

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

**5D Survey Report****XTO Energy**

Field Name: *XTO NAD 27 NME*
Site Name: *Los Medanos 36 23 30 State 707H_708H*
Well Name: *Los Medanos 36 23 30 State 708H ST01*
Survey: *Definitive survey*

14 January 2020





Weatherford

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

XTO Energy
6401 Holliday Hill Road
Midland, TX 79707

Date: January 8, 2020

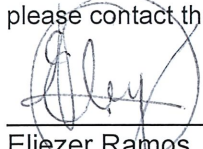
Attention: Terry West

Re: XTO Energy
Well: Los Medanos 36 23 30 State 708H ST00
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:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Eliezer Ramos MWD Ops. Coordinator	708H ST00	227 MD 11,267 MD	12/18/2019 1/6/2020	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.



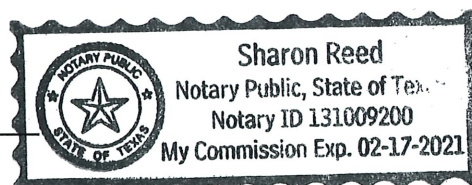
Eliezer Ramos
MWD Ops. Coordinator

On this, the 8th day of January, 20 20, before me a notary public, the undersigned officer, personally appeared Eliezer Ramos, 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





Weatherford®

Evaluation, Drilling & Intervention

10000 West County Rd. 116

P.O. Box 61028

Midland, TX USA 79711

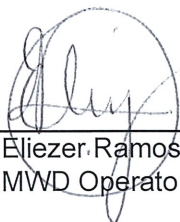
Tel. (432) 561-8892 Fax (432) 561-8895

State Of Texas
County Of Harris

Date: January 14, 2020

I, Eliezer Ramos certify that I am employed by Precision Energy Services, Inc.,
a Weatherford Company, and on the days of 1/8/2020 through 1/29/2020
I did conduct, or supervise the taking of a Measurement While Drilling survey from a
depth of 10,175 ft. to a depth of 14,887 ft., that the data is true,
correct, complete, and within the limitations of the tool as set forth by Weatherford; that
I am authorized and qualified to make this report, that this survey was conducted at the
request of: XTO Energy for the
Los Medanos 36 23 30 State 708H ST01 well, API Number: N/A in
Eddy County, Texas; and find that it conforms to the principles
and procedures as set forth by Weatherford.

Sincerely,



Eliezer Ramos
MWD Operator



Los Medanos 36 23 30 State 708H ST01

Field Name: XTO NAD 27 NME	Map Units: US ft		Company Name: XTO Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD27 / New Mexico East			
	Comment:			
Site: Los Medanos 36 23 30 State 707H_708H	Units: US ft	North Reference: Grid	Convergence Angle: 0.27	
	Position:	Northing: 456884.90 US ft	Latitude: 32° 15' 18.35"	
		Easting: 655165.20 US ft	Longitude: -103° 49' 53.04"	
	Elevation above MSL:3401.00 US ft			
Comment: Eddy Co, NM				
Slot: Los Medanos 36 23 30 State 708H	Position (Relative to Site Centre)			
	+N/-S: -30.00 US ft	Northing: 456854.90 US ft	Latitude: 32° 15' 18.05"	
	+E/-W: 0.00 US ft	Easting: 655165.20 US ft	Longitude: -103° 49' 53.04"	
	Elevation above MSL: 3401.00 US ft			
Comment:				
Well: Los Medanos 36 23 30 State 708H ST01	Type:Sidetrack		UWI:	
	Parent: Los Medanos 36 23 30 State 708H ST00		Tie Point Method: MD	
	File Number:	Comment:		
	Closure Distance:5171.48US ft		Closure Azimuth:17.70°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft		+E/-W: 0.00 US ft	Az: 359.73°
Drill floor: Survey Name: Definitive Survey				
Rig Height (Well TVD Reference): Elevation above MSL: 3426.00US ft Inclination: 0.00° Azimuth: 0.00° 25.00US ft				
Survey Name:Definitive Survey				
Date: 07/Jan/2020		Survey Tool: See Survey Tool Ranges below.	Comment:	
Company:				
Magnetic Model:				
Model Name: MagVar IFR	Date: 05/Dec/2019	Field Strength: 47817.0nT	Declination: 6.93°	Dip: 59.95°
Tie Point:				
MD: 10107.00 US ft	Inclination: 72.00°	Azimuth: 4.72°	TVD: 9773.47 US ft	North Offset: 101.34 US ft East Offset: 1608.12 US ft

