

Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

BOPCO, LP
PO Box 2760
Midland, TX 79702

Date: October 4, 2013

30-015-41056

Attention: Brian Braun

Re: BOPCO, LP
Well: Poker Lake Unit 422H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

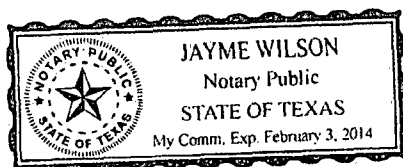
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Zack Snyder MWD Supervisor	422H	6642 MD 15822' MD	9/8/2013 9/28/2013	Measurement While Drilling

A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Ops Coordinator

On this, the 7th day of October, 2013, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public

BOPCO, L.P.

Poker Lake Unit 422H Eddy Co, NM

KB ELEV: 3207
GLE ELEV: 3188

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3538.00	0.14	150.33	3537.64	-9.56	-27.37	0.00	0.00	-27.39	
2	3542.67	0.00	89.78	3542.31	-9.56	-27.37	3.00	180.00	-27.39	
3	6691.17	0.00	89.78	6690.82	-9.56	-27.37	0.00	0.00	-27.39	
4	7391.17	70.00	89.78	7229.22	-8.09	349.63	10.00	89.78	349.61	
5	7591.17	70.00	89.78	7297.63	-7.36	537.56	0.00	0.00	537.55	
6	7776.92	88.57	89.78	7332.00	-6.65	719.27	10.00	0.00	719.25	
7	12800.85	88.57	89.78	7457.00	12.93	5741.61	0.00	0.00	5741.62	T2
8	12836.38	89.64	89.87	7457.55	13.04	5777.14	3.00	5.11	5777.15	
9	15898.21	89.64	89.87	7477.00	19.90	8838.90	0.00	0.00	8838.92	PBHL

SITE DETAILS

Poker Lake Unit 422H
Site Centre Northing: 410598.97
Easting: 629893.50
Ground Level: 3188.00
Positional Uncertainty: 0.00
Convergence: 0.22

