

HALLIBURTON

30015 42929

3950 Interwood South Parkway • Houston, TX 77032

PHONE 281.986.4400 • FAX 281.986.4499

State of New Mexico, Eddy County

I, JJ Peters, certify that I am employed by Halliburton Energy Services, Inc. (AKA Sperry Drilling) and that on the dates of February 26, 2015 through March 10, 2015 I did conduct or supervise the taking of MWD Directional surveys for the well Corral Canyon Federal 17H from 5710' MD to 10982' MD. This data is true, correct, complete and within the limitations of the tools as set forth by Halliburton Energy Services, Inc. (AKA Sperry Drilling). I am authorized and qualified to make this report and this survey was conducted at the request of XTO for the Corral Canyon Federal 17H well, API No. 30-015 42929-0000 in Eddy County, New Mexico. I have reviewed this report and find that it conforms to the principles and procedures as set forth by Halliburton Energy Services, Inc. (AKA Sperry Drilling).



JJ Peters
MWD Field Engineer

XTO Energy, INC
Corral Canyon Federal 17H
Eddy County, NM
Noram 25
API# 30-015-42929-0000

February 26, 2015 – March 10, 2015

MO-XX-0904177861

Sperry Drilling Survey Report

Submitted by JJ Peters
3950 Interwood South Parkway
Houston, TX 77032
Ph: 281.986.4400

HALLIBURTON

**Drilling and Formation
Evaluation**



Survey Report for XTO Energy, INC.

Rig : Noram 25
Well Name : Corral Canyon Federal 17H
Field Name : Brushy Canyon "E3"
Country : USA
Job Number : MO-XX-0902177861
Job Start Date : 26-Feb-15
API Number : 30-015-42929-0000

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 10 2015

RECEIVED

DIRECTIONAL SURVEY DATA

Tie-In

0.00

0.00

0.00

0.00

0.00 N

0.00 E

Measured Depth (ft)	Inclination (deg)	Direction (deg)	Vertical Depth (ft)	Latitude (ft)	Departure (ft)	Vertical Section (ft)	Dogleg (/100)
100.00	0.51	53.74	100.00	0.26 N	0.36 E	0.30	0.51
200.00	0.90	54.88	199.99	0.98 N	1.36 E	1.10	0.39
300.00	0.76	91.60	299.98	1.41 N	2.67 E	1.65	0.54
400.00	0.86	107.05	399.97	1.17 N	4.05 E	1.55	0.24
500.00	1.06	107.31	499.96	0.68 N	5.65 E	1.20	0.20
600.00	1.06	92.83	599.94	0.36 N	7.45 E	1.05	0.27
700.00	1.20	88.90	699.92	0.33 N	9.42 E	1.21	0.16
800.00	1.31	91.83	799.90	0.31 N	11.61 E	1.40	0.13
900.00	1.33	60.49	899.87	0.85 N	13.77 E	2.13	0.71
1000.00	1.84	42.07	999.83	2.61 N	15.85 E	4.09	0.71
1100.00	2.21	43.71	1,099.77	5.20 N	18.26 E	6.89	0.37
1200.00	2.97	73.32	1,199.67	7.34 N	22.07 E	9.37	1.51
1300.00	3.13	73.68	1,299.53	8.85 N	27.18 E	11.35	0.16
1400.00	3.32	73.88	1,399.37	10.42 N	32.58 E	13.42	0.19
1500.00	4.05	71.99	1,499.16	12.31 N	38.72 E	15.88	0.74
1600.00	4.89	68.77	1,598.86	14.95 N	46.05 E	19.19	0.88
1700.00	5.02	72.07	1,698.49	17.84 N	54.18 E	22.83	0.31
1800.00	5.84	71.02	1,798.04	20.84 N	63.16 E	26.66	0.83
1900.00	6.09	70.76	1,897.50	24.24 N	72.98 E	30.97	0.25
2000.00	4.53	66.65	1,997.06	27.56 N	81.61 E	35.07	1.60
2100.00	3.18	62.76	2,096.84	30.39 N	87.70 E	38.47	1.37
2200.00	1.81	55.57	2,196.74	32.55 N	91.47 E	40.97	1.40
2300.00	0.98	42.74	2,296.71	34.08 N	93.36 E	42.66	0.88
2400.00	0.24	265.12	2,396.70	34.69 N	93.73 E	43.31	1.17
2500.00	0.30	91.79	2,496.70	34.66 N	93.78 E	43.28	0.54
2600.00	0.25	81.47	2,596.70	34.68 N	94.26 E	43.35	0.07
2700.00	0.58	59.06	2,696.70	34.98 N	94.91 E	43.71	0.36
2800.00	0.81	310.62	2,796.70	35.70 N	94.81 E	44.41	1.14
2900.00	0.53	244.32	2,896.69	35.96 N	93.85 E	44.58	0.77
3000.00	0.86	226.32	2,996.68	35.24 N	92.89 E	43.78	0.39
3100.00	0.88	234.51	3,096.67	34.27 N	91.72 E	42.71	0.13
3200.00	0.79	226.90	3,196.66	33.36 N	90.60 E	41.69	0.14
3300.00	0.74	235.97	3,296.65	32.52 N	89.56 E	40.76	0.13
3400.00	0.89	234.80	3,396.64	31.72 N	88.39 E	39.85	0.15
3500.00	0.64	234.38	3,496.63	30.94 N	87.30 E	38.98	0.25
3600.00	0.64	235.45	3,596.63	30.30 N	86.39 E	38.25	0.01
3700.00	0.60	232.76	3,696.62	29.67 N	85.51 E	37.54	0.05
3800.00	0.48	227.68	3,796.62	29.07 N	84.78 E	36.88	0.13
3900.00	0.60	233.22	3,896.61	28.47 N	84.05 E	36.21	0.13
4000.00	0.47	233.22	3,996.61	27.91 N	83.30 E	35.59	0.13
4100.00	0.49	243.38	4,096.60	27.48 N	82.59 E	35.09	0.09

