

Burnett Oil Company

Well: Nosler 12 Fed DB Well No. 4H
 Site: Nosler 12 Fed_
 Project: Eddy County, New Mexico
 Design: rev2

Approx Surf Loc: RKB Elevation: RKB=3980+12 @ 3992.00usft 0
 US State Plane 1927 (Exact solution)
 New Mexico East 3001

Northing 875002.50 Easting 653694.80 Latitude 32.85465089 Longitude -103.83186296

Total Correction (M => G) To convert a Magnetic Direction to a Grid Direction, Add 6.89°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4756.00	0.00	0.00	4756.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 10°/100' build
3	4806.00	5.00	137.45	4806.94	-1.61	1.47	10.00	137.45	1.61	Begin 10°/100' build
4	5305.00	55.00	137.45	5225.34	-179.99	185.22	10.00	0.00	180.87	Begin 10°/100' build
5	5876.03	90.50	89.59	5401.07	-365.51	648.54	10.00	-62.14	676.77	Begin 90.50 lateral section
6	9041.89	90.50	89.59	5373.50	-342.90	3814.30	0.00	0.00	3829.68	PBHL/TD

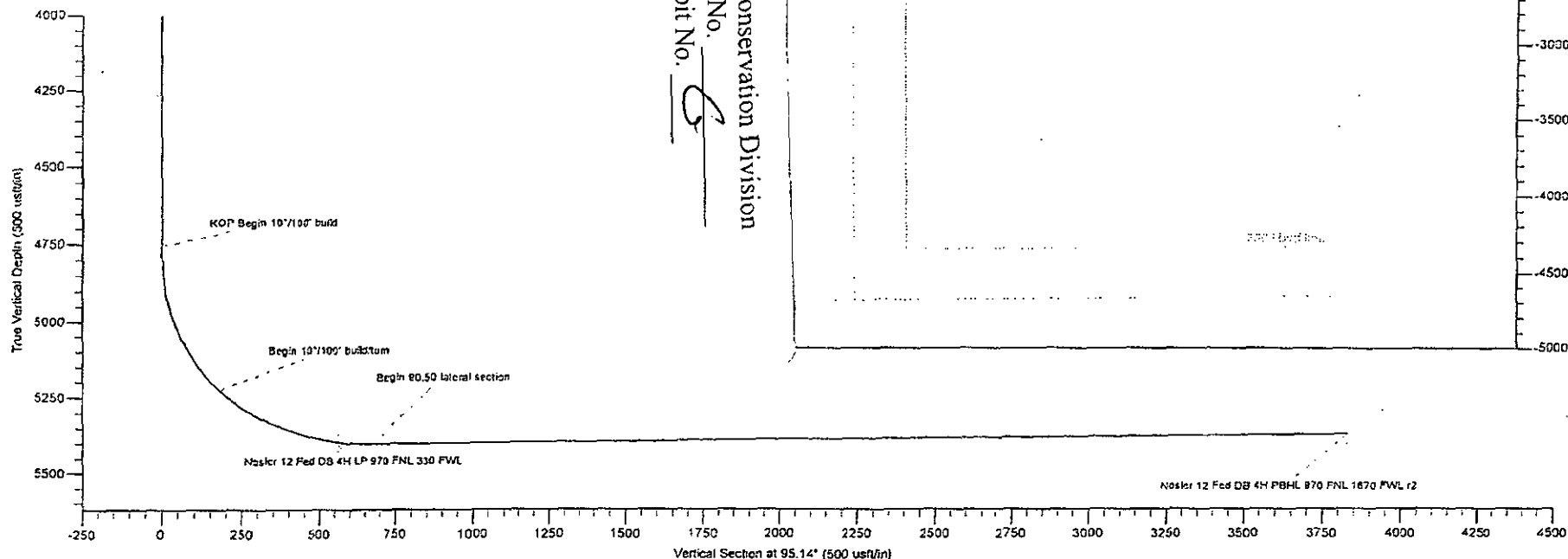
COKER
 DIRECTIONAL



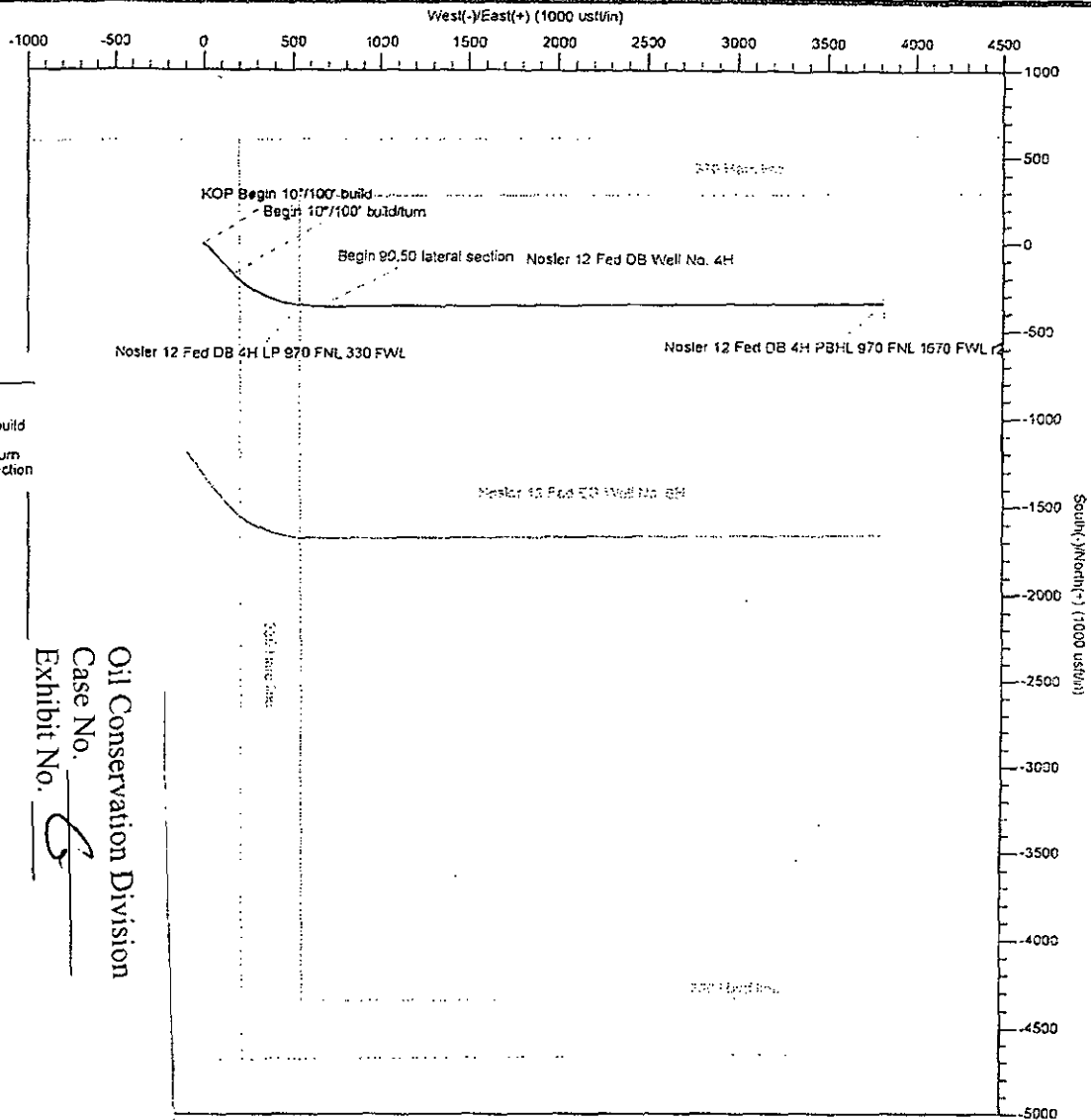
Azimuths to Grid North
 True North: -0.27°
 Magnetic North: 6.59°

Magnetic Field
 Strength: 48567.55nT
 Dip Angle: 60.62°
 Date: 5/26/2015
 Model: IGRF2010

Oil Conservation Division
 Case No. 6
 Exhibit No. 6



8:50, June 22 2015



Standard_report

Company: Burnett Oil Company
 Project: Eddy County, New Mexico
 Site: Nosler 12 Fed_
 Well: Nosler 12 Fed DB Well No. 4H
 Wellbore: Original Hole
 Design: rev2

