

C-102 AS DRILLED

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. 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 July 16, 2010

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30681	² Pool Code 74200	³ Pool Name Eltanero Pictured Cliffs
⁴ Property Code 2199A	⁵ Property Name San Juan 30-4 Unit	⁶ Well Number 58 H
⁷ OGRID No. 1102928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 7455

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
D	9	30N	4W		1155'	North	645'	West	Rio Arriba

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
D	10	30N	4W		1037'	North	437'	West	Rio Arriba

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

RCVD SEP 3 '10
OIL CONS. DIV.
DIST. 3

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					17 OPERATOR CERTIFICATION				
					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.				
					<u>Stephen Byers</u> 9-1-10 Signature Date				
					<u>Stephen Byers</u> Printed Name				
					<u>sbyers@energen.com</u> E-mail Address				
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 belief.									
<u>August 27, 2008</u> Date of Survey									
Signature and Seal of Professional Surveyor: <u>David R. Russell</u>									
Certificate Number <u>10201</u>									



RCVD SEP 3 '10
OIL CONS. DIV.
DIST. 3

Energen Resources

Rio Arriba County
American Mesa
San Juan 30-4 #58H
OH

Survey: MWD #1

Energen EOW

17 July, 2010

PATHFINDER

Company: Energen Resources
Project: Rio Arriba County
Site: American Mesa
Well: San Juan 30-4 #58H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well San Juan 30-4 #58H
TVD Reference: WELL @ 7468.00ft (Original Well Elev)
MD Reference: WELL @ 7468.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Project	Rio Arriba County
Map System:	US State Plane 1983
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Central Zone
System Datum:	Mean Sea Level

Site	American Mesa				
Site Position:		Northing:	2,123,088.979ft	Latitude:	36° 49' 48.972 N
From:	Lat/Long	Easting:	1,342,742.244ft	Longitude:	107° 16' 1.740 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.61 °

Well	San Juan 30-4 #58H					
Well Position	+N/-S	0.00 ft	Northing:	2,123,088.979 ft	Latitude:	36° 49' 48.972 N
	+E/-W	0.00 ft	Easting:	1,342,742.244 ft	Longitude:	107° 16' 1.740 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	7,455.00 ft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	05/25/2010	9.81	63.67	50,981

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	88.64

Survey Program		Date	07/17/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
939.00	8,508.00	MWD #1 (OH)	MWD	MWD - Standard	

MD	Inc	Azi	TVD	N/S	E/W	DLeg	V. Sec
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
939.00	4.31	88.04	938.11	1.21	35.28	0.46	35.30
962.00	4.57	86.96	961.05	1.29	37.06	1.19	37.08
1,451.00	4.48	100.14	1,448.53	-1.04	75.31	0.21	75.27
1,507.00	3.52	101.24	1,504.40	-1.76	79.15	1.72	79.09
1,538.00	2.46	97.45	1,535.36	-2.04	80.75	3.48	80.67
1,568.00	1.41	77.59	1,565.34	-2.04	81.74	4.10	81.67
1,599.00	0.97	30.99	1,596.33	-1.73	82.25	3.30	82.19
1,630.00	1.14	25.39	1,627.33	-1.23	82.52	0.64	82.47
1,664.00	1.23	25.01	1,661.32	-0.59	82.82	0.27	82.78
1,695.00	1.23	14.33	1,692.31	0.03	83.04	0.74	83.02
1,726.00	0.97	26.00	1,723.31	0.59	83.24	1.10	83.23