DIRECTIONAL SURVEY DATA

Measured Depth (ft)	Inclination (deg)	Direction (deg)	Vertical Depth (ft)	Latitude (ft)	Departure (ft)	Vertical Section (ft)	Dogleg (%/100')
4200.00	0.49	258.27	4,196.60	27.20 N	81.79 E	34.73	0.13
4300.00	0.42	265.78	4,296.60	27.08 N	81.01 E	34.55	0.09
4400.00	0.31	261.47	4,396.59	27.02 N	80.38 E	34.42	0.11
4500.00	0.22	258.37	4,496.59	26.94 N	79.92 E	34.30	0.09
4600.00	0.14	295.63	4,596.59	26.95 N	79.62 E	34.29	0.14
4700.00	0.13	277.60	4,696.59	27.02 N	79.40 E	34.33	0.04
4800.00	0.17	279.32	4,796.59	27.06 N	79.14 E	34.35	0.04
4900.00	0.18	189.52	4,896.59	26.93 N	78.97 E	34.20	0.25
5000.00	0.47	190.46	4,996.59	26.37 N	78.87 E	33.64	0.29
5100.00	0.62	190.05	5,096.59	25.43 N	78.70 E	32.69	0.15
5200.00	0.75	196.43	5,196.58	24.27 N	78.42 E	31.51	0.15
5300.00	0.91	210.29	5,296.57	22.96 N	77.83 E	30.14	0.26
5400.00	0.99	214.60	5,396.55	21.56 N	76.94 E	28.67	0.11
5500.00	1.12	229.71	5,496.54	20.22 N	75.71 E	27.22	0.31
5600.00	0.87	234.36	5,596.52	19.15 N	74.34 E	26.02	0.26
5710.00	4.39	4.51	5,706.42	22.86 N	74.00 E	29.69	4.55
5742.00	5.45	9.96	5,738.31	25.58 N	74.36 E	32.43	3.60
5773.00	8.26	9.08	5,769.08	29.23 N	74.96 E	36.12	9.08
5805.00	11.78	8.38	5,800.59	34.73 N	75.80 E	41.68	10.99
5836.00	16.00	6.79	5,830.68	42.11 N	76.77 E	49.11	13.66
5868.00	18.98	4.68	5,861.19	51.68 N	77.71 E	58.72	9.54
5899.00	21.62	3.98	5,890.26	62.40 N	78.52 E	69.48	8.54
5930.00	24.26	4.51	5,918.81	74.45 N	79.42 E	81.56	8.53
5962.00	26.89	4.51	5,947.67	88.22 N	80.51 E	95.37	8.24
5993.00	28.74	4.68	5,975.09	102.64 N	81.67 E	109.83	5.96
6025.00	31.46	4.68	6,002.77	118.63 N	82.98 E	125.88	8.51
6056.00	33.57	4.68	6,028.91	135.24 N	84.34 E	142.54	6.80
6087.00	35.60	4.51	6,054.43	152.78 N	85.75 E	160.14	6.53
6119.00	36.30	4.51	6,080.33	171.51 N	87.22 E	178.92	2.20
6151.00	37.53	4.86	6,105.92	190.66 N	88.79 E	198.14	3.90
6182.00	39.02	4.33	6,130.25	209.80 N	90.33 E	217.34	4.93
6214.00	41.31	4.51	6,154.71	230.38 N	91.92 E	237.97	7.15
6245.00	42.71	4.16	6,177.74	251.07 N	93.49 E	258.72	4.60
6277.00	43.15	4.33	6,201.17	272.81 N	95.10 E	280.51	1.42
6308.00	44.65	4.33	6,223.50	294.24 N	96.73 E	302.00	4.82
6340.00	45.00	4.16	6,246.20	316.74 N	98.40 E	324.55	1.16
6371.00	45.79	4.51	6,267.97	338.74 N	100.07 E	346.62	2.68
6403.00	46.93	4.33	6,290.05	361.83 N	101.85 E	369.78	3.59
6434.00	48.16	4.16	6,310.98	384.64 N	103.54 E	392.64	3.99
6466.00	49.04	4.33	6,332.14	408.58 N	105.32 E	416.64	2.78
6497.00	49.75	4.51	6,352.31	432.05 N	107.13 E	440.18	2.31
6529.00	50.19	4.86	6,372.90	456.47 N	109.14 E	464.68	1.61
6560.00	52.12	4.51	6,392.34	480.53 N	111.11 E	488.82	6.30
6592.00	55.02	3.98	6,411.34	506.20 N	113.01 E	514.55	9.16
6623.00	58.97	3.63	6,428.22	532.14 N	114.73 E	540.54	12.79

