



Samson Resources Company

La Plata County, C.O.

SEC 11-T32N-R7W

Indian Mesa 32-7-11 #1

Lateral #1

Design: As Drilled

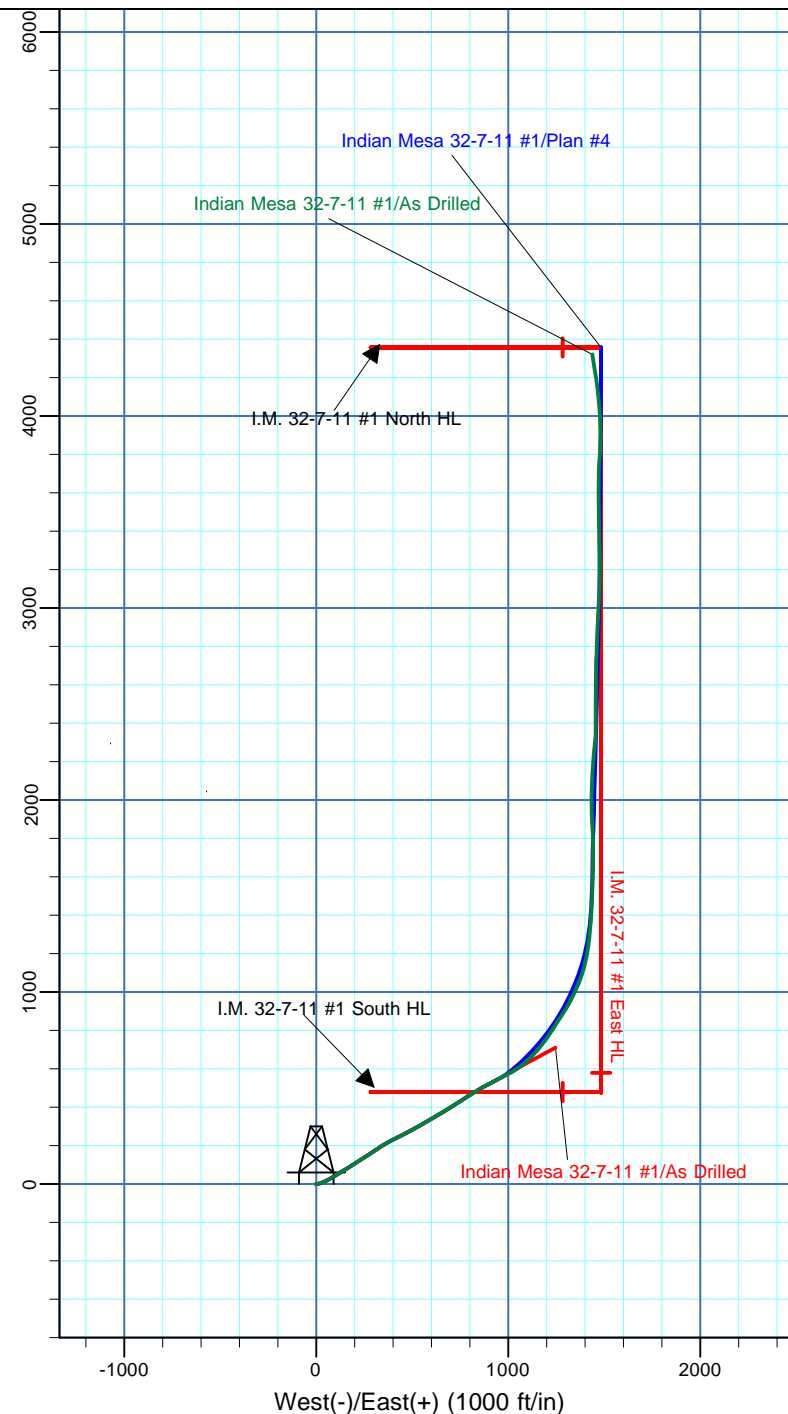
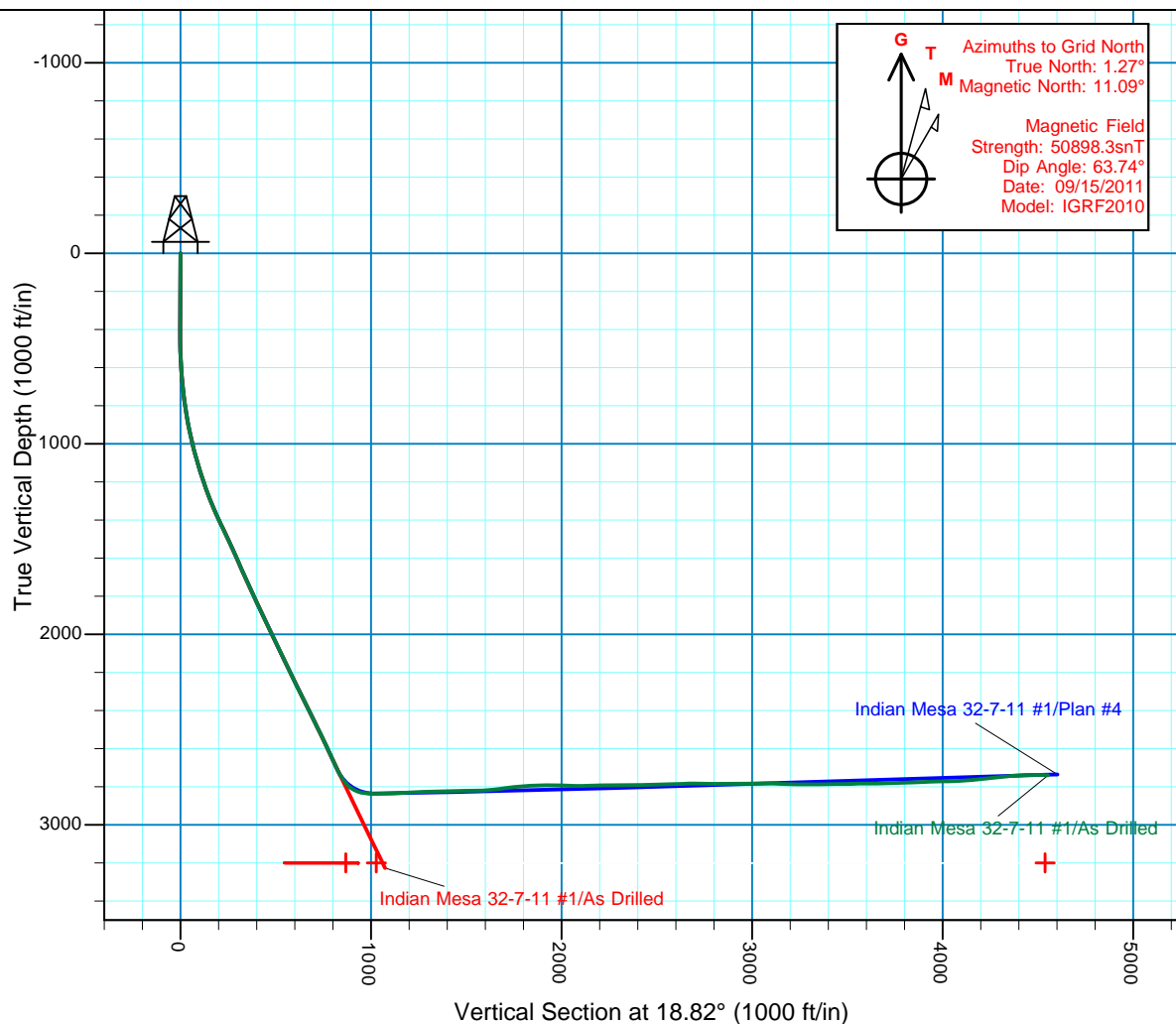
Standard Survey Report

