

"As Drilled"

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Artesia, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-32582	*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 303836	*Property Name HENDERSON 5	*Well Number 2
*OGRD No. 5380	*Operator Name XTO ENERGY INC	*Elevation 6172'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	5	26-N	11-W		1295	SOUTH	1070'	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	26-N	11-W		669'	SOUTH	713'	EAST	SAN JUAN
Dedicated Acres			Joint or Infill		Consolidation Code		Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	LOT 4	LOT 3	LOT 2	LOT 1	17
AS DRILLED B.H.L. LATITUDE AND LONGITUDE PROVIDED BY XTO ENERGY INC. CLIENT					OPERATOR CERTIFICATION
SURFACE LOCATION LAT: 36.51329° N. (NAD 83) LONG: 108.03229° W. (NAD 83) LAT: 36°30'47.80" N. (NAD 27) LONG: 108°01'54.01" W. (NAD 27)					I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
BOTTOM HOLE LOCATION LAT: 36.51157° N. (NAD 83) LONG: 108.02027° W. (NAD 83) LAT: 36°30'41.62" N. (NAD 27) LONG: 108°01'10.75" W. (NAD 27)					Signature <u>Dolena Johnson</u> Date <u>06-24-08</u> Printed Name <u>Dolena Johnson</u>
18 SURVEYOR CERTIFICATION					
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.					
MAY 19, 2008 ROY A. RUSH Date of Survey Signature and Seal of Registered Professional Land Surveyor 06-24-08 Certificate Number					

MV cancelled 7/1/08



HENDERSON 5 #2
SAN JUAN CO., NEW MEXICO



Weatherford®

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	1113 00	22 83	101 49	1101 60	-16 86	79 76	0 00	0 00	81 48	
2	1128 00	22 66	96 33	1115 43	-17 75	85 48	13 33	-97 00	87 27	
3	1133 00	22 66	96 33	1120 05	-17 97	87 40	0 00	0 00	89 20	
4	1985 15	90 00	90 00	1566 00	-38 51	755 76	7 92	353 14	750 75	
5	2238 20	90 00	90 00	1566 00	-38 51	1008 81	0 00	0 00	999 86	
6	2587 12	90 00	103 96	1566 00	-80 80	1354 29	4 00	90 00	1347 39	
7	4841 94	90 00	103 96	1566 00	-624 64	3542 54	0 00	0 00	3597 18	ST 03

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
ST 03	1566 00	-624 64	3542 54	36°30'41 665N	108°01'12 846W	Point

WELL DETAILS

Name	N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#2	0 00	0 00	2006208 62	2664631 81	36°30'47 844N	108°01'56 244W	N/A