DIRECTIONAL SURVEY DATA

Measured Depth (ft)	Inclination (deg)	Direction (deg)	Vertical Depth (ft)	Latitude (ft)	Departure (ft)	Vertical Section (ft)	Dogleg (1/100)
6654.00	61.79	3.63	6,443.54	559.03 N	116.44 E	567.47	9.07
6686.00	66.80	3.63	6,457.42	587.79 N	118.26 E	596.28	15.66
6717.00	70.75	3.10	6,468.64	616.63 N	119.96 E	625.15	12.86
6749.00	75.32	3.63	6,477.98	647.18 N	121.76 E	655.74	14.37
6780.00	80.16	4.16	6,484.56	677.39 N	123.81 E	686.01	15.68
6843.00	88.07	2.22	6,491.02	739.91 N	127.29 E	748.58	12.92
6875.00	90.53	1.34	6,491.41	771.89 N	128.29 E	780.51	8.17
6938.00	92.64	0.47	6,489.67	834.86 N	129.28 E	843.29	3.63
7032.00	95.10	0.64	6,483.33	928.63 N	130.19 E	936.74	2.62
7126.00	90.00	1.34	6,479.16	1,022.49 N	131.82 E	1030.34	5.47
7221.00	86.48	2.05	6,482.07	1,117.39 N	134.63 E	1125.09	3.77
7315.00	89.47	4.16	6,485.39	1,211.18 N	139.71 E	1218.94	3.89
7410.00	91.49	4.68	6,484.59	1,305.89 N	147.03 E	1313.92	2.20
7504.00	89.91	4.51	6,483.44	1,399.57 N	154.57 E	1407.90	1.69
7599.00	89.74	5.21	6,483.73	1,494.23 N	162.62 E	1502.89	0.76
7694.00	88.86	5.39	6,484.89	1,588.82 N	171.39 E	1597.88	0.94
7789.00	89.74	6.97	6,486.06	1,683.25 N	181.61 E	1692.86	1.90
7883.00	89.91	5.39	6,486.35	1,776.70 N	191.73 E	1786.85	1.69
7978.00	89.21	2.22	6,487.08	1,871.48 N	198.03 E	1881.80	3.41
8072.00	88.59	2.05	6,488.88	1,965.40 N	201.54 E	1975.63	0.68
8166.00	90.53	4.51	6,489.61	2,059.23 N	206.91 E	2069.55	3.33
8261.00	92.28	4.33	6,487.28	2,153.91 N	214.23 E	2164.51	1.86
8355.00	90.88	3.28	6,484.68	2,247.67 N	220.47 E	2258.44	1.87
8402.00	89.12	2.40	6,484.68	2,294.61 N	222.80 E	2305.39	4.18
8449.00	89.65	2.05	6,485.19	2,341.57 N	224.62 E	2352.31	1.35
8496.00	90.44	2.75	6,485.15	2,388.53 N	226.59 E	2399.25	2.25
8544.00	90.79	2.75	6,484.64	2,436.47 N	228.89 E	2447.20	0.73
8638.00	90.61	2.75	6,483.48	2,530.35 N	233.40 E	2541.09	0.19
8732.00	89.03	3.45	6,483.77	2,624.21 N	238.49 E	2635.01	1.84
8827.00	90.97	4.33	6,483.78	2,718.99 N	244.94 E	2729.98	2.24