16 January, 2012



WELL DETAILS: Indian Mesa 32-7-11 #1
AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Ground Level: 6306.4
Northing 1137161.83 Easting 2393949.37 Latitude 37° 1' 29.496 N Longitude 107° 34' 33.744 W

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well Indian Mesa 32-7-11 #1, Grid North
Vertical (TVD) Reference: AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Calculation Method: Minimum Curvature



Company:	Samson Resources Company	Local Co-ordinate Reference:	Well Indian Mesa 32-7-11 #1
Project:	La Plata County, C.O.	TVD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Site:	SEC 11-T32N-R7W	MD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Well:	Indian Mesa 32-7-11 #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 5000.1 Single User Db

Project	La Plata County, C.O.		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		Using geodetic scale factor

Site	SEC 11-T32N-R7W		
Site Position:		Northing:	1,137,161.82 usft
From:	Lat/Long	Easting:	2,393,949.37 usft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8 "
		Latitude:	37° 1' 29.496 N
		Longitude:	107° 34' 33.744 W
		Grid Convergence:	-1.27 °

Well	Indian Mesa 32-7-11 #1, FC Slant Well		
Well Position	+N-S	0.0 ft	Northing: 1,137,161.82 usft
	+E-W	0.0 ft	Easting: 2,393,949.37 usft
Position Uncertainty		3.5 ft	Wellhead Elevation: ft
			Latitude: 37° 1' 29.496 N
			Longitude: 107° 34' 33.744 W
			Ground Level: 6,306.4 ft

Wellbore	Lateral #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/15/11	9.82	63.74	50,898

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	3,006.5
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)	
	0.0	0.0	0.0	18.82	

Survey Program	Date	01/16/12			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
393.0	3,006.5	SDI MWD (Pilot Hole)	MWD SDI	MWD - Standard ver 1.0.1	
3,030.0	7,001.0	SDI MWD (Lateral #1)	MWD SDI	MWD - Standard ver 1.0.1	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
393.0	0.17	247.87	393.0	-0.2	-0.5	-0.4	0.04	0.04	0.00
424.0	0.18	240.93	424.0	-0.3	-0.6	-0.4	0.08	0.03	-22.39
454.0	0.93	92.97	454.0	-0.3	-0.4	-0.4	3.62	2.50	-493.20
484.0	2.16	82.58	484.0	-0.2	0.4	-0.1	4.19	4.10	-34.63
514.0	3.56	82.51	513.9	0.0	1.9	0.6	4.67	4.67	-0.23
546.0	4.57	79.09	545.9	0.3	4.1	1.6	3.24	3.16	-10.69
577.0	6.05	75.89	576.7	1.0	6.9	3.1	4.87	4.77	-10.32
606.0	7.09	77.44	605.5	1.7	10.1	4.9	3.64	3.59	5.34
637.0	7.81	78.34	636.3	2.6	14.1	7.0	2.35	2.32	2.90