Company: Energen Resources
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	V. Sec (ft)
1,756.00	0.97	26.06	1,753.30	1.05	83.46	0.00	83.46
1,787.00	0.44	14.92	1,784.30	1.40	83.61	1.76	83.62
1,818.00	0.18	27.08	1,815.30	1.55	83.66	0.86	83.67
1,863.00	0.18	125.19	1,860.30	1.58	83.75	0.60	83.76
1,908.00	0.18	90.94	1,905.30	1.53	83.88	0.24	83.89
1,953.00	0.35	20.68	1,950.30	1.66	84.00	0.74	84.01
1,998.00	0.26	12.65	1,995.30	1.89	84.07	0.22	84.09
2,043.00	0.26	339.64	2,040.30	2.09	84.06	0.33	84.08
2,088.00	0.26	2.64	2,085.30	2.28	84.03	0.23	84.06
2,133.00	0.26	39.20	2,130.30	2.46	84.09	0.36	84.13
2,178.00	0.18	95.71	2,175.30	2.54	84.23	0.49	84.27
2,223.00	0.18	184.90	2,220.30	2.46	84.29	0.56	84.33
2,269.00	0.18	300.73	2,266.30	2.42	84.23	0.66	84.26
2,314.00	0.09	138.71	2,311.30	2.43	84.19	0.59	84.22
2,358.00	0.53	113.64	2,355.30	2.33	84.40	1.02	84.43
2,404.00	1.14	109.40	2,401.29	2.09	85.02	1.33	85.05
2,449.00	1.91	105.58	2,446.27	1.74	86.17	1.73	86.19
2,494.00	2.81	108.91	2,491.24	1.18	87.93	2.02	87.94
2,539.00	3.25	87.03	2,536.17	0.89	90.25	2.73	90.25
2,584.00	3.87	76.46	2,581.09	1.31	93.00	2.00	93.01
2,629.00	4.92	74.77	2,625.95	2.17	96.34	2.35	96.37
2,674.00	6.42	76.20	2,670.73	3.28	100.65	3.35	100.70
2,719.00	7.56	80.01	2,715.40	4.39	106.00	2.73	106.08
2,764.00	8.53	82.50	2,759.95	5.34	112.23	2.29	112.32
2,809.00	9.58	83.26	2,804.39	6.22	119.26	2.35	119.37
2,854.00	10.82	85.42	2,848.68	6.99	127.19	2.88	127.32
2,899.00	12.31	87.57	2,892.77	7.54	136.19	3.45	136.33
2,944.00	13.54	90.27	2,936.63	7.71	146.25	3.04	146.39
2,989.00	15.30	92.25	2,980.21	7.46	157.45	4.06	157.58
3,034.00	17.59	92.91	3,023.36	6.88	170.18	5.11	170.29
3,079.00	19.17	91.58	3,066.07	6.33	184.35	3.63	184.45
3,124.00	20.75	90.59	3,108.36	6.04	199.71	3.59	199.80
3,170.00	22.16	89.62	3,151.17	6.02	216.54	3.16	216.62
3,215.00	23.13	87.67	3,192.70	6.43	233.85	2.73	233.94
3,260.00	25.76	87.26	3,233.67	7.26	252.46	5.86	252.56
3,305.00	27.08	87.46	3,273.97	8.18	272.46	2.94	272.57
3,350.00	27.96	87.91	3,313.87	9.02	293.23	2.01	293.36
3,394.00	29.02	88.75	3,352.55	9.63	314.21	2.58	314.35
3,440.00	30.60	90.55	3,392.46	9.76	337.08	3.95	337.21
3,485.00	32.36	91.05	3,430.83	9.43	360.57	3.95	360.69
3,530.00	33.06	90.58	3,468.70	9.08	384.89	1.65	384.99
3,575.00	34.12	89.76	3,506.18	9.01	409.78	2.56	409.88
3,620.00	35.61	89.33	3,543.10	9.22	435.50	3.36	435.60
3,665.00	36.40	89.40	3,579.51	9.51	461.96	1.76	462.05