FIELD DETAILS

San Juan, NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983

Ellipsoid: GRS 1980

Zone: New Mexico, Western Zone

Magnetic Model: bggm2007

System Datum: Mean Sea Level

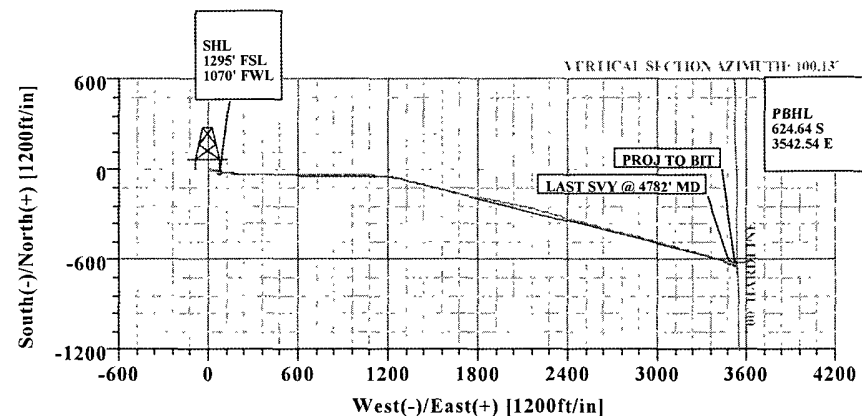
Local North: True North

SITE DETAILS

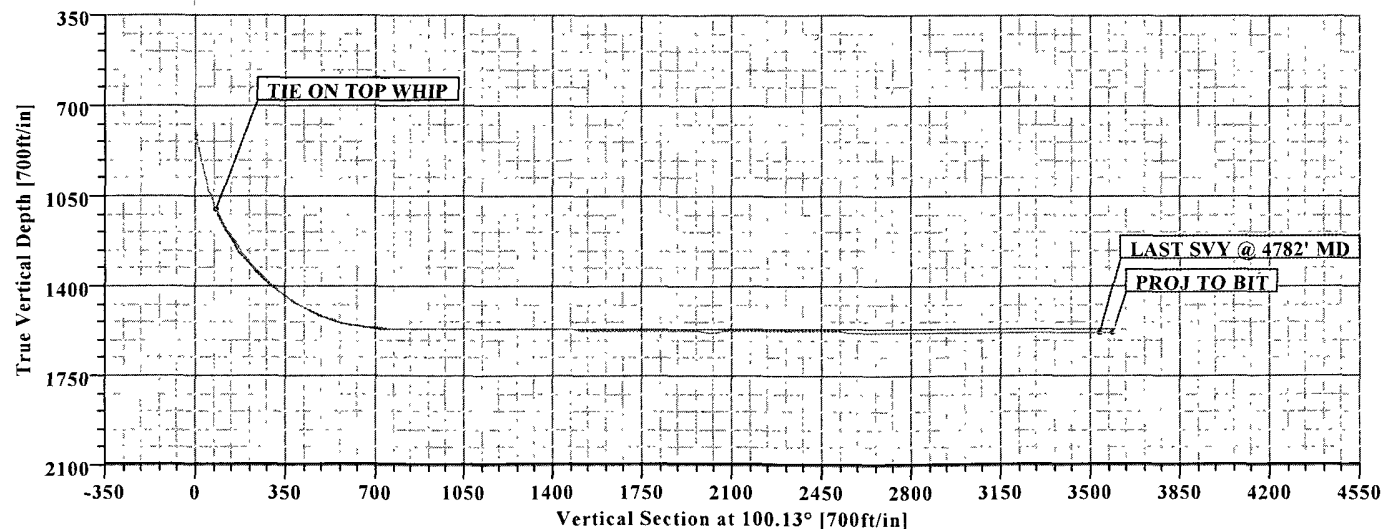
Henderson 5 #2
1295' FSL 1070' FWL of SEC 5, T-26-N, R-11-W

Site Centre Latitude: 36°30'47.844N
Longitude: 108°01'56 244W

Ground Level: 6172.00
Positional Uncertainty: 0.00
Convergence: -0.12

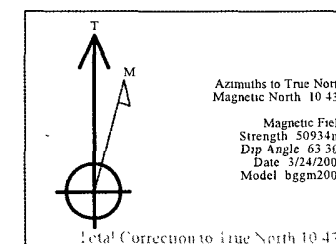


EST KB ELEV 6184'
GL ELEV 6172'



RCVD JUL 3 '08
OIL CONS. DIV.

DIST. 3



Survey WFT SVY ST 03 (#2/ST02)

Created By Lindsey Maddux

Date 4/8/2008



Weatherford International, Inc.

Survey Report

**Weatherford®**

Company: XTO Energy Date: 4/8/2008 Time: 14:43:21 Page: 1
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Site Henderson 5 #2, True North
Site: Henderson 5 #2 Vertical (TVD) Reference: SITE 6184.0
Well: #2 Section (VS) Reference: Well (0.00N,0.00E,100.13Azi)
Wellpath: ST02 Survey Calculation Method: Minimum Curvature Db: Sybase

Field: San Juan, NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Site Centre
Geomagnetic Model: bggm2007

Site: Henderson 5 #2

1295' FSL 1070' FWL of SEC 5, T-26-N, R-11-W

Site Position: Northing: 2006208 62 ft Latitude: 36 30 47.844 N
From: Geographic Easting: 2664631.81 ft Longitude: 108 1 56.244 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 6172.00 ft Grid Convergence: -0.12 deg

Well: #2

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 2006208 62 ft Latitude: 36 30 47.844 N
+E/-W 0.00 ft Easting: 2664631 81 ft Longitude: 108 1 56.244 W
Position Uncertainty: 0.00 ft