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Site:	SEC 11-T32N-R7W	MD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Well:	Indian Mesa 32-7-11 #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
668.0	8.67	76.85	667.0	3.5	18.4	9.3	2.86	2.77	-4.81
699.0	9.44	72.27	697.6	4.8	23.1	12.0	3.40	2.48	-14.77
729.0	9.93	69.70	727.1	6.5	27.9	15.1	2.18	1.63	-8.57
759.0	10.90	68.98	756.7	8.4	32.9	18.6	3.26	3.23	-2.40
789.0	11.63	67.36	786.1	10.6	38.4	22.4	2.65	2.43	-5.40
819.0	12.34	64.62	815.4	13.1	44.1	26.6	3.03	2.37	-9.13
851.0	13.17	62.11	846.6	16.3	50.4	31.7	3.12	2.59	-7.84
882.0	14.23	61.99	876.7	19.7	56.9	37.0	3.42	3.42	-0.39
945.0	16.18	60.05	937.5	27.7	71.3	49.3	3.20	3.10	-3.08
1,007.0	17.51	60.61	996.9	36.6	86.9	62.7	2.16	2.15	0.90
1,071.0	19.50	58.42	1,057.6	47.0	104.4	78.1	3.29	3.11	-3.42
1,133.0	21.60	57.22	1,115.6	58.6	122.8	95.0	3.45	3.39	-1.94
1,196.0	23.23	59.50	1,173.9	71.1	143.3	113.6	2.93	2.59	3.62
1,259.0	24.44	59.47	1,231.5	84.1	165.2	132.9	1.92	1.92	-0.05
1,322.0	26.21	57.30	1,288.4	98.2	188.1	153.6	3.17	2.81	-3.44
1,385.0	28.49	57.07	1,344.4	113.9	212.5	176.3	3.62	3.62	-0.37
1,447.0	31.42	57.19	1,398.1	130.7	238.5	200.6	4.73	4.73	0.19
1,509.0	31.79	56.94	1,450.9	148.4	265.7	226.1	0.63	0.60	-0.40
1,572.0	30.89	56.54	1,504.7	166.3	293.1	252.0	1.47	-1.43	-0.63
1,634.0	29.63	56.52	1,558.3	183.6	319.2	276.7	2.03	-2.03	-0.03
1,696.0	29.67	57.79	1,612.1	200.2	345.0	300.8	1.02	0.06	2.05
1,759.0	30.26	59.81	1,666.7	216.5	371.9	324.9	1.86	0.94	3.21
1,822.0	31.53	63.89	1,720.8	231.7	400.4	348.5	3.89	2.02	6.48
1,884.0	33.79	63.58	1,773.0	246.5	430.4	372.2	3.66	3.65	-0.50
1,947.0	33.78	61.69	1,825.3	262.6	461.5	397.5	1.67	-0.02	-3.00
2,010.0	32.78	63.00	1,878.0	278.7	492.1	422.5	1.95	-1.59	2.08
2,073.0	31.99	60.87	1,931.2	294.5	521.9	447.2	2.20	-1.25	-3.38
2,136.0	33.14	59.46	1,984.3	311.4	551.3	472.6	2.19	1.83	-2.24
2,199.0	32.55	59.65	2,037.2	328.7	580.8	498.5	0.95	-0.94	0.30
2,261.0	32.54	60.29	2,089.5	345.4	609.6	523.6	0.56	-0.02	1.03
2,324.0	32.26	60.24	2,142.7	362.2	638.9	548.9	0.45	-0.44	-0.08
2,388.0	31.53	58.55	2,197.0	379.4	668.1	574.6	1.80	-1.14	-2.64
2,451.0	31.74	57.41	2,250.7	396.9	696.1	600.2	1.01	0.33	-1.81
2,513.0	33.41	56.78	2,302.9	415.0	724.1	626.4	2.75	2.69	-1.02
2,577.0	32.79	57.50	2,356.5	434.0	753.4	653.9	1.15	-0.97	1.13
2,639.0	32.05	57.53	2,408.9	451.8	781.5	679.8	1.19	-1.19	0.05
2,702.0	31.94	58.01	2,462.3	469.6	809.7	705.8	0.44	-0.17	0.76
2,766.0	33.13	59.56	2,516.3	487.5	839.2	732.1	2.27	1.86	2.42
2,829.0	33.27	61.60	2,569.0	504.4	869.2	757.9	1.79	0.22	3.24
2,893.0	31.59	62.35	2,623.0	520.6	899.5	782.9	2.70	-2.63	1.17
2,956.0	32.16	61.69	2,676.5	536.2	928.9	807.2	1.06	0.90	-1.05
3,006.5	34.53	61.96	2,718.7	549.3	953.3	827.4	4.70	4.69	0.54
3,030.0	38.93	61.00	2,737.5	556.0	965.7	837.8	18.88	18.72	-4.10