WELL DETAILS

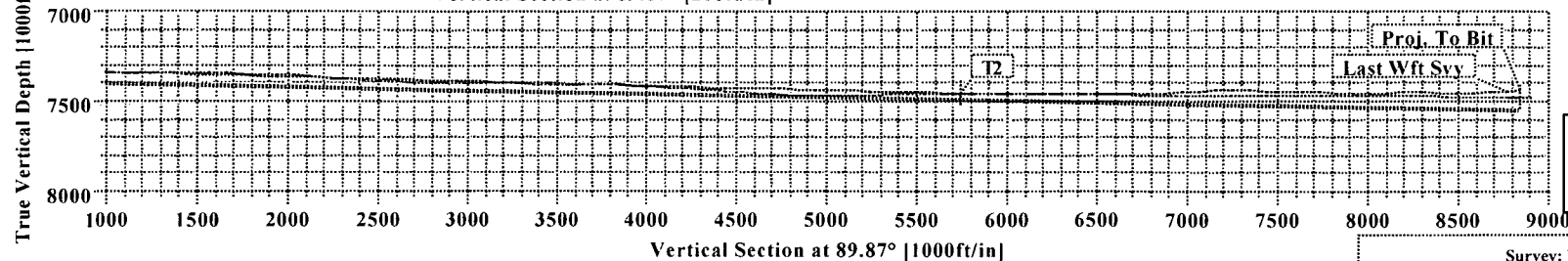
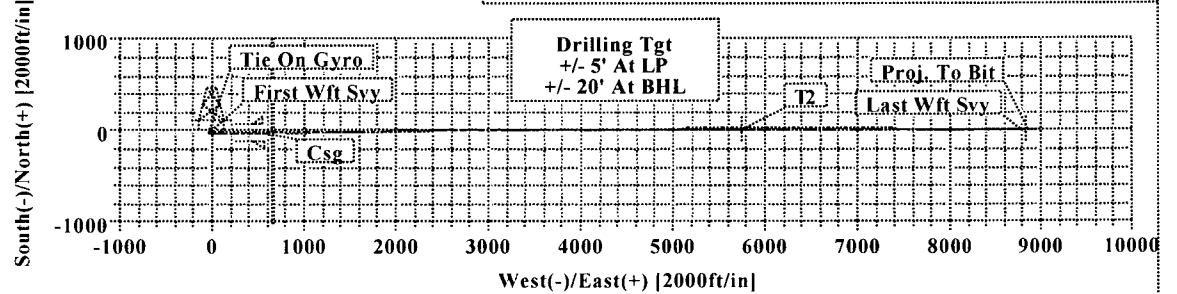
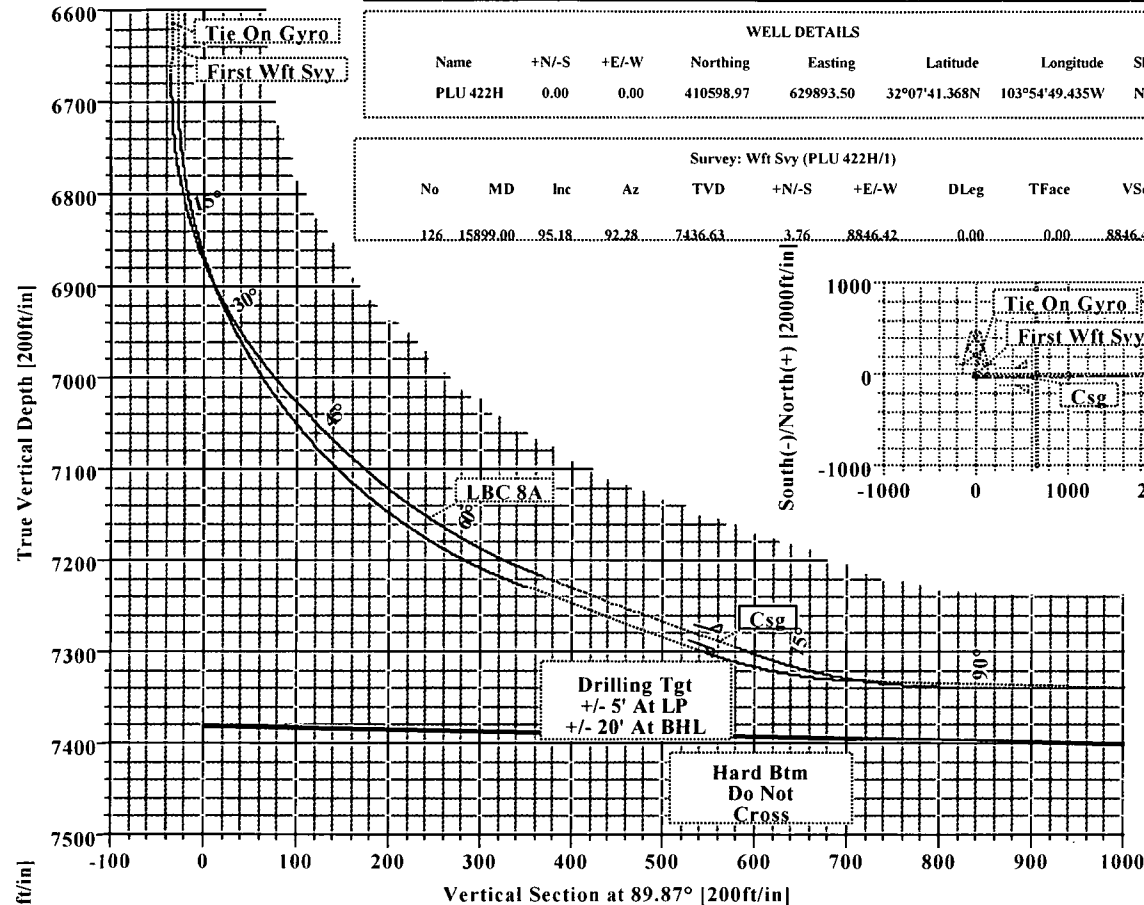
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 422H	0.00	0.00	410598.97	629893.50	32°07'41.368N	103°54'49.435W	N/A

Survey: Wft Svy (PLU 422H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
126	15899.00	95.18	92.28	7436.63	3.76	8846.42	0.00	0.00	8846.40

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
T2	7457.00	12.93	5741.61	410611.90	635635.11	Point
PBHL	7477.00	19.90	8838.90	410618.87	638732.40	Point



LEGEND

- PLU 422H, I, Gyro
- PLU 422H, I, Plan #5
- Wft Svy

Survey: Wft Svy (PLU 422H/1)

Created By: Russell W. Joyner

Date: 9/28/2013

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Wft Survey Report X Y's.



