

30 015 37341



DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) STEWART ROBERTSON
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 01/24/10 TO 01/26/10
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NM
RIG: H & P 340

9. SURVEY CERTIFIED FROM: 866 TO 4110 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 15.84 FEET ON A BEARING OF 127.20 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 4190 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

FRANCISCO SINISTERRA
M/LWD SERVICE COORDINATOR



PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 01/23/2010
Date Completed: 01/26/2010

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NEW MEXICO
Rig:H&P 340
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:S. ROBERTSON

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.22.56.8000 N LON:103.44.28.4391 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 682783.4000 Y: 503354.0000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.53° EAST TO GRID
Vertical Section Plane: 278.73
Survey Vert. Reference: 16.50' Rotary Table To Ground
Altitude:3539.90' Ground To MSL

Measured Depth	4190.00	(feet)
Inclination	0.62	(deg)
Azimuth	48.66	(deg)
True Vertical Depth	4189.53	(feet)
Vertical Section	-13.92	(feet)
Survey X cord	682796.02	(feet)
Survey Y cord	503344.40	(feet)
Survey Lat	32.38241784 N	(deg)
Survey Lon	103.74119238 W	(deg)
Rectangular Corr. N/S	9.58 S	(feet)
Rectangular Corr. E/W	12.62 E	(feet)
Closure Distance	15.84	(feet)
Direction of Closure	127.20	(deg)
Dogleg Severity	0.12	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NEW MEXICO
Rig:H&P 340
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers: S. ROBERTSON

Page 01/03
Tie-in Date: 01/23/2010
Date Completed: 01/26/2010

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.22.56.8000 N LON:103.44.28.4391 W
Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 682783.4000 Y: 503354.0000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.53° EAST TO GRID
Vertical Section Plane: 278.73
Survey Vert. Reference: 16.50' Rotary Table To Ground
Altitude:3539.90' Ground To MSL

Survey Calculations by RX5 V6.02B using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
THE FOLLOWING ARE SCIENTIFIC DRILLING GYRO SURVEYS.										
0.00	0.00	0.00	-0.00	0.00	0.00	0.00 S	0.00 W	0.00@	259.10	0.00
100.00	0.58	231.58	99.99	100.00	0.35	0.32 S	0.40 W	0.51@	231.81	0.58
200.00	0.59	227.56	199.99	100.00	1.02	0.98 S	1.18 W	1.53@	230.31	0.04
300.00	0.55	242.52	299.98	100.00	1.73	1.55 S	1.98 W	2.51@	232.06	0.15
400.00	0.37	250.55	399.98	100.00	2.40	1.88 S	2.71 W	3.30@	235.35	0.19
500.00	0.40	237.07	499.98	100.00	2.94	2.17 S	3.31 W	3.96@	236.73	0.09
600.00	0.34	249.46	599.98	100.00	3.46	2.47 S	3.88 W	4.60@	237.57	0.10
700.00	0.44	249.00	699.97	100.00	4.05	2.71 S	4.52 W	5.27@	239.06	0.10
800.00	0.56	238.47	799.97	100.00	4.76	3.10 S	5.29 W	6.13@	239.63	0.15
**	TIE-IN TO SCIENTIFIC DRILLING GYRO SURVEYS @ 804'MD.									
804.00	0.30	277.59	803.97	4.00	4.79	3.11 S	5.32 W	6.16@	239.69	9.45
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
866.00	0.35	230.51	865.97	62.00	5.07	3.21 S	5.63 W	6.48@	240.30	0.42
956.00	0.26	224.01	955.97	90.00	5.38	3.53 S	5.98 W	6.95@	239.45	0.11
1046.00	0.26	214.95	1045.97	90.00	5.58	3.84 S	6.24 W	7.33@	238.36	0.05
1136.00	0.35	208.01	1135.97	90.00	5.77	4.25 S	6.49 W	7.76@	236.73	0.11
1228.00	0.44	232.62	1227.96	92.00	6.10	4.72 S	6.90 W	8.36@	235.63	0.21
1318.00	0.44	208.45	1317.96	90.00	6.46	5.23 S	7.34 W	9.01@	234.52	0.20
1408.00	0.53	202.30	1407.96	90.00	6.67	5.92 S	7.66 W	9.68@	232.30	0.12
1498.00	0.44	195.00	1497.95	90.00	6.81	6.64 S	7.91 W	10.33@	229.98	0.12
1588.00	0.62	212.49	1587.95	90.00	7.04	7.38 S	8.26 W	11.08@	228.20	0.27
1679.00	0.62	201.51	1678.95	91.00	7.35	8.26 S	8.70 W	12.00@	226.51	0.13
1769.00	0.70	174.17	1768.94	90.00	7.32	9.26 S	8.83 W	12.79@	223.64	0.36
1859.00	0.88	168.46	1858.93	90.00	6.94	10.48 S	8.63 W	13.58@	219.48	0.22
1949.00	1.06	180.06	1948.92	90.00	6.58	11.99 S	8.50 W	14.69@	215.32	0.30