5D Survey Report

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD + IFR	0.00	457.00	WFT MWD+IFR_1
MWD + IFR	457.00	3648.00	WFT MWD+IFR_2
MWD + IFR	3648.00	3824.00	WFT MWD+IFR_3
MWD + IFR	3824.00	8902.00	WFT MWD+IFR_4
MWD + IFR + MS	8902.00	10107.00	WFT MWD+IFR+MS_5
MWD + IFR + MS	10107.00	10443.00	WFT MWD+IFR+MS_6
MWD + IFR + Sag Corr + MS	10443.00	14946.00	WFT MWD+IFR+MS_7

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
0.00	0.00	0.00	0.00	-3426.00	0.00	0.00	0.00	456854.90	655165.20	0.00	
227.00	1.14	192.50	226.99	-3199.01	-2.20	-2.20	-0.49	456852.70	655164.71	0.50	First WFT SVY
412.00	0.92	182.29	411.96	-3014.04	-5.48	-5.49	-0.95	456849.41	655164.25	0.15	
457.00	0.63	183.45	456.95	-2969.05	-6.09	-6.09	-0.98	456848.81	655164.22	0.65	
548.00	0.44	177.93	547.95	-2878.05	-6.94	-6.94	-0.99	456847.96	655164.21	0.22	13 3/8 in
628.00	0.28	166.96	627.95	-2798.05	-7.43	-7.44	-0.94	456847.46	655164.26	0.22	
689.00	0.56	117.76	688.94	-2737.06	-7.72	-7.72	-0.64	456847.18	655164.56	0.71	
782.00	1.29	111.64	781.93	-2644.07	-8.32	-8.32	0.73	456846.58	655165.93	0.79	
875.00	2.96	107.49	874.86	-2551.14	-9.45	-9.43	4.00	456845.47	655169.20	1.80	
967.00	4.42	105.02	966.67	-2459.33	-11.11	-11.06	9.69	456843.84	655174.89	1.60	
1060.00	4.81	104.38	1059.37	-2366.63	-13.04	-12.96	16.93	456841.94	655182.13	0.42	
1153.00	5.61	103.09	1151.98	-2274.02	-15.07	-14.96	25.13	456839.94	655190.33	0.87	
1242.00	7.75	100.83	1240.37	-2185.63	-17.24	-17.07	35.26	456837.83	655200.46	2.42	
1331.00	9.38	105.49	1328.38	-2097.62	-20.36	-20.13	48.15	456834.77	655213.35	1.99	
1420.00	9.62	104.82	1416.16	-2009.84	-24.27	-23.97	62.33	456830.93	655227.53	0.30	
1509.00	9.90	103.56	1503.87	-1922.13	-28.03	-27.67	76.95	456827.23	655242.15	0.40	
1599.00	10.14	102.93	1592.50	-1833.50	-31.69	-31.26	92.20	456823.64	655257.40	0.29	
1688.00	10.19	101.30	1680.10	-1745.90	-35.06	-34.55	107.55	456820.35	655272.75	0.33	
1777.00	10.14	100.70	1767.71	-1658.29	-38.13	-37.55	122.97	456817.35	655288.17	0.13	
1866.00	10.35	101.06	1855.29	-1570.71	-41.19	-40.54	138.51	456814.36	655303.71	0.25	
1955.00	11.72	101.97	1942.64	-1483.36	-44.68	-43.95	155.20	456810.95	655320.40	1.55	
2045.00	11.39	101.96	2030.81	-1395.19	-48.50	-47.68	172.84	456807.22	655338.04	0.37	
2134.00	10.69	101.38	2118.17	-1307.83	-52.03	-51.13	189.53	456803.77	655354.73	0.80	
2223.00	9.99	98.89	2205.72	-1220.28	-54.92	-53.95	205.25	456800.95	655370.45	0.93	
2312.00	10.22	98.05	2293.34	-1132.66	-57.29	-56.25	220.69	456798.65	655385.89	0.31	
2401.00	10.26	97.07	2380.92	-1045.08	-59.45	-58.33	236.38	456796.57	655401.58	0.20	
2490.00	9.57	96.64	2468.59	-957.41	-61.35	-60.17	251.59	456794.73	655416.79	0.78	