Weatherford

Company: BOPCO, L.P.	Date: 9/28/2013	Time: 08:35:13	Page: 1
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference: Well: PLU 422H, Grid North		
Site: Poker Lake Unit 422H	Vertical (TVD) Reference: SITE 3207.0		
Well: PLU 422H	Section (VS) Reference: Well (0.00N,0.00E,89.87Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 9/9/2013
Company: Weatherford	Engineer: Russell W. Joyner
Tool: MWD,MWD - Standard	Tied-to: User Defined

Site: Poker Lake Unit 422H									
Site Position:		Northing:		410598.97 ft		Latitude:		32 7 41.368 N	
From: Map		Easting:		629893.50 ft		Longitude:		103 54 49.435 W	
Position Uncertainty:		0.00 ft				North Reference:		Grid	
Ground Level:		3188.00 ft				Grid Convergence:		0.22 deg	

Well: PLU 422H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 7 41.368 N
+E/-W 0.00 ft	Longitude: 103 54 49.435 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 8/30/2013	Above System Datum: Mean Sea Level
Field Strength: 48326 nT	Declination: 7.47 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 59.98 deg
ft	+N/-S
	ft
	+E/-W
	ft
	Direction
	deg
0.00	0.00
0.00	0.00
0.00	89.87

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
6614.50	1.05	215.75	6613.95	-24.26	-33.81	0.00	-33.86	410574.71	629859.69	Tie On Gyro First Wft Svy
6642.00	1.09	219.07	6641.44	-24.67	-34.12	0.27	-34.18	410574.30	629859.38	
6672.00	0.84	213.73	6671.44	-25.07	-34.42	0.88	-34.48	410573.90	629859.08	
6703.00	1.44	101.07	6702.44	-25.34	-34.17	6.21	-34.22	410573.63	629859.33	
6735.00	5.06	89.54	6734.38	-25.40	-32.36	11.44	-32.42	410573.57	629861.14	
6767.00	9.05	87.01	6766.13	-25.26	-28.43	12.50	-28.49	410573.71	629865.07	
6799.00	12.40	85.95	6797.57	-24.88	-22.49	10.49	-22.55	410574.09	629871.01	
6829.00	15.82	84.66	6826.66	-24.28	-15.21	11.45	-15.26	410574.69	629878.29	
6861.00	19.55	85.74	6857.14	-23.47	-5.52	11.70	-5.57	410575.50	629887.98	
6891.00	23.20	88.24	6885.07	-22.92	5.40	12.54	5.34	410576.05	629898.90	
6922.00	27.16	89.48	6913.12	-22.67	18.58	12.89	18.53	410576.30	629912.08	
6953.00	31.30	89.68	6940.17	-22.56	33.71	13.36	33.66	410576.41	629927.21	
6984.00	35.13	89.30	6966.10	-22.40	50.69	12.37	50.64	410576.57	629944.19	
7015.00	38.25	89.75	6990.95	-22.25	69.21	10.10	69.16	410576.72	629962.71	
7046.00	41.19	89.84	7014.80	-22.18	89.02	9.49	88.97	410576.79	629982.52	
7078.00	43.37	89.80	7038.47	-22.11	110.54	6.81	110.49	410576.86	630004.04	
7109.00	44.91	89.86	7060.72	-22.05	132.13	4.97	132.08	410576.92	630025.63	
7141.00	46.60	89.64	7083.04	-21.95	155.06	5.30	155.00	410577.02	630048.56	
7172.00	49.10	89.57	7103.84	-21.79	178.04	8.07	177.99	410577.18	630071.54	
7203.00	52.17	89.43	7123.50	-21.58	202.00	9.91	201.95	410577.39	630095.50	
7234.00	54.96	90.20	7141.91	-21.50	226.94	9.22	226.89	410577.47	630120.44	
7266.00	57.74	90.50	7159.64	-21.67	253.57	8.72	253.52	410577.30	630147.07	
7298.00	59.88	90.38	7176.22	-21.88	280.94	6.70	280.89	410577.09	630174.44	
7329.00	62.84	90.12	7191.07	-21.99	308.15	9.58	308.10	410576.98	630201.65	
7361.00	66.00	90.20	7204.89	-22.08	337.01	9.88	336.96	410576.89	630230.51	
7393.00	68.37	89.89	7217.29	-22.10	366.50	7.46	366.45	410576.87	630260.00	
7425.00	69.26	89.86	7228.86	-22.03	396.34	2.78	396.29	410576.94	630289.84	
7456.00	69.71	89.77	7239.72	-21.94	425.37	1.48	425.32	410577.03	630318.87	
7487.00	69.48	89.86	7250.53	-21.85	454.43	0.79	454.38	410577.12	630347.93	
7518.00	70.15	90.10	7261.23	-21.84	483.52	2.28	483.47	410577.13	630377.02	

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Wft Survey Report X Y's.