8921.00	90.61	5.04	6,482.48	2,812.66 N	252.62 E	2823.96	0.84
9016.00	87.63	4.68	6,483.94	2,907.30 N	260.66 E	2918.93	3.17
9110.00	88.15	5.21	6,487.40	3,000.88 N	268.77 E	3012.87	0.79
9204.00	88.42	6.09	6,490.21	3,094.39 N	278.02 E	3106.82	0.98
9299.00	87.45	5.74	6,493.64	3,188.82 N	287.80 E	3201.76	1.08
9394.00	88.24	5.56	6,497.21	3,283.29 N	297.15 E	3296.69	0.85
9488.00	89.91	6.09	6,498.72	3,376.79 N	306.69 E	3390.67	1.86
9582.00	90.79	6.44	6,498.15	3,470.22 N	316.95 E	3484.65	1.01
9677.00	92.20	5.92	6,495.67	3,564.63 N	327.17 E	3579.61	1.58
9771.00	91.41	5.74	6,492.71	3,658.10 N	336.71 E	3673.56	0.86
9866.00	89.12	5.74	6,492.28	3,752.62 N	346.21 E	3768.55	2.41
9962.00	89.47	5.04	6,493.46	3,848.19 N	355.23 E	3864.54	0.82
10056.00	88.77	4.51	6,494.90	3,941.85 N	363.05 E	3958.52	0.93
10151.00	90.61	4.86	6,495.41	4,036.53 N	370.80 E	4053.51	1.98
10246.00	89.12	2.93	6,495.63	4,131.30 N	377.25 E	4148.47	2.57

DIRECTIONAL SURVEY DATA

Measured Depth (ft)	Inclination (deg)	Direction (deg)	Vertical Depth (ft)	Latitude (ft)	Departure (ft)	Vertical Section (ft)	Dogleg (%/100')
10341.00	90.79	2.40	6,495.71	4,226.19 N	381.67 E	4243.36	1.84
10415.00	91.23	1.70	6,494.40	4,300.13 N	384.31 E	4317.23	1.12
10509.00	90.35	3.28	6,493.10	4,394.03 N	388.40 E	4411.10	1.92
10604.00	90.70	3.28	6,492.23	4,488.87 N	393.83 E	4506.03	0.37
10698.00	89.82	3.81	6,491.80	4,582.69 N	399.64 E	4599.98	1.09
10792.00	90.00	4.51	6,491.94	4,676.44 N	406.45 E	4693.96	0.77
10887.00	91.14	4.16	6,491.00	4,771.16 N	413.63 E	4788.93	1.26
10982.00	92.20	4.33	6,488.23	4,865.86 N	420.66 E	4883.87	1.13
11045.00	92.20	4.33	6,485.81	4,928.64 N	425.41 E	4946.82	0.01

SURVEY FOOTER

SURVEYS CALCULATED USING SHORT COLLAR METHOD
 TIE-ON SURVEY ASSUMED VERTICAL AT SURFACE
 SURVEYS FROM 100' MD TO 5600' MD PROVIDED BY MULTISHOT DIRECTIONAL SERVICES
 SURVEYS FROM 5710' MD TO 10982' MD PROVIDED BY SPERRY DRILLING SERVICES
 SURVEY AT 10982' MD HAS BEEN PROJECTED TO TD AT 11045' MD
 SPERRY ENGINEERS: JJ PETERS, KRISTI FUNARI, ELENA ULLOA