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Well:	Indian Mesa 32-7-11 #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,062.0	44.04	58.22	2,761.5	566.7	984.0	853.8	16.97	15.97	-8.69	
3,094.0	49.90	68.86	2,783.3	577.0	1,004.9	870.3	30.39	18.31	33.25	
3,125.0	57.61	58.26	2,801.7	588.2	1,027.1	888.1	37.09	24.87	-34.19	
3,157.0	65.90	54.25	2,816.8	603.9	1,050.5	910.5	28.15	25.91	-12.53	
3,180.0	72.03	52.99	2,825.1	616.6	1,067.8	928.1	27.14	26.65	-5.48	
3,210.0	81.09	49.23	2,832.0	634.9	1,090.5	952.8	32.56	30.20	-12.53	
3,240.0	84.68	45.72	2,835.7	655.0	1,112.4	978.9	16.67	11.97	-11.70	
3,270.0	87.24	43.21	2,837.9	676.4	1,133.4	1,005.9	11.94	8.53	-8.37	
3,300.0	91.34	41.32	2,838.2	698.6	1,153.5	1,033.4	15.05	13.67	-6.30	
3,329.0	92.15	39.00	2,837.3	720.7	1,172.2	1,060.4	8.47	2.79	-8.00	
3,359.0	92.09	35.99	2,836.2	744.5	1,190.5	1,088.8	10.03	-0.20	-10.03	
3,389.0	91.24	33.75	2,835.4	769.1	1,207.6	1,117.6	7.98	-2.83	-7.47	
3,419.0	93.03	32.72	2,834.2	794.2	1,224.0	1,146.6	6.88	5.97	-3.43	
3,449.0	94.44	32.96	2,832.3	819.4	1,240.3	1,175.7	4.77	4.70	0.80	
3,479.0	92.63	33.98	2,830.4	844.3	1,256.8	1,204.6	6.92	-6.03	3.40	
3,509.0	90.40	33.24	2,829.7	869.3	1,273.4	1,233.6	7.83	-7.43	-2.47	
3,539.0	91.95	31.91	2,829.0	894.6	1,289.5	1,262.8	6.81	5.17	-4.43	
3,569.0	92.62	30.76	2,827.8	920.2	1,305.1	1,292.0	4.43	2.23	-3.83	
3,598.0	92.02	28.46	2,826.7	945.4	1,319.4	1,320.5	8.19	-2.07	-7.93	
3,629.0	92.56	26.83	2,825.4	972.8	1,333.8	1,351.1	5.54	1.74	-5.26	
3,658.0	91.68	24.78	2,824.4	998.9	1,346.4	1,379.8	7.69	-3.03	-7.07	
3,688.0	90.44	24.47	2,823.8	1,026.2	1,358.9	1,409.7	4.26	-4.13	-1.03	
3,718.0	91.18	21.95	2,823.4	1,053.7	1,370.7	1,439.6	8.75	2.47	-8.40	
3,748.0	90.81	19.19	2,822.9	1,081.8	1,381.3	1,469.6	9.28	-1.23	-9.20	
3,778.0	90.34	16.70	2,822.6	1,110.3	1,390.5	1,499.6	8.45	-1.57	-8.30	
3,807.0	89.97	13.84	2,822.5	1,138.3	1,398.2	1,528.5	9.94	-1.28	-9.86	
3,837.0	93.16	12.45	2,821.7	1,167.5	1,405.0	1,558.3	11.60	10.63	-4.63	
3,867.0	92.73	9.85	2,820.1	1,196.9	1,410.8	1,588.0	8.77	-1.43	-8.67	
3,897.0	94.89	7.71	2,818.1	1,226.5	1,415.3	1,617.5	10.12	7.20	-7.13	
3,927.0	94.92	6.37	2,815.6	1,256.2	1,419.0	1,646.8	4.45	0.10	-4.47	
3,957.0	96.78	6.51	2,812.5	1,285.8	1,422.4	1,675.9	6.22	6.20	0.47	
3,987.0	97.29	6.17	2,808.8	1,315.4	1,425.6	1,705.0	2.04	1.70	-1.13	
4,017.0	96.33	5.65	2,805.3	1,345.0	1,428.7	1,734.0	3.63	-3.20	-1.73	
4,046.0	96.85	3.15	2,801.9	1,373.8	1,430.9	1,761.9	8.75	1.79	-8.62	
4,076.0	95.26	3.08	2,798.8	1,403.5	1,432.5	1,790.6	5.31	-5.30	-0.23	
4,106.0	93.53	3.17	2,796.5	1,433.4	1,434.2	1,819.4	5.77	-5.77	0.30	
4,136.0	91.82	3.06	2,795.1	1,463.3	1,435.8	1,848.3	5.71	-5.70	-0.37	
4,166.0	92.76	3.42	2,793.9	1,493.3	1,437.5	1,877.2	3.35	3.13	1.20	
4,196.0	90.50	2.54	2,793.0	1,523.2	1,439.0	1,906.0	8.08	-7.53	-2.93	
4,225.0	88.86	1.40	2,793.2	1,552.2	1,440.0	1,933.8	6.89	-5.66	-3.93	
4,255.0	89.09	1.24	2,793.7	1,582.2	1,440.7	1,962.4	0.93	0.77	-0.53	
4,285.0	89.13	1.45	2,794.2	1,612.2	1,441.4	1,991.0	0.71	0.13	0.70	
4,315.0	88.76	1.29	2,794.7	1,642.1	1,442.2	2,019.6	1.34	-1.23	-0.53	