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NEW MEXICO
RIG:H&P 340

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)
2040.00	1.32	185.68	2039.90	91.00	6.39	13.88 S	8.60 W	16.32@	211.79	0.31
2126.00	1.23	193.42	2125.88	86.00	6.42	15.76 S	8.91 W	18.10@	209.49	0.23
2216.00	1.06	192.19	2215.86	90.00	6.55	17.51 S	9.31 W	19.83@	208.00	0.19
2306.00	0.70	193.51	2305.85	90.00	6.64	18.86 S	9.62 W	21.17@	207.02	0.40
2396.00	0.00	203.97	2395.85	90.00	6.69	19.39 S	9.74 W	21.71@	206.68	0.78
2487.00	0.35	30.21	2486.85	91.00	6.59	19.15 S	9.60 W	21.43@	206.63	0.38
2577.00	0.62	28.01	2576.84	90.00	6.32	18.49 S	9.24 W	20.67@	206.55	0.30
2667.00	0.70	24.14	2666.84	90.00	6.02	17.56 S	8.78 W	19.63@	206.58	0.10
2757.00	0.70	28.89	2756.83	90.00	5.68	16.57 S	8.29 W	18.53@	206.59	0.06
2847.00	0.79	26.16	2846.82	90.00	5.31	15.53 S	7.75 W	17.36@	206.53	0.11
2938.00	0.88	25.64	2937.81	91.00	4.92	14.34 S	7.18 W	16.04@	206.58	0.10
3028.00	1.06	26.95	3027.80	90.00	4.45	12.98 S	6.50 W	14.51@	206.60	0.20
3118.00	0.88	29.50	3117.79	90.00	3.95	11.63 S	5.78 W	12.99@	206.43	0.21
3208.00	0.88	33.99	3207.78	90.00	3.41	10.46 S	5.05 W	11.62@	205.80	0.08
3298.00	0.79	38.91	3297.77	90.00	2.80	9.40 S	4.28 W	10.33@	204.47	0.13
3388.00	0.70	62.81	3387.76	90.00	2.05	8.67 S	3.40 W	9.31@	201.42	0.36
3478.00	1.14	83.64	3477.75	90.00	0.74	8.32 S	2.02 W	8.56@	193.66	0.61
3569.00	1.93	96.21	3568.71	91.00	-1.67	8.38 S	0.40 E	8.39@	177.26	0.94
3659.00	2.55	101.13	3658.65	90.00	-5.18	8.93 S	3.87 E	9.74@	156.56	0.72
3749.00	1.49	106.49	3748.59	90.00	-8.34	9.65 S	6.96 E	11.90@	144.21	1.19
3839.00	1.41	112.12	3838.56	90.00	-10.58	10.40 S	9.11 E	13.83@	138.80	0.18
3929.00	0.97	95.60	3928.54	90.00	-12.42	10.89 S	10.89 E	15.40@	135.00	0.61
4019.00	0.35	8.58	4018.54	90.00	-13.18	10.70 S	11.69 E	15.84@	132.45	1.13
4110.00	0.53	45.06	4109.53	91.00	-13.43	10.12 S	12.03 E	15.72@	130.08	0.36
STRAIGHT LINE PROJECTION TO BIT AT 4190' MD										
4190.00	0.62	48.66	4189.53	80.00	-13.92	9.58 S	12.62 E	15.84@	127.20	0.12