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Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	V. Sec (ft)
3,710.00	37.90	89.41	3,615.37	9.79	489.13	3.33	489.22
3,755.00	40.54	89.42	3,650.23	10.08	517.58	5.87	517.67
3,800.00	42.38	88.98	3,683.96	10.50	547.37	4.14	547.46
3,845.00	44.67	88.24	3,716.58	11.26	578.35	5.21	578.45
3,890.00	45.90	87.59	3,748.24	12.42	610.30	2.92	610.43
3,935.00	47.31	86.88	3,779.16	14.00	642.96	3.34	643.11
3,980.00	48.54	86.55	3,809.31	15.92	676.31	2.79	676.49
4,025.00	49.86	86.39	3,838.72	18.02	710.31	2.95	710.53
4,070.00	50.83	86.37	3,867.43	20.20	744.88	2.16	745.15
4,115.00	52.76	86.53	3,895.26	22.39	780.17	4.30	780.49
4,160.00	54.78	86.44	3,921.86	24.62	816.40	4.49	816.76
4,199.00	54.96	86.17	3,944.30	26.67	848.23	0.73	848.63
4,240.00	56.28	86.32	3,967.45	28.89	882.00	3.23	882.44
4,270.00	57.16	86.09	3,983.91	30.55	907.02	3.00	907.49
4,301.00	57.86	86.10	4,000.56	32.33	933.11	2.26	933.61
4,332.00	58.83	86.40	4,016.83	34.05	959.44	3.24	959.98
4,362.00	59.71	86.90	4,032.16	35.56	985.18	3.26	985.75
4,393.00	60.94	88.20	4,047.51	36.71	1,012.09	5.39	1,012.68
4,424.00	61.47	88.89	4,062.44	37.40	1,039.25	2.59	1,039.84
4,455.00	61.91	89.67	4,077.14	37.74	1,066.54	2.63	1,067.14
4,485.00	62.43	90.08	4,091.15	37.80	1,093.07	2.11	1,093.66
4,516.00	63.22	89.57	4,105.31	37.89	1,120.65	2.94	1,121.23
4,561.00	64.81	89.72	4,125.02	38.14	1,161.10	3.55	1,161.67
4,606.00	66.30	90.19	4,143.64	38.17	1,202.06	3.44	1,202.63
4,651.00	66.92	90.49	4,161.51	37.92	1,243.36	1.51	1,243.91
4,696.00	68.15	90.66	4,178.70	37.50	1,284.94	2.76	1,285.47
4,742.00	69.56	89.94	4,195.30	37.28	1,327.84	3.40	1,328.36
4,787.00	71.31	89.84	4,210.37	37.36	1,370.24	3.89	1,370.75
4,832.00	72.02	89.73	4,224.52	37.52	1,412.96	1.59	1,413.45
4,877.00	73.07	89.26	4,238.02	37.90	1,455.89	2.54	1,456.37
4,922.00	75.01	87.56	4,250.39	39.10	1,499.13	5.64	1,499.64
4,967.00	77.38	86.65	4,261.13	41.31	1,542.77	5.62	1,543.32
5,012.00	79.49	86.84	4,270.15	43.82	1,586.78	4.71	1,587.38
5,057.00	82.04	87.40	4,277.37	46.05	1,631.14	5.80	1,631.77
5,102.00	84.24	87.56	4,282.75	48.01	1,675.77	4.90	1,676.44
5,147.00	85.38	87.80	4,286.82	49.82	1,720.55	2.59	1,721.25
5,192.00	85.56	89.24	4,290.37	50.98	1,765.39	3.21	1,766.11
5,237.00	85.82	89.68	4,293.75	51.41	1,810.26	1.13	1,810.97
5,282.00	86.35	89.94	4,296.83	51.56	1,855.16	1.31	1,855.86
5,327.00	87.32	90.02	4,299.31	51.57	1,900.09	2.16	1,900.78
5,372.00	88.11	89.81	4,301.11	51.64	1,945.05	1.82	1,945.73
5,418.00	89.43	89.93	4,302.09	51.74	1,991.04	2.88	1,991.71
5,463.00	88.29	89.72	4,302.99	51.88	2,036.03	2.58	2,036.69
5,508.00	86.79	89.66	4,304.92	52.12	2,080.99	3.34	2,081.64