DIRECTIONAL SURVEY DATA NOTES

- Calculation based on minimum curvature method.
- Survey coordinates relative to well system reference point.
- TVD values given relative to drilling measurement point.
- Vertical section relative to well head.
- Vertical section is computed along a direction of 5.37 degrees (Grid)
- A total correction of 7.32 deg from Magnetic north to Grid north has been applied
- Horizontal displacement is relative to the well head.
- Horizontal displacement (closure) at 11,045.00 feet is 4,946.96 feet along 4.93 degrees (Grid)

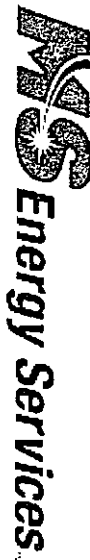
WARRANTY

HALLIBURTON ENERGY SERVICES, INC. WILL USE ITS BEST EFFORTS TO FURNISH CUSTOMERS WITH ACCURATE INFORMATION AND INTERPRETATIONS THAT ARE PART OF, AND INCIDENT TO, THE SERVICES PROVIDED. HOWEVER, HALLIBURTON ENERGY SERVICES, INC. CANNOT AND DOES NOT WARRANT THE ACCURACY OR CORRECTNESS OF SUCH INFORMATION AND INTERPRETATIONS. UNDER NO CIRCUMSTANCES SHOULD ANY SUCH INFORMATION OR INTERPRETATION BE RELIED UPON AS THE SOLE BASIS FOR ANY DRILLING, COMPLETION, PRODUCTION, OR FINANCIAL DECISION OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING VENTURE, DRILLING RIG OR ITS CREW OR ANY THIRD PARTY. THE CUSTOMER HAS FULL RESPONSIBILITY FOR ALL DRILLING, COMPLETION, AND PRODUCTION OPERATION. HALLIBURTON ENERGY SERVICES, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SERVICES RENDERED. IN NO EVENT WILL HALLIBURTON ENERGY SERVICES, INC. SERVICES BE LIABLE FOR FAILURE TO OBTAIN ANY PARTICULAR RESULTS OR FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OF ANY INFORMATION OR INTERPRETATION PROVIDED BY HALLIBURTON ENERGY SERVICES, INC.

HALLIBURTON | Sperry Drilling

HALLIBURTON / SPERRY DRILLING
3950 INTERWOOD S. PARKWAY
HOUSTON, TEXAS 77032

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Job Number: SVMO-150174
 Company: XTO Energy, Inc.
 Lease/Well: Corral Canyon Fed 17H
 Location: Eddy County, NM
 Rig Name: Noram #25
 RKB: 25'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.33°
 Grid: East To Grid North
 File name: S:\2015SU-1IXTOENE-1IMOICORRAL-1117H.SVY
 Date/Time: 02-Mar-15 / 12:11
 Curve Name: Surface - 5600' M.D. (Rate Gyro)

MS SURVEY

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 5.37

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 SURFACE MD to 5,600 MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 TransPack
 MS Energy Services
 Date 3/21/15

Measured Depth FT	Incl. Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.51	53.74	100.00	.26	.36	.30	.45	53.74	.51
200.00	.90	54.88	199.99	.98	1.36	1.10	1.68	54.27	.39
300.00	.76	91.60	299.98	1.41	2.67	1.65	3.02	62.10	.54
400.00	.86	107.05	399.97	1.17	4.05	1.55	4.21	73.83	.24
500.00	1.06	107.31	499.96	.68	5.65	1.20	5.69	83.16	.20
600.00	1.06	92.83	599.94	.36	7.45	1.05	7.46	87.26	.27
700.00	1.20	88.90	699.92	.33	9.42	1.21	9.43	87.99	.16
800.00	1.31	91.83	799.90	.31	11.61	1.40	11.62	88.45	.13
900.00	1.33	60.49	899.87	.85	13.77	2.13	13.79	86.47	.71