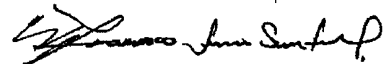
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) STEWART ROBERTSON
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 02/22/10 TO 02/26/10
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NM
RIG: H & P 340

9. SURVEY CERTIFIED FROM: 4282 TO 8619 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE
DISPLACED AT 1508.74 FEET ON A BEARING OF 278.84 DEGREES FROM THE
CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 8690 FEET,
ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



FRANCISCO SINISTERRA
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 02/20/2010
Date Completed: 02/26/2010

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NM
Rig:H&P 340
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:S. ROBERTSON
W. GRAHAM

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.22.56.8000 N LON:103.44.28.4391 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 682783.4000 Y: 503354.0000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.52° EAST TO GRID
Vertical Section Plane: 278.72
Survey Vert. Reference: 16.50' Rotary Table To Ground
Altitude:3539.90' Ground To MSL

Measured Depth	8690.00	(feet)
Inclination	18.38	(deg)
Azimuth	281.29	(deg)
True Vertical Depth	8376.06	(feet)
Vertical Section	1508.74	(feet)
Survey X cord	681292.61	(feet)
Survey Y cord	503585.79	(feet)
Survey Lat	32.38310417 N	(deg)
Survey Lon	103.74605796 W	(deg)
Rectangular Corr. N/S	231.97 N	(feet)
Rectangular Corr. E/W	1490.80 W	(feet)
Closure Distance	1508.74	(feet)
Direction of Closure	278.84	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

Page 01/03
Tie-in Date: 02/20/2010
Date Completed: 02/26/2010

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NM
Rig:H&P 340
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers: S. ROBERTSON
W. GRAHAM

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.22.56.8000 N LON:103.44.28.4391 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 682783.4000 Y: 503354.0000
North Aligned To:GRID NORTH
Total-Magnetic Correction: 7.52° EAST TO GRID
Vertical Section Plane: 278.72
Survey Vert. Reference: 16.50' Rotary Table To Ground
Altitude:3539.90' Ground To MSL