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Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	V. Sec (ft)
5,606.00	85.30	90.31	4,311.68	52.15	2,178.75	1.66	2,179.38
5,637.00	84.33	90.33	4,314.48	51.98	2,209.62	3.13	2,210.24
5,669.00	85.21	90.03	4,317.40	51.88	2,241.49	2.90	2,242.09
5,701.00	86.35	89.40	4,319.75	52.04	2,273.40	4.07	2,274.00
5,732.00	88.29	88.76	4,321.20	52.53	2,304.36	6.59	2,304.96
5,764.00	90.48	88.34	4,321.55	53.34	2,336.35	6.97	2,336.96
5,795.00	91.80	88.11	4,320.93	54.30	2,367.33	4.32	2,367.95
5,825.00	92.42	87.86	4,319.82	55.36	2,397.29	2.23	2,397.93
5,856.00	91.98	87.55	4,318.63	56.60	2,428.24	1.74	2,428.90
5,887.00	91.89	87.77	4,317.59	57.86	2,459.20	0.77	2,459.88
5,918.00	92.15	87.57	4,316.49	59.12	2,490.15	1.06	2,490.85
5,948.00	91.98	86.66	4,315.41	60.63	2,520.09	3.08	2,520.82
5,977.00	92.15	86.82	4,314.37	62.28	2,549.03	0.80	2,549.79
6,008.00	92.33	86.96	4,313.16	63.96	2,579.96	0.74	2,580.75
6,039.00	91.98	86.90	4,311.99	65.62	2,610.89	1.15	2,611.71
6,069.00	91.80	86.86	4,311.00	67.25	2,640.83	0.61	2,641.68
6,100.00	91.19	87.01	4,310.19	68.91	2,671.78	2.03	2,672.66
6,130.00	90.84	86.66	4,309.66	70.56	2,701.73	1.65	2,702.64
6,165.00	90.48	85.75	4,309.26	72.88	2,736.65	2.80	2,737.61
6,195.00	89.60	86.35	4,309.24	74.95	2,766.57	3.55	2,767.57
6,225.00	89.34	87.53	4,309.51	76.55	2,796.53	4.03	2,797.56
6,256.00	89.16	87.84	4,309.92	77.80	2,827.50	1.16	2,828.55
6,285.00	88.72	87.54	4,310.46	78.97	2,856.47	1.84	2,857.54
6,315.00	89.08	88.37	4,311.03	80.04	2,886.45	3.02	2,887.54
6,346.00	88.72	88.18	4,311.63	80.97	2,917.43	1.31	2,918.53
6,377.00	89.52	88.21	4,312.10	81.95	2,948.41	2.58	2,949.52
6,407.00	89.34	88.05	4,312.40	82.93	2,978.39	0.80	2,979.52
6,438.00	88.99	87.97	4,312.85	84.00	3,009.37	1.16	3,010.52
6,468.00	89.60	88.47	4,313.22	84.93	3,039.35	2.63	3,040.51
6,499.00	89.87	89.15	4,313.37	85.58	3,070.35	2.36	3,071.51
6,530.00	90.40	89.89	4,313.29	85.84	3,101.34	2.94	3,102.51
6,560.00	90.04	90.33	4,313.18	85.78	3,131.34	1.90	3,132.50
6,591.00	90.04	90.71	4,313.16	85.50	3,162.34	1.23	3,163.48
6,620.00	90.48	91.58	4,313.03	84.92	3,191.34	3.36	3,192.45
6,651.00	90.13	92.24	4,312.86	83.89	3,222.32	2.41	3,223.40
6,681.00	89.69	92.39	4,312.91	82.67	3,252.29	1.55	3,253.34
6,712.00	89.16	92.05	4,313.22	81.47	3,283.27	2.03	3,284.28
6,743.00	89.34	91.46	4,313.62	80.52	3,314.25	1.99	3,315.23
6,773.00	88.90	91.50	4,314.09	79.75	3,344.24	1.47	3,345.19
6,803.00	88.55	91.53	4,314.75	78.96	3,374.22	1.17	3,375.14
6,834.00	89.08	91.02	4,315.39	78.27	3,405.21	2.37	3,406.10
6,864.00	88.90	91.24	4,315.92	77.68	3,435.19	0.95	3,436.07
6,895.00	89.60	90.51	4,316.33	77.20	3,466.19	3.26	3,467.04
6,925.00	89.52	90.96	4,316.56	76.82	3,496.18	1.52	3,497.02
6,956.00	89.34	90.96	4,316.87	76.30	3,527.18	0.58	3,528.00