Wellpath: ST02

Current Datum: SITE Height 6184.00 ft Drilled From: 1
Magnetic Data: 3/24/2008 Tie-on Depth: 1113.00 ft
Field Strength: 50934 nT Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 10.43 deg
ft +E/-W Direction
deg
0.00 0.00 0.00 100.13

Survey: WFT SVY ST 03

Start Date: 3/31/2008

Company: Weatherford International, Inc
Tool: MWD;MWD - Standard

Engineer: Lindsey Maddux
Tied-to: From: Definitive Path

Survey: WFT SVY ST 03

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1113.00	22.83	101.49	1101.60	-16.74	80.06	81.76	0.00	0.00	0.00	TIE ON TOP WHIP
1196.00	31.38	96.56	1175.42	-22.43	117.38	119.49	10.65	10.31	-5.94	MWD
1255.00	33.77	92.50	1225.15	-24.90	149.03	151.09	5.49	4.05	-6.88	MWD
1285.00	35.06	91.18	1249.89	-25.44	165.98	167.86	4.97	4.30	-4.40	MWD
1314.00	37.38	90.68	1273.29	-25.72	183.11	184.78	8.06	8.00	-1.72	MWD
1342.00	40.01	90.57	1295.14	-25.91	200.61	202.04	9.40	9.39	-0.39	MWD
1372.00	41.75	90.96	1317.82	-26.17	220.24	221.41	5.86	5.80	1.30	MWD
1402.00	42.63	91.15	1340.05	-26.54	240.39	241.31	2.96	2.93	0.63	MWD
1432.00	44.67	90.54	1361.76	-26.85	261.09	261.74	6.94	6.80	-2.03	MWD
1461.00	47.30	90.31	1381.90	-27.00	281.94	282.30	9.09	9.07	-0.79	MWD
1492.00	49.69	89.56	1402.45	-26.97	305.16	305.14	7.92	7.71	-2.42	MWD
1522.00	51.88	89.31	1421.41	-26.74	328.40	327.98	7.33	7.30	-0.83	MWD
1552.00	53.94	89.43	1439.50	-26.48	352.33	351.49	6.87	6.87	0.40	MWD
1582.00	56.50	90.93	1456.62	-26.56	376.96	375.76	9.47	8.53	5.00	MWD
1613.00	59.25	92.31	1473.10	-27.31	403.20	401.72	9.64	8.87	4.45	MWD
1643.00	61.56	92.93	1487.91	-28.50	429.26	427.58	7.91	7.70	2.07	MWD
1673.00	64.81	92.93	1501.45	-29.87	455.99	454.14	10.83	10.83	0.00	MWD
1703.00	67.31	91.93	1513.62	-31.03	483.39	481.31	8.87	8.33	-3.33	MWD
1734.00	69.56	90.68	1525.01	-31.68	512.21	509.79	8.17	7.26	-4.03	MWD
1764.00	72.38	89.38	1534.79	-31.70	540.56	537.71	10.25	9.40	-4.33	MWD
1795.00	75.06	89.31	1543.48	-31.36	570.32	566.94	8.65	8.65	-0.23	MWD
1827.00	79.56	90.68	1550.51	-31.36	601.52	597.66	14.67	14.06	4.28	MWD
1858.00	82.50	91.18	1555.34	-31.85	632.14	627.89	9.62	9.48	1.61	MWD
1889.00	84.72	91.61	1558.79	-32.60	662.93	658.33	7.29	7.16	1.39	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO Energy Date: 4/8/2008 Time: 14.43.21 Page: 2
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Site: Henderson 5 #2, True North
Site: Henderson 5 #2 Vertical (TVD) Reference: SITE 6184.0
Well: #2 Section (VS) Reference: Well: (0.00N, 0.00E, 100.13Azi)
Wellpath: ST02 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT SVY ST 03