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4,345.0	88.38	0.81	2,795.5	1,672.1	1,442.7	2,048.1	2.04	-1.27	-1.60	
4,375.0	88.82	0.02	2,796.2	1,702.1	1,442.9	2,076.6	3.01	1.47	-2.63	
4,407.0	91.31	358.87	2,796.2	1,734.1	1,442.6	2,106.8	8.57	7.78	-3.59	
4,438.0	91.47	358.57	2,795.4	1,765.1	1,441.9	2,135.9	1.10	0.52	-0.97	
4,470.0	90.10	358.83	2,795.0	1,797.1	1,441.2	2,165.9	4.36	-4.28	0.81	
4,500.0	90.94	358.14	2,794.7	1,827.1	1,440.4	2,194.1	3.62	2.80	-2.30	
4,531.0	91.25	357.12	2,794.1	1,858.0	1,439.1	2,223.0	3.44	1.00	-3.29	
4,563.0	90.13	357.25	2,793.7	1,890.0	1,437.6	2,252.7	3.52	-3.50	0.41	
4,595.0	91.08	356.85	2,793.4	1,922.0	1,435.9	2,282.4	3.22	2.97	-1.25	
4,625.0	90.94	358.75	2,792.9	1,951.9	1,434.8	2,310.4	6.35	-0.47	6.33	
4,656.0	90.91	359.94	2,792.4	1,982.9	1,434.4	2,339.6	3.84	-0.10	3.84	
4,686.0	90.54	1.09	2,792.0	2,012.9	1,434.7	2,368.1	4.03	-1.23	3.83	
4,718.0	90.57	2.36	2,791.7	2,044.9	1,435.6	2,398.7	3.97	0.09	3.97	
4,750.0	90.64	1.50	2,791.4	2,076.9	1,436.7	2,429.3	2.70	0.22	-2.69	
4,781.0	91.21	1.35	2,790.8	2,107.9	1,437.5	2,458.9	1.90	1.84	-0.48	
4,813.0	91.51	3.92	2,790.1	2,139.8	1,439.0	2,489.6	8.08	0.94	8.03	
4,845.0	91.28	4.51	2,789.3	2,171.7	1,441.3	2,520.6	1.98	-0.72	1.84	
4,874.0	91.75	4.38	2,788.5	2,200.6	1,443.5	2,548.7	1.68	1.62	-0.45	
4,904.0	92.46	4.96	2,787.4	2,230.5	1,446.0	2,577.7	3.06	2.37	1.93	
4,936.0	91.72	5.43	2,786.3	2,262.4	1,448.9	2,608.8	2.74	-2.31	1.47	
4,967.0	91.18	6.04	2,785.5	2,293.2	1,452.0	2,639.0	2.63	-1.74	1.97	
4,997.0	91.21	3.78	2,784.9	2,323.1	1,454.5	2,668.1	7.53	0.10	-7.53	
5,029.0	90.91	0.52	2,784.3	2,355.0	1,455.7	2,698.8	10.23	-0.94	-10.19	
5,060.0	89.12	359.17	2,784.3	2,386.0	1,455.7	2,728.1	7.23	-5.77	-4.35	
5,091.0	89.39	359.38	2,784.7	2,417.0	1,455.3	2,757.3	1.10	0.87	0.68	
5,121.0	89.33	0.38	2,785.0	2,447.0	1,455.2	2,785.6	3.34	-0.20	3.33	
5,153.0	89.50	0.83	2,785.3	2,479.0	1,455.5	2,816.0	1.50	0.53	1.41	
5,184.0	89.26	0.99	2,785.7	2,510.0	1,456.0	2,845.5	0.93	-0.77	0.52	
5,214.0	90.07	1.54	2,785.8	2,540.0	1,456.7	2,874.1	3.26	2.70	1.83	
5,246.0	90.71	1.07	2,785.6	2,572.0	1,457.4	2,904.7	2.48	2.00	-1.47	
5,278.0	91.24	0.62	2,785.1	2,604.0	1,457.9	2,935.1	2.17	1.66	-1.41	
5,309.0	89.70	359.70	2,784.8	2,635.0	1,458.0	2,964.5	5.79	-4.97	-2.97	
5,341.0	89.80	359.74	2,785.0	2,667.0	1,457.8	2,994.7	0.34	0.31	0.13	
5,371.0	91.88	1.41	2,784.5	2,697.0	1,458.1	3,023.2	8.89	6.93	5.57	
5,402.0	90.67	1.54	2,783.8	2,728.0	1,458.9	3,052.8	3.93	-3.90	0.42	
5,433.0	90.24	2.79	2,783.6	2,758.9	1,460.1	3,082.5	4.26	-1.39	4.03	
5,465.0	87.85	3.27	2,784.1	2,790.9	1,461.8	3,113.2	7.62	-7.47	1.50	
5,496.0	87.54	2.11	2,785.4	2,821.8	1,463.2	3,143.0	3.87	-1.00	-3.74	
5,528.0	87.44	1.34	2,786.8	2,853.8	1,464.2	3,173.6	2.42	-0.31	-2.41	
5,559.0	88.76	0.67	2,787.8	2,884.8	1,464.8	3,203.1	4.77	4.26	-2.16	
5,589.0	88.69	2.64	2,788.5	2,914.7	1,465.6	3,231.7	6.57	-0.23	6.57	
5,621.0	89.83	3.19	2,788.9	2,946.7	1,467.2	3,262.5	3.96	3.56	1.72	
5,652.0	89.97	3.68	2,788.9	2,977.6	1,469.1	3,292.4	1.64	0.45	1.58	
5,684.0	89.60	3.55	2,789.1	3,009.6	1,471.1	3,323.3	1.23	-1.16	-0.41	