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6,986.00	88.90	91.36	4,317.33	75.69	3,557.17	1.98	3,557.96
7,016.00	89.69	91.27	4,317.70	75.00	3,587.16	2.65	3,587.93
7,047.00	89.52	90.49	4,317.91	74.53	3,618.15	2.58	3,618.90
7,078.00	89.78	89.54	4,318.10	74.52	3,649.15	3.18	3,649.89
7,109.00	90.75	88.09	4,317.96	75.16	3,680.14	5.63	3,680.89
7,140.00	91.89	87.68	4,317.24	76.30	3,711.11	3.91	3,711.88
7,169.00	92.07	87.89	4,316.24	77.42	3,740.08	0.95	3,740.86
7,200.00	91.80	88.07	4,315.19	78.52	3,771.04	1.05	3,771.84
7,230.00	91.28	88.85	4,314.39	79.32	3,801.02	3.12	3,801.83
7,260.00	90.92	88.87	4,313.81	79.92	3,831.01	1.20	3,831.82
7,291.00	90.92	89.55	4,313.31	80.35	3,862.00	2.19	3,862.82
7,322.00	90.48	89.05	4,312.94	80.72	3,892.99	2.15	3,893.81
7,352.00	89.96	88.35	4,312.82	81.40	3,922.99	2.91	3,923.81
7,381.00	89.69	88.49	4,312.91	82.20	3,951.97	1.05	3,952.81
7,412.00	89.25	88.33	4,313.20	83.06	3,982.96	1.51	3,983.81
7,441.00	88.90	88.70	4,313.66	83.82	4,011.95	1.76	4,012.81
7,472.00	88.55	89.03	4,314.35	84.43	4,042.93	1.55	4,043.80
7,502.00	88.02	89.06	4,315.25	84.93	4,072.92	1.77	4,073.78
7,531.00	87.93	88.76	4,316.28	85.48	4,101.89	1.08	4,102.77
7,562.00	87.67	88.71	4,317.47	86.16	4,132.86	0.85	4,133.74
7,592.00	87.67	88.18	4,318.69	86.98	4,162.83	1.77	4,163.72
7,623.00	87.85	86.92	4,319.90	88.30	4,193.77	4.10	4,194.69
7,654.00	88.72	86.47	4,320.83	90.09	4,224.71	3.16	4,225.66
7,685.00	88.72	86.06	4,321.52	92.11	4,255.63	1.32	4,256.62
7,716.00	88.55	86.31	4,322.26	94.17	4,286.56	0.98	4,287.58
7,746.00	89.34	85.66	4,322.81	96.27	4,316.48	3.41	4,317.55
7,777.00	88.99	85.57	4,323.26	98.64	4,347.38	1.17	4,348.50
7,807.00	88.72	86.09	4,323.86	100.82	4,377.30	1.95	4,378.46
7,838.00	88.55	86.29	4,324.60	102.88	4,408.22	0.85	4,409.42
7,869.00	89.43	86.73	4,325.14	104.77	4,439.16	3.17	4,440.39
7,900.00	89.96	86.53	4,325.31	106.59	4,470.10	1.83	4,471.37
7,930.00	89.87	87.08	4,325.35	108.26	4,500.06	1.86	4,501.36
7,982.00	89.43	87.43	4,325.67	110.75	4,552.00	1.08	4,553.34
8,013.00	89.60	87.68	4,325.93	112.07	4,582.97	0.98	4,584.34
8,043.00	89.78	87.31	4,326.10	113.38	4,612.94	1.37	4,614.33
8,074.00	90.40	87.95	4,326.05	114.67	4,643.91	2.87	4,645.32
8,105.00	90.22	88.56	4,325.88	115.61	4,674.90	2.05	4,676.32
8,137.00	90.13	88.76	4,325.78	116.36	4,706.89	0.69	4,708.32
8,168.00	89.78	88.66	4,325.81	117.06	4,737.88	1.17	4,739.32
8,200.00	89.52	88.86	4,326.00	117.75	4,769.87	1.03	4,771.32
8,232.00	89.34	89.26	4,326.32	118.27	4,801.86	1.37	4,803.32
8,264.00	90.04	90.05	4,326.49	118.47	4,833.86	3.30	4,835.31
8,293.00	90.00	89.66	4,326.48	118.54	4,862.86	1.35	4,864.31
8,323.00	90.47	89.75	4,326.36	118.69	4,892.86	1.60	4,894.30

Company: Energen Resources
Project: Rio Arriba County
Site: American Mesa
Well: San Juan 30-4 #58H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well San Juan 30-4 #58H
TVD Reference: WELL @ 7468.00ft (Original Well Elev)
MD Reference: WELL @ 7468.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	V. Sec (ft)
8,355.00	90.60	89.87	4,326.06	118.80	4,924.86	0.55	4,926.29
8,386.00	90.81	90.01	4,325.68	118.83	4,955.86	0.81	4,957.28
8,417.00	91.14	90.10	4,325.15	118.80	4,986.85	1.10	4,988.27
8,448.00	91.61	90.20	4,324.41	118.72	5,017.84	1.55	5,019.25
8,508.00	91.61	90.20	4,322.72	118.51	5,077.82	0.00	5,079.20

BHL-8508.00'MD,91.61°INC,90.20°AZI, 4322.72'TVD, 5079.20'VS, 118.51'N, 5077.82'E

Targets
Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
PBHL(SJ30-4#58)	0.00	0.00	4,313.00	155.00	6,519.70	2,123,174.581	1,349,263.225	36° 49' 50.497 N	107° 14' 41.546 W
- survey misses target center by 1442.37ft at 8508.00ft MD (4322.72 TVD, 118.51 N, 5077.82 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,508.00	4,322.72	118.51	5,077.82	BHL-8508.00'MD,91.61°INC,90.20°AZI, 4322.72'TVD, 5079.20'VS, 118

Checked By: _____ Approved By: _____ Date: _____