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1920.00	85.69	91.18	1561.39	-33.36	693.82	688.87	3.42	3.13	-1.39	MWD
1951.00	86.44	90.93	1563.51	-33.93	724.74	719.41	2.55	2.42	-0.81	MWD
1982.00	88.19	90.06	1564.97	-34.19	755.70	749.93	6.30	5.65	-2.81	MWD
2013.00	88.63	90.06	1565.83	-34.23	786.69	780.45	1.42	1.42	0.00	MWD
2044.00	88.56	90.06	1566.59	-34.26	817.68	810.96	0.23	-0.23	0.00	MWD
2076.00	89.69	89.68	1567.07	-34.19	849.68	842.44	3.73	3.53	-1.19	MWD
2107.00	90.31	89.81	1567.07	-34.05	880.67	872.93	2.04	2.00	0.42	MWD
2138.00	90.19	89.43	1566.94	-33.84	911.67	903.41	1.29	-0.39	-1.23	MWD
2167.00	89.19	89.93	1567.10	-33.68	940.67	931.93	3.86	-3.45	1.72	MWD
2200.00	89.06	89.43	1567.60	-33.50	973.67	964.38	1.57	-0.39	-1.52	MWD
2230.00	90.00	90.31	1567.85	-33.43	1003.67	993.90	4.29	3.13	2.93	MWD
2261.00	90.00	91.43	1567.85	-33.90	1034.66	1024.50	3.61	0.00	3.61	MWD
2292.00	89.38	91.81	1568.01	-34.77	1065.65	1055.15	2.35	-2.00	1.23	MWD
2322.00	89.56	93.18	1568.29	-36.08	1095.62	1084.89	4.61	0.60	4.57	MWD
2356.00	90.43	94.90	1568.29	-38.48	1129.53	1118.69	5.67	2.56	5.06	MWD
2387.00	91.63	96.43	1567.74	-41.54	1160.37	1149.59	6.27	3.87	4.94	MWD
2419.00	91.25	97.68	1566.93	-45.46	1192.12	1181.53	4.08	-1.19	3.91	MWD
2450.00	90.50	98.68	1566.46	-49.87	1222.80	1212.51	4.03	-2.42	3.23	MWD
2481.00	90.13	100.93	1566.29	-55.15	1253.35	1243.51	7.36	-1.19	7.26	MWD
2512.00	89.69	102.43	1566.34	-61.43	1283.70	1274.50	5.04	-1.42	4.84	MWD
2543.00	88.31	103.31	1566.88	-68.33	1313.92	1305.46	5.28	-4.45	2.84	MWD
2574.00	88.14	103.40	1567.84	-75.49	1344.07	1336.39	0.62	-0.55	0.29	MWD
2605.00	89.50	103.93	1568.48	-82.81	1374.18	1367.33	4.71	4.39	1.71	MWD
2636.00	90.19	105.18	1568.56	-90.60	1404.19	1398.23	4.61	2.23	4.03	MWD
2667.00	89.56	105.18	1568.63	-98.72	1434.10	1429.11	2.03	-2.03	0.00	MWD
2697.00	87.88	105.06	1569.30	-106.54	1463.06	1458.99	5.61	-5.60	-0.40	MWD
2727.00	87.63	104.56	1570.47	-114.20	1492.04	1488.87	1.86	-0.83	-1.67	MWD