Company:	Samson Resources Company	Local Co-ordinate Reference:	Well Indian Mesa 32-7-11 #1
Project:	La Plata County, C.O.	TVD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Site:	SEC 11-T32N-R7W	MD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Well:	Indian Mesa 32-7-11 #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,715.0	91.28	2.44	2,788.8	3,040.5	1,472.7	3,353.1	6.50	5.42	-3.58
5,746.0	92.32	1.44	2,787.8	3,071.5	1,473.8	3,382.7	4.65	3.35	-3.23
5,778.0	91.61	1.64	2,786.7	3,103.5	1,474.6	3,413.3	2.31	-2.22	0.63
5,808.0	89.56	1.71	2,786.4	3,133.4	1,475.5	3,441.9	6.84	-6.83	0.23
5,839.0	89.26	1.15	2,786.8	3,164.4	1,476.3	3,471.5	2.05	-0.97	-1.81
5,871.0	90.81	0.27	2,786.7	3,196.4	1,476.7	3,501.9	5.57	4.84	-2.75
5,901.0	92.46	359.87	2,785.9	3,226.4	1,476.7	3,530.3	5.66	5.50	-1.33
5,933.0	92.09	359.45	2,784.6	3,258.4	1,476.5	3,560.5	1.75	-1.16	-1.31
5,962.0	90.00	359.12	2,784.1	3,287.4	1,476.2	3,587.8	7.30	-7.21	-1.14
5,993.0	89.83	359.11	2,784.1	3,318.4	1,475.7	3,617.0	0.55	-0.55	-0.03
6,024.0	91.01	359.13	2,783.9	3,349.4	1,475.2	3,646.2	3.81	3.81	0.06
6,054.0	90.74	358.93	2,783.4	3,379.4	1,474.7	3,674.4	1.12	-0.90	-0.67
6,086.0	90.81	357.79	2,783.0	3,411.4	1,473.8	3,704.4	3.57	0.22	-3.56
6,118.0	91.51	357.46	2,782.4	3,443.3	1,472.5	3,734.2	2.42	2.19	-1.03
6,149.0	91.88	359.01	2,781.4	3,474.3	1,471.5	3,763.3	5.14	1.19	5.00
6,179.0	93.46	0.35	2,780.0	3,504.3	1,471.4	3,791.6	6.90	5.27	4.47
6,210.0	91.99	0.51	2,778.6	3,535.2	1,471.6	3,820.9	4.77	-4.74	0.52
6,242.0	92.25	0.13	2,777.4	3,567.2	1,471.8	3,851.3	1.44	0.81	-1.19
6,273.0	92.09	0.20	2,776.2	3,598.2	1,471.9	3,880.6	0.56	-0.52	0.23
6,305.0	91.34	0.72	2,775.3	3,630.2	1,472.1	3,911.0	2.85	-2.34	1.63
6,337.0	91.11	0.34	2,774.6	3,662.1	1,472.4	3,941.4	1.39	-0.72	-1.19
6,368.0	91.42	0.13	2,773.9	3,693.1	1,472.5	3,970.7	1.21	1.00	-0.68
6,400.0	91.88	2.21	2,773.0	3,725.1	1,473.2	4,001.2	6.65	1.44	6.50
6,431.0	91.41	2.47	2,772.1	3,756.1	1,474.5	4,030.9	1.73	-1.52	0.84
6,463.0	92.55	3.35	2,771.0	3,788.0	1,476.1	4,061.7	4.50	3.56	2.75
6,493.0	92.69	4.39	2,769.6	3,817.9	1,478.1	4,090.6	3.49	0.47	3.47
6,524.0	93.17	3.28	2,768.0	3,848.8	1,480.2	4,120.5	3.90	1.55	-3.58
6,556.0	94.44	1.49	2,765.9	3,880.7	1,481.5	4,151.2	6.85	3.97	-5.59
6,586.0	94.17	358.58	2,763.6	3,910.6	1,481.5	4,179.5	9.71	-0.90	-9.70
6,618.0	95.89	357.54	2,760.8	3,942.5	1,480.4	4,209.3	6.27	5.38	-3.25
6,650.0	96.20	357.42	2,757.5	3,974.3	1,479.0	4,238.9	1.04	0.97	-0.38
6,682.0	96.48	356.68	2,753.9	4,006.0	1,477.4	4,268.5	2.46	0.88	-2.31
6,712.0	96.77	356.04	2,750.5	4,035.8	1,475.5	4,296.0	2.33	0.97	-2.13
6,744.0	95.66	355.33	2,747.0	4,067.5	1,473.1	4,325.3	4.11	-3.47	-2.22
6,775.0	95.09	354.35	2,744.1	4,098.2	1,470.3	4,353.4	3.65	-1.84	-3.16
6,807.0	93.06	353.96	2,741.8	4,130.0	1,467.1	4,382.5	6.46	-6.34	-1.22
6,839.0	92.69	352.50	2,740.2	4,161.7	1,463.3	4,411.3	4.70	-1.16	-4.56
6,870.0	90.74	351.96	2,739.3	4,192.4	1,459.1	4,439.0	6.53	-6.29	-1.74
6,900.0	89.36	351.41	2,739.3	4,222.1	1,454.8	4,465.7	4.95	-4.60	-1.83
6,931.0	89.29	350.41	2,739.6	4,252.7	1,449.9	4,493.1	3.23	-0.23	-3.23
6,963.0	89.76	350.16	2,739.9	4,284.2	1,444.5	4,521.2	1.66	1.47	-0.78
7,001.0	89.87	350.16	2,740.0	4,321.7	1,438.0	4,554.5	0.29	0.29	0.00