2579.00	9.60	96.80	2556.35	-869.65	-63.15	-61.90	266.31	456793.00	655431.51	0.05	
2668.00	11.12	99.53	2643.90	-782.10	-65.53	-64.20	282.14	456790.70	655447.34	1.79	
2757.00	11.55	103.31	2731.16	-694.84	-69.08	-67.67	299.28	456787.23	655464.48	0.96	
2847.00	11.82	104.04	2819.30	-606.70	-73.48	-71.98	316.99	456782.92	655482.19	0.34	
2936.00	11.76	101.63	2906.42	-519.58	-77.60	-76.02	334.72	456778.88	655499.92	0.56	
3025.00	10.49	101.28	2993.75	-432.25	-81.09	-79.44	351.55	456775.46	655516.75	1.43	
3114.00	9.89	102.66	3081.34	-344.66	-84.42	-82.70	366.95	456772.20	655532.15	0.73	
3203.00	10.33	100.26	3168.96	-257.04	-87.59	-85.79	382.26	456769.11	655547.46	0.68	
3292.00	10.50	95.20	3256.50	-169.50	-89.82	-87.95	398.19	456766.95	655563.39	1.05	
3381.00	11.77	103.41	3343.82	-82.18	-92.74	-90.79	415.09	456764.11	655580.29	2.28	
3470.00	12.56	112.35	3430.83	4.83	-98.61	-96.57	432.88	456758.33	655598.08	2.29	
3559.00	10.80	110.71	3517.99	91.99	-105.32	-103.20	449.63	456751.70	655614.83	2.01	
3648.00	11.44	112.81	3605.32	179.32	-111.77	-109.57	465.56	456745.33	655630.76	0.85	
3738.00	11.44	117.25	3693.53	267.53	-119.39	-117.12	481.72	456737.78	655646.92	0.98	
3824.00	10.80	121.14	3777.92	351.92	-127.53	-125.19	496.20	456729.71	655661.40	1.15	
3900.00	11.12	117.68	3852.53	426.53	-134.68	-132.28	508.79	456722.62	655673.99	0.96	9 5/8 in
4000.00	11.60	113.44	3950.57	524.57	-143.24	-140.76	526.55	456714.14	655691.75	0.96	
4088.00	12.94	107.17	4036.56	610.56	-149.75	-147.19	544.09	456707.71	655709.29	2.15	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
4178.00	14.18	100.23	4124.06	698.06	-154.78	-152.12	564.57	456702.78	655729.77	2.27	
4267.00	15.18	97.91	4210.15	784.15	-158.43	-155.66	586.84	456699.24	655752.04	1.30	
4356.00	15.51	97.60	4295.98	869.98	-161.71	-158.84	610.17	456696.06	655775.37	0.38	
4445.00	15.03	95.33	4381.84	955.84	-164.47	-161.48	633.46	456693.42	655798.66	0.86	
4534.00	15.22	95.97	4467.76	1041.76	-166.86	-163.77	656.57	456691.13	655821.77	0.28	
4624.00	14.13	99.17	4554.82	1128.82	-169.95	-166.75	679.16	456688.15	655844.36	1.51	
4713.00	13.03	98.75	4641.33	1215.33	-173.30	-170.01	699.80	456684.89	655865.00	1.24	
4802.00	13.27	97.84	4728.00	1302.00	-176.32	-172.93	719.84	456681.97	655885.04	0.36	
4891.00	12.48	95.32	4814.76	1388.76	-178.70	-175.21	739.53	456679.69	655904.73	1.09	
4980.00	11.72	93.94	4901.78	1475.78	-180.30	-176.73	758.13	456678.17	655923.33	0.91	
5069.00	11.04	98.89	4989.03	1563.03	-182.32	-178.66	775.56	456676.24	655940.76	1.34	
5158.00	10.41	102.44	5076.48	1650.48	-185.44	-181.71	791.84	456673.19	655957.04	1.03	
5247.00	10.25	102.06	5164.04	1738.04	-188.90	-185.10	807.43	456669.80	655972.63	0.20	