Weatherford

Company: BOPCO, L.P. Field: Eddy County, NM (Nad 27) Site: Poker Lake Unit 422H Well: PLU 422H Wellpath: 1	Date: 9/28/2013 Time: 08:35:13 Page: 2 Co-ordinate(NE) Reference: Well: PLU 422H, Grid North Vertical (TVD) Reference: SITE 3207.0 Section (VS) Reference: Well (0.00N,0.00E,89.87Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
7528.00	70.16	90.02	7264.62	-21.84	492.93	0.76	492.88	410577.13	630386.43	
7621.00	70.47	89.87	7295.95	-21.76	580.49	0.37	580.44	410577.21	630473.99	
7652.00	71.78	89.58	7305.98	-21.62	609.83	4.32	609.77	410577.35	630503.33	
7682.00	73.69	88.71	7314.88	-21.19	638.47	6.94	638.42	410577.78	630531.97	
7713.00	77.15	88.92	7322.68	-20.57	668.46	11.18	668.41	410578.40	630561.96	
7743.00	79.65	89.36	7328.72	-20.13	697.84	8.46	697.79	410578.84	630591.34	
7774.00	82.63	90.38	7333.49	-20.06	728.47	10.15	728.42	410578.91	630621.97	
7804.00	86.08	90.77	7336.44	-20.36	758.32	11.57	758.27	410578.61	630651.82	
7835.00	87.48	90.96	7338.18	-20.83	789.26	4.56	789.21	410578.14	630682.76	
7866.00	89.93	90.83	7338.88	-21.31	820.25	7.91	820.20	410577.66	630713.75	
7957.00	90.14	89.96	7338.83	-21.94	911.25	0.98	911.19	410577.03	630804.75	
8049.00	89.23	89.57	7339.33	-21.56	1003.24	1.08	1003.19	410577.41	630896.74	
8141.00	88.95	88.94	7340.79	-20.37	1095.22	0.75	1095.17	410578.60	630988.72	
8232.00	88.88	88.53	7342.52	-18.36	1186.18	0.46	1186.14	410580.61	631079.68	
8324.00	89.02	88.47	7344.20	-15.95	1278.14	0.17	1278.10	410583.02	631171.64	
8415.00	89.93	88.36	7345.04	-13.43	1369.10	1.01	1369.06	410585.54	631262.60	
8510.00	89.51	87.77	7345.50	-10.23	1464.04	0.76	1464.01	410588.74	631357.54	
8607.00	89.37	89.51	7346.45	-7.92	1561.00	1.80	1560.98	410591.05	631454.50	
8701.00	88.32	88.02	7348.34	-5.90	1654.96	1.94	1654.94	410593.07	631548.46	
8795.00	89.51	88.75	7350.12	-3.25	1748.90	1.49	1748.89	410595.72	631642.40	
8890.00	87.97	88.46	7352.21	-0.94	1843.85	1.65	1843.84	410598.03	631737.35	
8985.00	88.74	88.46	7354.94	1.61	1938.78	0.81	1938.77	410600.58	631832.28	
9080.00	86.29	89.71	7359.06	3.13	2033.66	2.89	2033.67	410602.10	631927.16	
9175.00	86.78	89.53	7364.80	3.76	2128.49	0.55	2128.49	410602.73	632021.99	
9271.00	86.92	89.45	7370.07	4.61	2224.34	0.17	2224.34	410603.58	632117.84	
9365.00	86.50	89.53	7375.47	5.45	2318.18	0.45	2318.19	410604.42	632211.68	
9460.00	87.62	89.42	7380.34	6.32	2413.05	1.18	2413.06	410605.29	632306.55	
9556.00	87.97	88.81	7384.04	7.80	2508.97	0.73	2508.98	410606.77	632402.47	
9650.00	87.55	90.84	7387.71	8.09	2602.89	2.20	2602.90	410607.06	632496.39	
9746.00	87.41	90.74	7391.93	6.76	2698.79	0.18	2698.80	410605.73	632592.29	
9840.00	89.37	90.50	7394.57	5.75	2792.74	2.10	2792.75	410604.72	632686.24	
9935.00	90.21	90.20	7394.92	5.17	2887.74	0.94	2887.74	410604.14	632781.24	
10029.00	88.67	90.55	7395.84	4.55	2981.73	1.68	2981.73	410603.52	632875.23	
10124.00	88.53	89.98	7398.16	4.11	3076.70	0.62	3076.70	410603.08	632970.20	
10219.00	89.65	89.50	7399.67	4.54	3171.68	1.28	3171.69	410603.51	633065.18	
10314.00	89.44	89.88	7400.42	5.06	3266.68	0.46	3266.68	410604.03	633160.18	
10409.00	89.23	89.43	7401.53	5.63	3361.67	0.52	3361.67	410604.60	633255.17	
10504.00	90.35	89.44	7401.87	6.57	3456.66	1.18	3456.67	410605.54	633350.16	
10598.00	90.21	89.37	7401.41	7.54	3550.66	0.17	3550.67	410606.51	633444.16	
10693.00	88.81	90.46	7402.23	7.68	3645.65	1.87	3645.66	410606.65	633539.15	
10789.00	87.06	90.38	7405.69	6.98	3741.58	1.82	3741.59	410605.95	633635.08	
10884.00	87.13	90.43	7410.50	6.31	3836.46	0.09	3836.46	410605.28	633729.96	
10979.00	89.23	90.91	7413.52	5.20	3931.40	2.27	3931.40	410604.17	633824.90	
11074.00	86.71	90.99	7416.88	3.62	4026.32	2.65	4026.31	410602.59	633919.82	
11169.00	86.99	90.15	7422.10	2.68	4121.17	0.93	4121.16	410601.65	634014.67	
11263.00	85.65	89.81	7428.14	2.71	4214.97	1.47	4214.97	410601.68	634108.47	
11359.00	85.66	89.79	7435.41	3.05	4310.69	0.02	4310.69	410602.02	634204.19	
11453.00	86.64	90.43	7441.72	2.87	4404.48	1.24	4404.48	410601.84	634297.98	
11485.00	85.03	90.55	7444.04	2.59	4436.39	5.05	4436.39	410601.56	634329.89	
11580.00	85.38	89.97	7451.99	2.17	4531.06	0.71	4531.05	410601.14	634424.56	
11643.00	86.92	89.42	7456.22	2.50	4593.91	2.59	4593.91	410601.47	634487.41	
11739.00	87.13	88.75	7461.20	4.03	4689.77	0.73	4689.77	410603.00	634583.27	