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
1000.00	1.84	42.07	999.83	2.61	15.85	4.09	16.07	80.64	.71
1100.00	2.21	43.71	1099.77	5.20	18.26	6.89	18.99	74.11	.37
1200.00	2.97	73.32	1199.67	7.34	22.07	9.37	23.26	71.62	1.51
1300.00	3.13	73.68	1299.53	8.85	27.18	11.35	28.58	71.97	.16
1400.00	3.32	73.88	1399.37	10.42	32.58	13.42	34.20	72.27	.19
1500.00	4.05	71.99	1499.16	12.31	38.72	15.88	40.63	72.36	.74
1600.00	4.89	68.77	1598.86	14.95	46.05	19.19	48.42	72.01	.88
1700.00	5.02	72.07	1698.49	17.84	54.18	22.83	57.05	71.78	.31
1800.00	5.84	71.02	1798.04	20.84	63.16	26.66	66.51	71.74	.83
1900.00	6.09	70.76	1897.50	24.24	72.98	30.97	76.90	71.62	.25
2000.00	4.53	66.65	1997.06	27.56	81.61	35.07	86.14	71.34	1.60
2100.00	3.18	62.76	2096.84	30.39	87.70	38.47	92.82	70.89	1.37
2200.00	1.81	55.57	2196.74	32.55	91.47	40.97	97.09	70.41	1.40
2300.00	.98	42.74	2296.71	34.08	93.36	42.66	99.38	69.95	.88
2400.00	.24	265.12	2396.70	34.69	93.73	43.31	99.94	69.69	1.17
2500.00	.30	91.79	2496.70	34.66	93.78	43.28	99.98	69.72	.54
2600.00	.25	81.47	2596.70	34.68	94.26	43.35	100.44	69.80	.07
2700.00	.58	59.06	2696.70	34.98	94.91	43.71	101.15	69.77	.36
2800.00	.81	310.62	2796.70	35.70	94.81	44.41	101.30	69.37	1.14
2900.00	.53	244.32	2896.69	35.96	93.85	44.58	100.50	69.04	.77
3000.00	.86	226.32	2996.68	35.24	92.89	43.78	99.35	69.23	.39
3100.00	.88	234.51	3096.67	34.27	91.72	42.71	97.92	69.51	.13
3200.00	.79	226.90	3196.66	33.36	90.60	41.69	96.54	69.79	.14
3300.00	.74	235.97	3296.65	32.52	89.56	40.76	95.28	70.04	.13
3400.00	.89	234.80	3396.64	31.72	88.39	39.85	93.91	70.26	.15
3500.00	.64	234.38	3496.63	30.94	87.30	38.98	92.62	70.48	.25
3600.00	.64	235.45	3596.63	30.30	86.39	38.25	91.55	70.67	.01
3700.00	.60	232.76	3696.62	29.67	85.51	37.54	90.51	70.87	.05
3800.00	.48	227.68	3796.62	29.07	84.78	36.88	89.63	71.08	.13

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
3900.00	.60	233.22	3896.61	28.47	84.05	36.21	88.74	71.29	.13
4000.00	.47	233.22	3996.61	27.91	83.30	35.59	87.86	71.47	.13
4100.00	.49	243.38	4096.60	27.48	82.59	35.09	87.04	71.60	.09
4200.00	.49	258.27	4196.60	27.20	81.79	34.73	86.20	71.61	.13
4300.00	.42	265.78	4296.60	27.08	81.01	34.55	85.42	71.51	.09
4400.00	.31	261.47	4396.59	27.02	80.38	34.42	84.80	71.42	.11
4500.00	.22	258.37	4496.59	26.94	79.92	34.30	84.34	71.37	.09
4600.00	.14	295.63	4596.59	26.95	79.62	34.29	84.06	71.30	.14
4700.00	.13	277.60	4696.59	27.02	79.40	34.33	83.87	71.21	.04
4800.00	.17	279.32	4796.59	27.06	79.14	34.35	83.64	71.12	.04
4900.00	.18	189.52	4896.59	26.93	78.97	34.20	83.43	71.17	.25
5000.00	.47	190.46	4996.59	26.37	78.87	33.64	83.16	71.51	.29
5100.00	.62	190.05	5096.59	25.43	78.70	32.69	82.71	72.09	.15
5200.00	.75	196.43	5196.58	24.27	78.42	31.51	82.09	72.80	.15
5300.00	.91	210.29	5296.57	22.96	77.83	30.14	81.15	73.56	.26
5400.00	.99	214.60	5396.55	21.56	76.94	28.67	79.91	74.34	.11
5500.00	1.12	229.71	5496.54	20.22	75.71	27.22	78.36	75.05	.31
Last Survey Depth Recorded									
5600.00	.87	234.36	5596.52	19.15	74.34	26.02	76.77	75.56	.26