5336.00	10.42	100.59	5251.59	1825.59	-192.11	-188.23	823.09	456666.67	655988.29	0.35	
5426.00	10.68	100.42	5340.07	1914.07	-195.19	-191.24	839.29	456663.66	656004.49	0.29	
5515.00	10.90	99.23	5427.50	2001.50	-198.11	-194.08	855.71	456660.82	656020.91	0.35	
5604.00	10.84	98.76	5514.90	2088.90	-200.81	-196.70	872.28	456658.20	656037.48	0.12	
5693.00	11.06	97.56	5602.28	2176.28	-203.29	-199.10	889.02	456655.80	656054.22	0.36	
5782.00	11.16	97.84	5689.61	2263.61	-205.67	-201.40	906.01	456653.50	656071.21	0.13	
5871.00	10.24	99.81	5777.06	2351.06	-208.27	-203.92	922.34	456650.98	656087.54	1.11	
5961.00	9.20	101.30	5865.77	2439.77	-211.11	-206.69	937.28	456648.21	656102.48	1.19	
6050.00	9.32	100.34	5953.61	2527.61	-213.86	-209.38	951.34	456645.52	656116.54	0.22	
6139.00	9.39	101.04	6041.43	2615.43	-216.61	-212.07	965.56	456642.83	656130.76	0.15	
6228.00	9.54	101.25	6129.22	2703.22	-219.51	-214.90	979.92	456640.00	656145.12	0.17	
6317.00	9.89	101.60	6216.94	2790.94	-222.56	-217.87	994.64	456637.03	656159.84	0.40	
6406.00	9.80	102.54	6304.63	2878.63	-225.81	-221.05	1009.52	456633.85	656174.72	0.21	
6496.00	9.66	102.43	6393.34	2967.34	-229.17	-224.34	1024.37	456630.56	656189.57	0.16	
6585.00	8.97	101.53	6481.16	3055.16	-232.23	-227.33	1038.46	456627.57	656203.66	0.79	
6674.00	8.64	101.89	6569.11	3143.11	-235.05	-230.10	1051.80	456624.80	656217.00	0.38	
6763.00	8.34	100.26	6657.14	3231.14	-237.64	-232.63	1064.70	456622.27	656229.90	0.43	
6852.00	8.64	95.18	6745.16	3319.16	-239.46	-234.38	1077.71	456620.52	656242.91	0.91	
6941.00	9.81	95.78	6833.01	3407.01	-240.89	-235.75	1091.91	456619.15	656257.11	1.32	
7030.00	10.55	97.33	6920.61	3494.61	-242.77	-237.55	1107.53	456617.35	656272.73	0.89	
7119.00	10.43	97.08	7008.12	3582.12	-244.87	-239.58	1123.61	456615.32	656288.81	0.14	
7208.00	10.31	97.01	7095.67	3669.67	-246.91	-241.55	1139.51	456613.35	656304.71	0.14	
7298.00	10.20	97.40	7184.23	3758.23	-249.00	-243.56	1155.40	456611.34	656320.60	0.14	
7387.00	10.22	97.54	7271.82	3845.82	-251.12	-245.61	1171.04	456609.29	656336.24	0.04	
7476.00	10.24	97.69	7359.41	3933.41	-253.29	-247.70	1186.71	456607.20	656351.91	0.04	
7565.00	10.05	98.16	7447.01	4021.01	-255.53	-249.86	1202.24	456605.04	656367.44	0.23	
7654.00	9.96	98.50	7534.66	4108.66	-257.84	-252.10	1217.54	456602.80	656382.74	0.12	
7743.00	9.84	99.03	7622.34	4196.34	-260.24	-254.43	1232.66	456600.47	656397.86	0.17	
7832.00	9.85	99.11	7710.02	4284.02	-262.71	-256.83	1247.69	456598.07	656412.89	0.02	
7922.00	9.49	98.30	7798.75	4372.75	-265.07	-259.12	1262.63	456595.78	656427.83	0.43	
8011.00	9.42	99.73	7886.54	4460.54	-267.43	-261.41	1277.07	456593.49	656442.27	0.28	
8100.00	9.82	99.48	7974.28	4548.28	-269.98	-263.89	1291.73	456591.01	656456.93	0.45	