Company:	Samson Resources Company	Local Co-ordinate Reference:	Well Indian Mesa 32-7-11 #1
Project:	La Plata County, C.O.	TVD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Site:	SEC 11-T32N-R7W	MD Reference:	AWS 507 @ 6318.4ft (12' DF + 6306.4' GL)
Well:	Indian Mesa 32-7-11 #1	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM 5000.1 Single User Db

Design Targets

Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
I.M. 32-7-11 #1 East	I	0.00	360.00	3,200.0	580.0	1,485.0	1,137,741.85	2,395,434.44	37° 1' 35.555 N	107° 34' 15.595 W
- actual wellpath misses target center by 495.6ft at 3381.8ft MD (2835.5 TVD, 763.2 N, 1203.6 E)										
- Polygon										
Point 1				3,200.0	3,777.1	0.0	1,141,519.11	2,395,434.43		
Point 2				3,200.0	-100.0	0.0	1,137,641.85	2,395,434.43		
I.M. 32-7-11 #1 North		0.00	360.00	3,200.0	4,357.1	1,285.0	1,141,519.11	2,395,234.43	37° 2' 12.848 N	107° 34' 19.094 W
- actual wellpath misses target center by 486.0ft at 7001.0ft MD (2740.0 TVD, 4321.7 N, 1438.0 E)										
- Polygon										
Point 1				3,200.0	0.0	-1,000.0	1,141,519.11	2,394,234.38		
Point 2				3,200.0	0.0	200.0	1,141,519.11	2,395,434.43		
I.M. 32-7-11 #1 South		0.00	360.00	3,200.0	480.0	1,285.0	1,137,641.85	2,395,234.43	37° 1' 34.523 N	107° 34' 18.033 W
- actual wellpath misses target center by 438.7ft at 3261.7ft MD (2837.4 TVD, 670.4 N, 1127.6 E)										
- Polygon										
Point 1				3,200.0	0.0	-1,000.0	1,137,641.85	2,394,234.38		
Point 2				3,200.0	0.0	200.0	1,137,641.85	2,395,434.43		

Checked By: _____	Approved By: _____	Date: _____
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