Survey Calculations by RX5 V6.02B using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
ASSUMING STRAIGHT HOLE @ 4100' MD.										
4190.00	0.62	48.66	4189.53	0.00	-13.94	9.58 S	12.63 E	15.85@	127.18	0.00
THE FOLLOWING SURVEYS ARE PATHFINDER MWD SURVEYS.										
4282.00	0.62	53.49	4281.52	92.00	-14.61	8.96 S	13.40 E	16.12@	123.75	0.06
4327.00	0.70	48.21	4326.52	45.00	-14.95	8.63 S	13.80 E	16.28@	122.00	0.22
4372.00	0.70	328.41	4371.52	45.00	-14.95	8.21 S	13.87 E	16.11@	120.63	2.00
4417.00	0.88	312.59	4416.51	45.00	-14.49	7.74 S	13.47 E	15.53@	119.89	0.63
4462.00	1.76	284.90	4461.50	45.00	-13.51	7.33 S	12.54 E	14.53@	120.30	2.36
4507.00	3.17	277.34	4506.46	45.00	-11.58	6.99 S	10.64 E	12.73@	123.31	3.21
4552.00	3.96	277.61	4551.37	45.00	-8.78	6.63 S	7.87 E	10.29@	130.11	1.76
4597.00	4.13	279.81	4596.26	45.00	-5.61	6.15 S	4.73 E	7.76@	142.41	0.51
4643.00	5.28	281.56	4642.10	46.00	-1.84	5.44 S	1.03 E	5.54@	169.32	2.52
4688.00	6.24	276.20	4686.88	45.00	2.67	4.76 S	3.43 W	5.87@	215.80	2.44
4733.00	6.33	273.65	4731.61	45.00	7.59	4.34 S	8.34 W	9.40@	242.52	0.65
4778.00	7.30	273.92	4776.29	45.00	12.91	3.99 S	13.67 W	14.24@	253.74	2.16
4823.00	7.56	273.12	4820.91	45.00	18.70	3.63 S	19.48 W	19.81@	259.44	0.62
4868.00	8.35	276.29	4865.48	45.00	24.91	3.11 S	25.68 W	25.87@	263.09	2.01
4913.00	9.94	280.33	4909.90	45.00	32.06	2.06 S	32.75 W	32.81@	266.41	3.81
4958.00	11.17	278.58	4954.14	45.00	40.30	0.71 S	40.88 W	40.89@	269.01	2.82
5003.00	11.17	276.38	4998.29	45.00	49.02	0.43 N	49.52 W	49.53@	270.49	0.95
5048.00	12.13	276.11	5042.36	45.00	58.09	1.41 N	58.56 W	58.57@	271.38	2.14
5094.00	13.10	277.43	5087.25	46.00	68.13	2.60 N	68.53 W	68.58@	272.17	2.20
5139.00	14.16	277.87	5130.98	45.00	78.74	4.01 N	79.04 W	79.14@	272.91	2.37
5184.00	14.68	276.03	5174.57	45.00	89.94	5.37 N	90.16 W	90.32@	273.41	1.54
5229.00	15.39	274.44	5218.03	45.00	101.59	6.43 N	101.79 W	101.99@	273.61	1.82
5274.00	16.27	275.32	5261.32	45.00	113.83	7.48 N	114.02 W	114.26@	273.75	2.03

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NM
RIG:H&P 340

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5319.00	17.41	277.61	5304.39	45.00	126.86	8.95 N	126.97 W	127.28@	274.03	2.93
5364.00	18.82	278.49	5347.16	45.00	140.85	10.91 N	140.82 W	141.24@	274.43	3.19
5409.00	19.52	277.61	5389.66	45.00	155.62	12.98 N	155.45 W	155.99@	274.77	1.68
5455.00	19.70	276.99	5432.99	46.00	171.06	14.94 N	170.76 W	171.42@	275.00	0.60
5500.00	20.14	276.99	5475.30	45.00	186.38	16.81 N	185.98 W	186.74@	275.16	0.98
5545.00	20.58	277.87	5517.49	45.00	202.03	18.84 N	201.51 W	202.38@	275.34	1.19
5590.00	21.46	277.52	5559.50	45.00	218.17	21.00 N	217.50 W	218.51@	275.51	1.98
5635.00	22.60	278.40	5601.21	45.00	235.05	23.34 N	234.22 W	235.38@	275.69	2.64
5680.00	23.65	277.17	5642.59	45.00	252.72	25.73 N	251.73 W	253.04@	275.84	2.57
5725.00	24.89	276.99	5683.61	45.00	271.21	28.00 N	270.08 W	271.53@	275.92	2.76
5771.00	25.59	277.96	5725.22	46.00	290.82	30.56 N	289.53 W	291.14@	276.02	1.77
5861.00	25.50	277.34	5806.43	90.00	329.62	35.73 N	327.99 W	329.93@	276.22	0.31
5952.00	24.71	276.55	5888.83	91.00	368.21	40.40 N	366.32 W	368.54@	276.29	0.94
6042.00	25.50	278.14	5970.33	90.00	406.38	45.29 N	404.19 W	406.71@	276.39	1.15
6132.00	24.80	278.93	6051.79	90.00	444.63	50.96 N	442.01 W	444.94@	276.58	0.86
6222.00	24.89	279.54	6133.46	90.00	482.44	57.03 N	479.33 W	482.71@	276.78	0.30
6312.00	25.50	279.45	6214.90	90.00	520.75	63.35 N	517.12 W	520.99@	276.98	0.68
6402.00	25.41	279.01	6296.17	90.00	559.43	69.55 N	555.30 W	559.64@	277.14	0.23
6492.00	24.89	279.01	6377.63	90.00	597.68	75.54 N	593.08 W	597.87@	277.26	0.58
6582.00	25.32	281.04	6459.13	90.00	635.85	82.19 N	630.68 W	636.01@	277.43	1.07
6672.00	25.59	280.29	6540.40	90.00	674.51	89.35 N	668.69 W	674.63@	277.61	0.47
6763.00	23.83	279.51	6623.06	91.00	712.54	95.90 N	706.16 W	712.64@	277.73	1.97
6853.00	24.27	279.57	6705.25	90.00	749.21	101.98 N	742.33 W	749.30@	277.82	0.49
6943.00	25.59	280.13	6786.86	90.00	787.14	108.47 N	779.70 W	787.21@	277.92	1.49
7034.00	27.87	280.39	6868.13	91.00	828.05	115.77 N	819.98 W	828.11@	278.04	2.51
7124.00	26.03	280.48	6948.35	90.00	868.82	123.15 N	860.09 W	868.86@	278.15	2.05
7214.00	27.26	279.54	7028.79	90.00	909.17	130.16 N	899.84 W	909.20@	278.23	1.44
7304.00	25.32	279.98	7109.48	90.00	949.02	136.91 N	939.12 W	949.05@	278.29	2.17