8189.00	10.04	99.04	8061.95	4635.95	-272.52	-266.36	1306.88	456588.54	656472.08	0.26	
8278.00	9.38	99.61	8149.68	4723.68	-275.02	-268.79	1321.69	456586.11	656486.89	0.75	
8367.00	8.85	97.69	8237.55	4811.55	-277.21	-270.92	1335.63	456583.98	656500.83	0.69	
8456.00	9.06	96.98	8325.47	4899.47	-279.04	-272.69	1349.37	456582.21	656514.57	0.27	
8545.00	8.95	99.60	8413.37	4987.37	-281.11	-274.69	1363.15	456580.21	656528.35	0.48	
8635.00	8.17	100.23	8502.37	5076.37	-283.48	-277.00	1376.35	456577.90	656541.55	0.87	
8724.00	8.03	99.63	8590.48	5164.48	-285.70	-279.16	1388.70	456575.74	656553.90	0.18	
8813.00	7.94	97.17	8678.62	5252.62	-287.56	-280.97	1400.93	456573.93	656566.13	0.40	
8902.00	7.62	93.86	8766.80	5340.80	-288.79	-282.13	1412.91	456572.77	656578.11	0.62	
8985.00	8.47	104.82	8848.99	5422.99	-290.77	-284.07	1424.31	456570.83	656589.51	2.11	8 5/8 in
9037.00	9.13	110.54	8900.37	5474.37	-293.24	-286.49	1431.88	456568.41	656597.08	2.11	
9126.00	10.44	114.78	8988.08	5562.08	-299.16	-292.35	1445.81	456562.55	656611.01	1.68	
9215.00	12.05	103.43	9075.38	5649.38	-304.78	-297.89	1462.17	456557.01	656627.37	3.07	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
9305.00	11.42	103.22	9163.50	5737.50	-309.08	-302.11	1479.98	456552.79	656645.18	0.70	
9349.00	13.38	97.06	9206.47	5780.47	-310.74	-303.73	1489.28	456551.17	656654.48	5.37	
9394.00	18.36	87.14	9249.75	5823.75	-311.09	-304.02	1501.53	456550.88	656666.73	12.56	
9438.00	22.02	67.84	9291.08	5865.08	-307.70	-300.55	1516.11	456554.35	656681.31	17.17	
9483.00	24.48	55.36	9332.45	5906.45	-299.28	-292.07	1531.61	456562.83	656696.81	12.21	
9528.00	25.13	45.55	9373.32	5947.32	-287.35	-280.07	1546.11	456574.83	656711.31	9.25	
9572.00	26.16	37.60	9412.99	5986.99	-273.18	-265.84	1558.70	456589.06	656723.90	8.16	
9617.00	27.91	29.25	9453.09	6027.09	-256.18	-248.78	1569.90	456606.12	656735.10	9.28	
9661.00	30.87	18.71	9491.45	6065.45	-236.52	-229.09	1578.56	456625.81	656743.76	13.52	
9706.00	33.54	8.70	9529.55	6103.55	-213.31	-205.84	1584.15	456649.06	656749.35	13.24	
9751.00	38.25	8.48	9565.99	6139.99	-187.25	-179.76	1588.09	456675.14	656753.29	10.47	
9795.00	40.88	10.48	9599.91	6173.91	-159.63	-152.13	1592.72	456702.77	656757.92	6.64	
9840.00	43.69	7.29	9633.20	6207.20	-129.75	-122.22	1597.37	456732.68	656762.57	7.86	
9884.00	47.79	2.94	9663.91	6237.91	-98.39	-90.85	1600.14	456764.05	656765.34	11.70	
9929.00	53.00	0.39	9692.59	6266.59	-63.76	-56.21	1601.11	456798.69	656766.31	12.37	
9974.00	58.57	1.18	9717.89	6291.89	-26.57	-19.02	1601.63	456835.88	656766.83	12.46	
10018.00	64.08	2.04	9738.99	6312.99	12.00	19.55	1602.72	456874.45	656767.92	12.64	