Local Co-ordinate Reference: Well Nosler 12 Fed DB Well No. 4H
 TVD Reference: RKB=3980+12 @ 3992.00usft ()
 MD Reference: RKB=3980+12 @ 3992.00usft ()
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Dbase Nov0914

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Nosler 12 Fed_		
Site Position:	Northings:	673,802.20 usft	Latitude: 32.85135295
From: Map	Eastings:	653,901.50 usft	Longitude: -103.83218532
Position Uncertainty: 0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.27 °

Well	Nosler 12 Fed DB Well No. 4H, Surf Loc: 600 FNL 200 FEL		
Well Position	+N/-S 0.00 usft	Northings: 675,002.50 usft	Latitude: 32.85466089
	+E/-W 0.00 usft	Eastings: 653,994.80 usft	Longitude: -103.83186296
Position Uncertainty	0.00 usft	Wellhead Elevation: usft	Ground Level: 3,980.00 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	5/26/2015	7.27
			Dip Angle (°)
			60.62
			Field Strength (nT)
			48,567

Design	rev2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			95.14

Survey Tool Program	Date 6/22/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
0.00	9,041.58	rev2 (Original Hole)	MWD
			Description
			MWD - Standard

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Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80

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2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
4,700.00	0.00	0.00	4,700.00	0.00	0.00	-0.00	0.00	675,002.50	653,994.80
4,756.00	0.00	0.00	4,756.00	0.00	0.00	0.00	0.00	675,002.50	653,994.80
KOP Begin 10°/100' build									
4,800.00	4.40	137.45	4,799.96	-1.24	1.14	10.00	1.25	675,001.26	653,995.94
4,806.00	5.00	137.45	4,805.94	-1.61	1.47	10.00	1.61	675,000.89	653,996.27
4,900.00	14.40	137.45	4,898.49	-13.26	12.17	10.00	13.31	674,989.24	654,005.97
5,000.00	24.40	137.45	4,992.69	-37.70	34.61	10.00	37.84	674,964.80	654,029.41

Standard_report

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5,100.00	34.40	137.45	5,079.70	-73.82	67.76	10.00	74.10	674,928.68	654,062.56
5,200.00	44.40	137.45	5,156.88	-120.52	110.63	10.00	120.98	674,881.98	654,105.43
5,300.00	54.40	137.45	5,221.87	-176.38	161.81	10.00	177.05	674,826.12	654,156.71
5,306.00	55.00	137.45	5,225.34	-179.99	165.22	10.00	180.67	674,822.51	654,160.02
Begin 10*/100' build/turn									
5,400.00	59.78	127.83	5,276.07	-233.38	223.45	10.00	243.46	674,769.12	654,218.26
5,500.00	65.55	118.63	5,322.05	-281.81	287.73	10.00	321.76	674,720.69	654,292.53
5,600.00	71.83	110.27	5,358.42	-320.18	382.46	10.00	409.59	674,682.32	654,377.26
5,700.00	78.45	102.51	5,384.08	-347.32	475.08	10.00	504.27	674,655.18	654,469.88
5,800.00	85.26	95.11	5,398.26	-362.40	572.79	10.00	602.93	674,640.10	654,567.59
5,876.03	90.50	89.59	5,401.07	-365.51	648.65	10.00	678.77	674,636.99	654,643.45
Begin 90.50 lateral section									
5,900.00	90.50	89.59	5,400.87	-365.34	672.61	0.00	702.62	674,637.16	654,667.41
6,000.00	90.50	89.59	5,399.99	-364.62	772.61	0.00	802.15	674,637.88	654,767.41
6,100.00	90.50	89.59	5,399.12	-363.91	872.60	0.00	901.68	674,638.59	654,867.40
6,200.00	90.50	89.59	5,398.25	-363.20	972.59	0.00	1,001.21	674,639.30	654,967.39
6,300.00	90.50	89.59	5,397.38	-362.48	1,072.59	0.00	1,100.74	674,640.02	655,067.39
6,400.00	90.50	89.59	5,396.51	-361.77	1,172.58	0.00	1,200.26	674,640.73	655,167.38
6,500.00	90.50	89.59	5,395.64	-361.05	1,272.58	0.00	1,299.79	674,641.45	655,267.38
6,600.00	90.50	89.59	5,394.77	-360.34	1,372.57	0.00	1,399.32	674,642.16	655,367.37
6,700.00	90.50	89.59	5,393.90	-359.62	1,472.56	0.00	1,498.85	674,642.88	655,467.36
6,800.00	90.50	89.59	5,393.03	-358.91	1,572.56	0.00	1,598.38	674,643.59	655,567.36
6,900.00	90.50	89.59	5,392.16	-358.20	1,672.55	0.00	1,697.90	674,644.30	655,667.35
7,000.00	90.50	89.59	5,391.28	-357.48	1,772.54	0.00	1,797.43	674,645.02	655,767.34
7,100.00	90.50	89.59	5,390.41	-356.77	1,872.54	0.00	1,896.96	674,645.73	655,867.34
7,200.00	90.50	89.59	5,389.54	-356.05	1,972.53	0.00	1,996.49	674,646.45	655,967.33
7,300.00	90.50	89.59	5,388.67	-355.34	2,072.52	0.00	2,096.02	674,647.16	656,067.32