2757.00	89.00	104.56	1571.36	-121.74	1521.06	1518.76	4.57	4.57	0.00	MWD
2788.00	89.56	104.81	1571.75	-129.60	1551.05	1549.66	1.98	1.81	0.81	MWD
2818.00	90.00	104.81	1571.86	-137.27	1580.05	1579.56	1.47	1.47	0.00	MWD
2848.00	89.69	104.06	1571.94	-144.75	1609.10	1609.48	2.71	-1.03	-2.50	MWD
2879.00	89.06	103.23	1572.28	-152.06	1639.23	1640.42	3.36	-2.03	-2.68	MWD
2909.00	88.88	101.68	1572.82	-158.53	1668.51	1670.39	5.20	-0.60	-5.17	MWD
2939.00	87.88	100.43	1573.67	-164.28	1697.94	1700.37	5.33	-3.33	-4.17	MWD
2970.00	87.44	100.18	1574.93	-169.82	1728.42	1731.34	1.63	-1.42	-0.81	MWD
3001.00	88.69	99.43	1575.98	-175.10	1758.95	1762.32	4.70	4.03	-2.42	MWD
3030.00	88.94	99.56	1576.58	-179.88	1787.54	1791.32	0.97	0.86	0.45	MWD
3059.00	90.06	99.31	1576.83	-184.63	1816.15	1820.31	3.96	3.86	-0.86	MWD
3089.00	90.06	99.18	1576.80	-189.45	1845.76	1850.31	0.43	0.00	-0.43	MWD
3120.00	89.44	100.31	1576.94	-194.70	1876.31	1881.31	4.16	-2.00	3.65	MWD
3151.00	88.88	101.56	1577.39	-200.58	1906.75	1912.30	4.42	-1.81	4.03	MWD
3181.00	89.00	101.68	1577.95	-206.62	1936.13	1942.28	0.57	0.40	0.40	MWD
3211.00	89.13	102.93	1578.44	-213.01	1965.43	1972.26	4.19	0.43	4.17	MWD
3241.00	89.50	103.06	1578.79	-219.76	1994.66	2002.22	1.31	1.23	0.43	MWD
3272.00	90.56	102.43	1578.78	-226.60	2024.90	2033.19	3.98	3.42	-2.03	MWD
3302.00	90.06	100.93	1578.62	-232.67	2054.27	2063.17	5.27	-1.67	-5.00	MWD
3333.00	90.69	100.93	1578.41	-238.55	2084.71	2094.17	2.03	2.03	0.00	MWD
3365.00	91.56	103.31	1577.78	-245.27	2115.99	2126.14	7.92	2.72	7.44	MWD
3395.00	90.87	106.32	1577.15	-252.93	2144.98	2156.03	10.29	-2.30	10.03	MWD
3426.00	90.13	106.31	1576.88	-261.64	2174.73	2186.85	2.39	-2.39	-0.03	MWD
3458.00	90.94	106.18	1576.58	-270.59	2205.45	2218.67	2.56	2.53	-0.41	MWD
3487.00	91.69	105.81	1575.91	-278.58	2233.32	2247.51	2.88	2.59	-1.28	MWD
3518.00	90.69	105.68	1575.27	-286.99	2263.15	2278.35	3.25	-3.23	-0.42	MWD