10063.00	66.38	4.15	9757.85	6331.85	52.78	60.35	1604.94	456915.25	656770.14	6.65	
10107.00	72.00	4.72	9773.47	6347.47	93.76	101.34	1608.12	456956.24	656773.32	12.83	Tie On ST00
10175.00	72.29	5.83	9794.32	6368.32	158.18	165.79	1614.07	457020.69	656779.27	1.61	First WFT SVY ST01
10219.00	73.47	9.17	9807.28	6381.28	199.83	207.47	1619.56	457062.37	656784.76	7.73	
10264.00	76.65	10.93	9818.88	6392.88	242.60	250.27	1627.15	457105.17	656792.35	8.01	
10309.00	80.08	9.35	9827.95	6401.95	285.94	293.65	1634.91	457148.55	656800.11	8.36	
10353.00	83.12	6.40	9834.38	6408.38	329.02	336.76	1640.87	457191.66	656806.07	9.58	
10398.00	84.18	3.08	9839.36	6413.36	373.57	381.32	1644.56	457236.22	656809.76	7.70	
10443.00	87.27	1.35	9842.71	6416.71	418.39	426.16	1646.29	457281.06	656811.49	7.86	
10493.00	88.39	0.27	9844.61	6418.61	468.35	476.11	1647.00	457331.01	656812.20	3.11	
10582.00	91.19	359.73	9844.93	6418.93	557.34	565.10	1647.00	457420.00	656812.20	3.20	
10671.00	91.40	359.63	9842.92	6416.92	646.31	654.08	1646.50	457508.98	656811.70	0.26	
10760.00	91.82	359.21	9840.42	6414.42	735.28	743.04	1645.60	457597.94	656810.80	0.67	
10849.00	89.93	358.33	9839.06	6413.06	824.25	832.00	1643.69	457686.90	656808.89	2.34	
10938.00	90.07	357.74	9839.06	6413.06	913.21	920.95	1640.64	457775.85	656805.84	0.68	
11027.00	90.77	358.04	9838.41	6412.41	1002.16	1009.89	1637.36	457864.79	656802.56	0.86	
11116.00	90.14	358.36	9837.70	6411.70	1091.13	1098.84	1634.57	457953.74	656799.77	0.79	
11206.00	91.05	358.34	9836.77	6410.77	1181.09	1188.80	1631.98	458043.70	656797.18	1.01	
11295.00	87.97	358.00	9837.53	6411.53	1270.05	1277.74	1629.13	458132.64	656794.33	3.48	
11384.00	87.83	357.96	9840.79	6414.79	1358.95	1366.62	1626.00	458221.52	656791.20	0.16	
11473.00	88.32	357.90	9843.78	6417.78	1447.85	1455.52	1622.79	458310.42	656787.99	0.55	
11562.00	88.88	357.98	9845.96	6419.96	1536.78	1544.43	1619.59	458399.33	656784.79	0.64	
11652.00	89.30	358.02	9847.38	6421.38	1626.73	1634.36	1616.45	458489.26	656781.65	0.47	
11741.00	90.07	358.02	9847.87	6421.87	1715.69	1723.31	1613.37	458578.21	656778.57	0.87	
11830.00	90.49	357.33	9847.44	6421.44	1804.63	1812.23	1609.76	458667.13	656774.96	0.91	
11919.00	88.95	359.03	9847.87	6421.87	1893.59	1901.18	1606.94	458756.08	656772.14	2.58	
12008.00	89.16	359.16	9849.34	6423.34	1982.57	1990.16	1605.53	458845.06	656770.73	0.28	
12098.00	85.66	359.61	9853.41	6427.41	2072.46	2080.05	1604.56	458934.95	656769.76	3.92	
12187.00	85.52	359.32	9860.25	6434.25	2161.20	2168.78	1603.74	459023.68	656768.94	0.36	
12276.00	87.27	359.51	9865.85	6439.85	2250.02	2257.60	1602.83	459112.50	656768.03	1.98	
12365.00	87.97	359.60	9869.54	6443.54	2338.94	2346.52	1602.14	459201.42	656767.34	0.79	
