.50	2.09	96	-3,621.13	671.99	-2.08	0.10
153	14428	89.20	177.70	10,720.92	-3,716.03	675.63	3,720.43	0.87	95	-3,716.03	675.63	0.84	-0.21
154	14523	91.10	177.50	10,720.67	-3,810.95	679.61	3,815.37	2.01	95	-3,810.95	679.61	2	-0.21
155	14618	89.80	178.90	10,719.92	-3,905.89	682.60	3,910.33	2.01	95	-3,905.89	682.60	-1.37	1.47
156	14714	90.50	178.90	10,719.67	-4,001.87	684.44	4,006.32	0.73	96	-4,001.87	684.44	0.73	0
157	14809	89.50	180	10,719.67	-4,096.87	685.35	4,101.32	1.56	95	-4,096.87	685.35	-1.05	1.16
158	14904	90	180.70	10,720.09	-4,191.86	684.77	4,196.31	0.91	95	-4,191.86	684.77	0.53	0.74
159	14999	91.90	180.40	10,718.51	-4,286.84	683.86	4,291.28	2.02	95	-4,286.84	683.86	2	-0.32
160	15094	89.90	180.40	10,717.02	-4,381.82	683.20	4,386.26	2.11	95	-4,381.82	683.20	-2.11	0
161	15190	90.90	180.20	10,716.35	-4,477.82	682.69	4,482.25	1.06	96	-4,477.82	682.69	1.04	-0.21
162	15285	92.70	180.10	10,713.36	-4,572.77	682.44	4,577.19	1.90	95	-4,572.77	682.44	1.89	-0.11
163	15380	90.90	180	10,710.38	-4,667.71	682.36	4,672.14	1.90	95	-4,667.71	682.36	-1.89	-0.11
164	15476	90.50	179.80	10,709.21	-4,763.71	682.53	4,768.13	0.47	96	-4,763.71	682.53	-0.42	-0.21
165	15571	91.70	179.10	10,707.38	-4,858.68	683.44	4,863.11	1.46	95	-4,858.68	683.44	1.26	-0.74
166	15666	93.50	178.20	10,703.08	-4,953.55	685.68	4,957.99	2.12	95	-4,953.55	685.68	1.89	-0.95
167	15674	93.80	178.10	10,702.57	-4,961.53	685.93	4,965.97	3.95	8	-4,961.53	685.93	3.75	-1.25
PTB	15725	93.80	178.10	10,699.19	-5,012.39	687.62	5,016.84	0	51	-5,012.39	687.62	0	0

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	Northing	Easting	Build	Turn
-----	-------	-----	-----	-----	----	----	----	-----	----	----------	---------	-------	------