Weatherford International, Inc.

Survey Report

**Weatherford**

Company: XTO Energy Date: 4/8/2008 Time: 14:43:21 Page: 3
Field: San Juan, NM (NAD 83) Co-ordinate(NE) Reference: Site: Henderson 5 #2, True North
Site: Henderson 5 #2 Vertical (TVD) Reference: SITE 6184.0
Well: #2 Section (VS) Reference: Well (0.00N:0.00E,100.13Azi)
Wellpath: ST02 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: WFT SVY ST 03

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3548.00	90.06	105.06	1575.07	-294.94	2292.08	2308.22	2.95	-2.10	-2.07	MWD
3579.00	88.56	104.93	1575.45	-302.96	2322.02	2339.11	4.86	-4.84	-0.42	MWD
3609.00	89.06	104.93	1576.07	-310.69	2351.00	2369.00	1.67	1.67	0.00	MWD
3639.00	89.38	104.93	1576.48	-318.42	2379.99	2398.89	1.07	1.07	0.00	MWD
3669.00	88.69	105.06	1576.98	-326.18	2408.96	2428.78	2.34	-2.30	0.43	MWD
3699.00	89.36	104.75	1577.49	-333.90	2437.95	2458.67	2.46	2.23	-1.03	MWD
3729.00	90.19	105.06	1577.61	-341.61	2466.94	2488.56	2.95	2.77	1.03	MWD
3760.00	88.69	104.93	1577.91	-349.63	2496.88	2519.45	4.86	-4.84	-0.42	MWD
3790.00	87.44	104.31	1578.93	-357.20	2525.89	2549.34	4.65	-4.17	-2.07	MWD
3820.00	87.75	103.93	1580.19	-364.51	2554.96	2579.24	1.63	1.03	-1.27	MWD
3850.00	88.50	104.31	1581.17	-371.83	2584.04	2609.15	2.80	2.50	1.27	MWD
3880.00	89.19	105.68	1581.77	-379.59	2613.01	2639.04	5.11	2.30	4.57	MWD
3911.00	89.88	106.18	1582.02	-388.09	2642.82	2669.88	2.75	2.23	1.61	MWD
3942.00	90.38	105.68	1581.95	-396.60	2672.62	2700.72	2.28	1.61	-1.61	MWD
3972.00	90.13	105.68	1581.82	-404.71	2701.51	2730.58	0.83	-0.83	0.00	MWD
4003.00	91.06	105.68	1581.50	-413.09	2731.35	2761.43	3.00	3.00	0.00	MWD
4032.00	90.75	105.31	1581.04	-420.84	2759.29	2790.30	1.66	-1.07	-1.28	MWD
4063.00	89.96	104.73	1580.85	-428.87	2789.23	2821.18	3.16	-2.55	-1.87	MWD
4095.00	89.13	103.93	1581.10	-436.79	2820.24	2853.10	3.60	-2.59	-2.50	MWD
4126.00	88.50	103.06	1581.74	-444.02	2850.37	2884.04	3.46	-2.03	-2.81	MWD
4148.00	88.75	103.18	1582.27	-449.01	2871.79	2906.00	1.26	1.14	0.55	MWD
4179.00	89.38	103.81	1582.78	-456.25	2901.93	2936.94	2.87	2.03	2.03	MWD
4210.00	90.25	104.06	1582.88	-463.71	2932.02	2967.87	2.92	2.81	0.81	MWD
4241.00	88.94	103.93	1583.10	-471.21	2962.10	2998.80	4.25	-4.23	-0.42	MWD
4272.00	89.38	103.68	1583.55	-478.60	2992.20	3029.73	1.63	1.42	-0.81	MWD
4303.00	89.38	105.18	1583.89	-486.33	3022.22	3060.64	4.84	0.00	4.84	MWD
4333.00	89.63	105.43	1584.15	-494.25	3051.16	3090.52	1.18	0.83	0.83	MWD
4363.00	90.19	105.56	1584.19	-502.26	3080.06	3120.39	1.92	1.87	0.43	MWD
4393.00	90.94	105.43	1583.90	-510.28	3108.97	3150.26	2.54	2.50	-0.43	MWD
4422.00	90.38	105.56	1583.56	-518.02	3136.92	3179.13	1.98	-1.93	0.45	MWD
4452.00	90.81	105.06	1583.25	-525.94	3165.85	3209.00	2.20	1.43	-1.67	MWD
4482.00	88.44	105.43	1583.45	-533.83	3194.79	3238.88	8.00	-7.90	1.23	MWD
4512.00	87.19	105.43	1584.59	-541.81	3223.69	3268.73	4.17	-4.17	0.00	MWD
4541.00	88.88	105.18	1585.59	-549.46	3251.64	3297.59	5.89	5.83	-0.86	MWD
4571.00	91.44	105.06	1585.50	-557.28	3280.60	3327.48	8.54	8.53	-0.40	MWD
4601.00	91.88	105.56	1584.63	-565.20	3309.52	3357.34	2.22	1.47	1.67	MWD
4631.00	93.44	105.68	1583.24	-573.27	3338.38	3387.17	5.22	5.20	0.40	MWD
4661.00	91.56	105.68	1581.93	-581.37	3367.24	3417.00	6.27	-6.27	0.00	MWD
4692.00	89.31	104.93	1581.70	-589.55	3397.14	3447.87	7.65	-7.26	-2.42	MWD
4722.00	89.19	104.93	1582.09	-597.28	3426.12	3477.76	0.40	-0.40	0.00	MWD
4752.00	88.24	105.34	1582.76	-605.11	3455.07	3507.64	3.45	-3.17	1.37	MWD
4782.00	87.73	105.23	1583.82	-613.01	3483.99	3537.50	1.74	-1.70	-0.37	LAST SVY @ 4782' MD
4830.00	87.73	105.23	1585.72	-625.61	3530.27	3585.27	0.00	0.00	0.00	PROJ TO BIT

Annotation

MD ft	TVD ft	
1113.00	1101.60	TIE ON TOP WHIP
4782.00	1583.82	LAST SVY @ 4782' MD
4830.00	1585.72	PROJ TO BIT