

PathFinder Energy Services

BHL Report

Page 1
Job No: JWT-04100144
Date: 11/18/2004
Time: 12:58 pm
Wellpath ID: arco-3
Date Created: 11/2/2004
Last Revision: 11/15/2004

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 353.82 deg.

Survey Reference: WELLHEAD
Reference World Coordinates: Lat. 33.40.53 N - Lon. 101.15.30 W
Reference GRID System: LAMBERT Zone: Texas N Central
Reference GRID Coordinates: 856938.90 X 753444.80 Y
North Aligned to: GRID NORTH
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

PLATINUM EXPLORATION
SOUTH KNOWLES
PATTERSON # 59
ARCO-A COM. 3-H
ARCO - 3 H

SUR: N-18-17s-39e, 600/S & 2040/W
BHL: K-18-17s-39e, 1992/S & 1893/W
API # 30-025-33842

Measured Depth	13386.00	(ft)
Inclination	85.65	(deg)
Azimuth	354.27	(deg)
True Vertical Depth	12088.17	(ft)
Vertical Section	1400.25	(ft)
Grid Coordinates		
X	856780.60	(ft)
Y	754836.09	(ft)
Rectangular Offsets		
North/South	1391.29 N	(ft)
East/West	158.30 W	(ft)
Closure Dist & Dir	1400.27@353.51	(deg)
Dogleg Severity	0.00	(deg/100ft)
Build Rate	0.00	(deg/100ft)
Walk Rate	0.00	(deg/100ft)



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Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

PLATINUM EXPLORATION
SOUTH KNOWLES
PATTERSON # 59
ARCO-A COM. 3-H
ARCO - 3 H

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Vertical Section (ft)	TVD (ft)	T O T A L Rectangular Offsets (ft)		Build Rate (dg/100ft)	DLS (dg/100ft)	Walk Rate (dg/100ft)
12067.00	3.47	309.04	174.47	12062.07	168.80 N	61.81W	0.00	0.00	0.00
SURVEY AT WHIPSTOCK									
12096.00	3.47	352.00	175.97	12091.02	170.22 N	62.61W	0.00	8.76	148.14
ZI BAD									
12112.00	8.71	352.00	177.67	12106.93	171.90 N	62.85W	32.75	32.75	0.00
12123.00	14.51	347.77	179.87	12117.70	174.08 N	63.26W	52.73	53.26	-38.45
12154.00	32.45	349.44	192.13	12146.01	186.15 N	65.62W	57.87	57.91	5.39
12186.00	50.56	352.08	213.22	12169.88	207.00 N	68.93W	56.59	56.85	8.25
12218.00	70.35	355.50	240.91	12185.59	234.54 N	71.84W	61.84	62.53	10.69
12249.00	89.69	357.70	271.26	12190.93	264.87 N	73.63W	62.39	62.77	7.10
12281.00	95.23	359.72	303.10	12189.56	296.82 N	74.35W	17.31	18.42	6.31
12312.00	96.20	359.37	333.79	12186.47	327.67 N	74.59W	3.13	3.32	-1.13
12343.00	96.81	358.93	364.46	12182.96	358.46 N	75.05W	1.97	2.42	-1.42
12375.00	97.78	358.32	396.09	12178.90	390.19 N	75.81W	3.03	3.57	-1.91
12406.00	97.96	358.93	426.69	12174.65	420.89 N	76.55W	0.58	2.03	1.97
12469.00	98.22	356.82	488.90	12165.79	483.22 N	78.86W	0.41	3.34	-3.35
12531.00	98.84	356.73	550.13	12156.59	544.44 N	82.31W	1.00	1.01	-0.15
12593.00	99.98	354.89	611.26	12146.45	605.43 N	86.78W	1.84	3.46	-2.97
12657.00	97.69	354.01	674.49	12136.62	668.37 N	92.89W	-3.58	3.83	-1.38
12719.00	97.52	353.92	735.94	12128.42	729.49 N	99.36W	-0.27	0.31	-0.15
12781.00	96.55	354.98	797.47	12120.82	790.73 N	105.31W	-1.56	2.31	1.71
12844.00	96.38	355.15	860.06	12113.73	853.10 N	110.69W	-0.27	0.38	0.27
12907.00	95.85	355.06	922.68	12107.02	915.51 N	116.04W	-0.84	0.85	-0.14
12970.00	96.11	354.98	985.33	12100.46	977.93 N	121.47W	0.41	0.43	-0.13
13033.00	95.94	355.50	1047.96	12093.84	1040.37 N	126.67W	-0.27	0.86	0.83
13097.00	94.62	355.50	1111.66	12087.95	1103.90 N	131.67W	-2.06	2.06	0.00

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Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Vertical Section (ft)	TVD (ft)	T O T A L Rectangular Offsets (ft)		Build Rate (dg/100ft)	DLS (dg/100ft)	Walk Rate (dg/100ft)
13159.00	92.86	354.71	1173.51	12083.91	1165.54 N	136.95W	-2.84	3.11	-1.27
13222.00	90.92	354.62	1236.46	12081.83	1228.23 N	142.81W	-3.08	3.08	-0.14
13284.00	88.64	354.89	1298.45	12082.07	1289.96 N	148.47W	-3.68	3.70	0.44
13347.00	85.65	354.27	1361.36	12085.21	1352.60 N	154.42W	-4.75	4.85	-0.98
PROJECTION TO BIT									
13386.00	85.65	354.27	1400.25	12088.17	1391.29 N	158.30W	0.00	0.00	0.00