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Wft Survey Report X Y's.



Weatherford

Company: BOPCO, L.P.	Date: 9/28/2013	Time: 08:35:13	Page: 3
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference: Well: PLU 422H, Grid North		
Site: Poker Lake Unit 422H	Vertical (TVD) Reference: SITE 3207.0		
Well: PLU 422H	Section (VS) Reference: Well: (0.00N,0.00E,89.87Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		
		Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
11834.00	88.88	87.86	7464.51	6.84	4784.67	2.07	4784.67	410605.81	634678.17	
11929.00	89.72	87.37	7465.67	10.79	4879.58	1.02	4879.59	410609.76	634773.08	
12023.00	90.56	87.09	7465.44	15.34	4973.47	0.94	4973.49	410614.31	634866.97	
12118.00	89.79	87.11	7465.15	20.14	5068.34	0.81	5068.38	410619.11	634961.84	
12213.00	90.70	87.51	7464.74	24.60	5163.24	1.05	5163.28	410623.57	635056.74	
12307.00	90.00	87.73	7464.17	28.50	5257.15	0.78	5257.21	410627.47	635150.65	
12402.00	91.26	88.89	7463.12	31.31	5352.10	1.80	5352.16	410630.28	635245.60	
12497.00	92.31	88.85	7460.16	33.18	5447.04	1.11	5447.10	410632.15	635340.54	
12592.00	90.28	89.07	7458.02	34.90	5541.99	2.15	5542.06	410633.87	635435.49	
12688.00	89.30	88.49	7458.37	36.95	5637.97	1.19	5638.04	410635.92	635531.47	
12782.00	89.09	89.67	7459.69	38.45	5731.95	1.27	5732.02	410637.42	635625.45	
12877.00	90.70	90.64	7459.86	38.20	5826.94	1.98	5827.01	410637.17	635720.44	
12972.00	89.93	90.50	7459.34	37.25	5921.93	0.82	5922.00	410636.22	635815.43	
13069.00	89.44	90.53	7459.87	36.38	6018.93	0.51	6019.00	410635.35	635912.43	
13163.00	91.19	91.46	7459.36	34.75	6112.91	2.11	6112.97	410633.72	636006.41	
13258.00	90.14	91.13	7458.25	32.60	6207.88	1.16	6207.93	410631.57	636101.38	
13353.00	90.63	91.11	7457.62	30.74	6302.86	0.52	6302.91	410629.71	636196.36	
13447.00	89.93	90.68	7457.16	29.28	6396.84	0.87	6396.89	410628.25	636290.34	
13544.00	89.09	90.49	7457.99	28.29	6493.83	0.89	6493.88	410627.26	636387.33	
13639.00	89.58	90.15	7459.09	27.76	6588.82	0.63	6588.87	410626.73	636482.32	
13734.00	88.46	88.44	7460.71	28.92	6683.80	2.15	6683.85	410627.89	636577.30	
13829.00	91.26	89.04	7460.94	31.01	6778.76	3.01	6778.82	410629.98	636672.26	
13923.00	92.59	90.70	7457.79	31.23	6872.71	2.26	6872.76	410630.20	636766.21	
14018.00	94.13	90.32	7452.22	30.38	6967.54	1.67	6967.59	410629.35	636861.04	
14113.00	94.34	91.12	7445.20	29.19	7062.27	0.87	7062.32	410628.16	636955.77	
14208.00	92.94	91.71	7439.17	26.85	7157.04	1.60	7157.09	410625.82	637050.54	
14303.00	89.72	91.39	7436.97	24.28	7251.97	3.41	7252.01	410623.25	637145.47	
14398.00	86.92	91.26	7439.75	22.09	7346.90	2.95	7346.93	410621.06	637240.40	
14493.00	89.09	90.82	7443.06	20.36	7441.82	2.33	7441.84	410619.33	637335.32	
14588.00	89.86	90.66	7443.93	19.14	7536.80	0.83	7536.83	410618.11	637430.30	
14683.00	87.13	91.09	7446.43	17.69	7631.75	2.91	7631.77	410616.66	637525.25	
14777.00	86.64	90.94	7451.53	16.02	7725.60	0.55	7725.61	410614.99	637619.10	
14872.00	87.55	90.51	7456.35	14.82	7820.47	1.06	7820.48	410613.79	637713.97	
14967.00	89.37	90.16	7458.90	14.27	7915.43	1.95	7915.44	410613.24	637808.93	
15063.00	92.45	89.96	7457.38	14.17	8011.40	3.22	8011.41	410613.14	637904.90	
15157.00	92.10	90.72	7453.64	13.61	8105.33	0.89	8105.34	410612.58	637998.83	
15252.00	90.28	91.22	7451.67	12.00	8200.29	1.99	8200.29	410610.97	638093.79	
15347.00	89.23	90.75	7452.08	10.37	8295.27	1.21	8295.27	410609.34	638188.77	
15443.00	88.81	90.49	7453.72	9.33	8391.25	0.51	8391.25	410608.30	638284.75	
15538.00	88.81	89.65	7455.69	9.21	8486.23	0.88	8486.23	410608.18	638379.73	
15632.00	91.75	89.69	7455.23	9.76	8580.22	3.13	8580.22	410608.73	638473.72	
15727.00	93.57	90.80	7450.82	9.35	8675.11	2.24	8675.11	410608.32	638568.61	
15822.00	95.18	92.28	7443.58	6.81	8769.79	2.30	8769.78	410605.78	638663.29	Last Wft Svy
15899.00	95.18	92.28	7436.63	3.76	8846.42	0.00	8846.40	410602.73	638739.92	Proj. To Bit

Annotation

MD ft	TVD ft	
6614.50	6613.95	Tie On Gyro
6642.00	6641.44	First Wft Svy
15822.00	7443.58	Last Wft Svy
15899.00	7436.63	Proj. To Bit