Standard_report

Company: Burnett Oil Company
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 Wellbore: Original Hole
 Design: rev2

Local Co-ordinate Reference: Well Nosler 12 Fed DB Well No. 4H
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 Survey Calculation Method: Minimum Curvature
 Database: Dbase Nov09 14

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
7,400.00	90.50	89.59	5,387.80	-354.63	2,172.52	0.00	2,195.54	674,647.87	656,167.32
7,500.00	90.50	89.59	5,386.93	-353.91	2,272.51	0.00	2,295.07	674,648.59	656,267.31
7,600.00	90.50	89.59	5,386.06	-353.20	2,372.51	0.00	2,394.60	674,649.30	656,367.31
7,700.00	90.50	89.59	5,385.19	-352.48	2,472.50	0.00	2,494.13	674,650.02	656,467.30
7,800.00	90.50	89.59	5,384.32	-351.77	2,572.49	0.00	2,593.66	674,650.73	656,567.29
7,900.00	90.50	89.59	5,383.45	-351.05	2,672.49	0.00	2,693.19	674,651.45	656,667.29
8,000.00	90.50	89.59	5,382.57	-350.34	2,772.48	0.00	2,792.71	674,652.16	656,767.28
8,100.00	90.50	89.59	5,381.70	-349.63	2,872.47	0.00	2,892.24	674,652.87	656,867.27
8,200.00	90.50	89.59	5,380.83	-348.91	2,972.47	0.00	2,991.77	674,653.59	656,967.27
8,300.00	90.50	89.59	5,379.96	-348.20	3,072.46	0.00	3,091.30	674,654.30	657,067.26
8,400.00	90.50	89.59	5,379.09	-347.48	3,172.46	0.00	3,190.83	674,655.02	657,167.26
8,500.00	90.50	89.59	5,378.22	-346.77	3,272.45	0.00	3,290.35	674,655.73	657,267.25
8,600.00	90.50	89.59	5,377.35	-346.06	3,372.44	0.00	3,389.88	674,656.44	657,367.24
8,700.00	90.50	89.59	5,376.48	-345.34	3,472.44	0.00	3,489.41	674,657.16	657,467.24
8,800.00	90.50	89.59	5,375.61	-344.63	3,572.43	0.00	3,588.94	674,657.87	657,567.23
8,900.00	90.50	89.59	5,374.74	-343.91	3,672.42	0.00	3,688.47	674,658.59	657,667.22
9,000.00	90.50	89.59	5,373.86	-343.20	3,772.42	0.00	3,787.99	674,659.30	657,767.22
9,041.89	90.50	89.59	5,373.50	-342.90	3,814.30	0.00	3,829.68	674,659.60	657,809.10

PBHL/TD

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 Grid
 Minimum Curvature
 Dbase Nov0914

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,756.00	4,756.00	0.00	0.00	KOP Begin 10"/100' build
5,306.00	5,225.34	-179.99	165.22	Begin 10"/100' build/turn
5,876.03	5,401.07	-365.51	648.65	Begin 90.50 lateral section
9,041.89	5,373.50	-342.90	3,814.30	PBHL/TD