12454.00	88.39	359.86	9872.37	6446.37	2427.89	2435.47	1601.72	459290.37	656766.92	0.55	
12544.00	89.09	359.72	9874.35	6448.35	2517.87	2525.45	1601.39	459380.35	656766.59	0.79	
12633.00	89.65	359.22	9875.33	6449.33	2606.87	2614.44	1600.57	459469.34	656765.77	0.84	
12722.00	90.14	358.86	9875.49	6449.49	2695.86	2703.42	1599.08	459558.32	656764.28	0.68	
12811.00	91.40	358.06	9874.29	6448.29	2784.83	2792.38	1596.68	459647.28	656761.88	1.68	
12900.00	92.10	357.67	9871.58	6445.58	2873.74	2881.28	1593.37	459736.18	656758.57	0.90	
12989.00	90.70	358.81	9869.40	6443.40	2962.68	2970.20	1590.64	459825.10	656755.84	2.03	
13079.00	91.05	359.36	9868.03	6442.03	3052.66	3060.18	1589.20	459915.08	656754.40	0.72	
13168.00	91.26	359.65	9866.23	6440.23	3141.64	3149.16	1588.43	460004.06	656753.63	0.40	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
13257.00	91.26	359.67	9864.28	6438.28	3230.62	3238.14	1587.90	460093.04	656753.10	0.02	
13346.00	91.40	359.63	9862.21	6436.21	3319.59	3327.11	1587.36	460182.01	656752.56	0.16	
13435.00	91.19	359.08	9860.20	6434.20	3408.57	3416.08	1586.36	460270.98	656751.56	0.66	
13525.00	91.61	359.30	9858.00	6432.00	3498.54	3506.05	1585.09	460360.95	656750.29	0.53	
13614.00	89.65	359.19	9857.02	6431.02	3587.53	3595.03	1583.91	460449.93	656749.11	2.21	
13703.00	90.07	358.99	9857.24	6431.24	3676.52	3684.02	1582.50	460538.92	656747.70	0.52	
13792.00	90.49	358.86	9856.80	6430.80	3765.51	3773.00	1580.83	460627.90	656746.03	0.49	
13881.00	91.12	358.75	9855.55	6429.55	3854.49	3861.97	1578.97	460716.87	656744.17	0.72	
13971.00	91.54	358.57	9853.47	6427.47	3944.45	3951.92	1576.87	460806.82	656742.07	0.51	
14060.00	91.96	358.28	9850.75	6424.75	4033.38	4040.85	1574.43	460895.75	656739.63	0.57	
14149.00	89.72	359.21	9849.44	6423.44	4122.35	4129.81	1572.48	460984.71	656737.68	2.73	
14238.00	90.07	359.21	9849.61	6423.61	4211.35	4218.80	1571.25	461073.70	656736.45	0.39	
14327.00	90.28	359.10	9849.33	6423.33	4300.35	4307.79	1569.94	461162.69	656735.14	0.27	
14416.00	88.25	359.87	9850.48	6424.48	4389.33	4396.78	1569.14	461251.68	656734.34	2.44	
14505.00	88.53	0.35	9852.98	6426.98	4478.29	4485.74	1569.31	461340.64	656734.51	0.62	
14595.00	88.88	0.68	9855.01	6429.01	4568.26	4575.71	1570.12	461430.61	656735.32	0.53	
14684.00	89.23	0.30	9856.48	6430.48	4657.24	4664.70	1570.88	461519.60	656736.08	0.58	
14773.00	89.51	0.21	9857.46	6431.46	4746.23	4753.69	1571.27	461608.59	656736.47	0.33	
14862.00	89.86	0.32	9857.95	6431.95	4835.23	4842.69	1571.69	461697.59	656736.89	0.41	
14887.00	89.93	0.39	9857.99	6431.99	4860.23	4867.69	1571.84	461722.59	656737.04	0.40	Last WFT SVY ST01
14946.00	89.93	0.39	9858.06	6432.06	4919.22	4926.69	1572.24	461781.59	656737.44	0.00	PTB