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
FEDERAL 23 #16
EDDY COUNTY, NM
RIG:H&P 340

Page 03/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
7394.00	26.64	280.97	7190.38	90.00	988.43	144.09 N	977.89 W	988.44@	278.38	1.54
7485.00	25.94	282.63	7271.97	91.00	1028.67	152.32 N	1017.34 W	1028.68@	278.52	1.12
7575.00	25.94	280.90	7352.91	90.00	1067.98	160.35 N	1055.87 W	1067.98@	278.64	0.84
7665.00	26.73	277.96	7433.57	90.00	1107.89	166.88 N	1095.25 W	1107.89@	278.66	1.69
7755.00	26.29	275.85	7514.11	90.00	1148.04	171.71 N	1135.13 W	1148.04@	278.60	1.15
7845.00	24.71	276.36	7595.34	90.00	1186.74	175.83 N	1173.65 W	1186.75@	278.52	1.77
7936.00	23.74	277.54	7678.32	91.00	1224.06	180.34 N	1210.71 W	1224.07@	278.47	1.19
8026.00	22.42	278.84	7761.12	90.00	1259.34	185.35 N	1245.63 W	1259.35@	278.46	1.57
8116.00	23.74	279.58	7843.91	90.00	1294.62	191.00 N	1280.46 W	1294.63@	278.48	1.50
8206.00	23.65	279.81	7926.32	90.00	1330.78	197.09 N	1316.11 W	1330.79@	278.52	0.14
8297.00	23.65	281.18	8009.68	91.00	1367.26	203.74 N	1352.00 W	1367.27@	278.57	0.60
8387.00	23.13	281.40	8092.29	90.00	1402.96	210.74 N	1387.04 W	1402.96@	278.64	0.59
8477.00	21.37	281.18	8175.58	90.00	1437.00	217.41 N	1420.46 W	1437.00@	278.70	1.96
8567.00	20.49	282.52	8259.64	90.00	1469.10	224.01 N	1451.92 W	1469.10@	278.77	1.11
8619.00	18.38	281.29	8308.68	52.00	1486.37	227.58 N	1468.85 W	1486.37@	278.81	4.13
STRAIGHT-LINE PROJECTION TO BIT @ 8690' MD.										
8690.00	18.38	281.29	8376.06	71.00	1508.74	231.97 N	1490.80 W	1508.74@	278.84	0.00