



Projected Final Survey -
7146'MD & 7056'TVD @ 947'VS
2.9 deg Inc 206.4 deg AZ

Project: SEC.15-T4N-R68W
Site: Lamb 5 Pad Sec.15-T4N-R68W
Well: Lamb 32-15
Plan: Wellbore #1



Directional

Sundance Energy, Weld County, CO

SEC.15-T4N-R68W

Lamb 5 Pad Sec.15-T4N-R68W

Lamb 32-15

Wellbore #1

Survey: Survey #1

Standard Survey Report

08 June, 2012

Survey	Wellbore Data									
	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	129.0	2.50	219.30	129.0	-2.2	-1.8	2.8	1.94	1.94	0.00
	251.0	2.70	215.90	250.8	-6.6	-5.2	8.3	0.21	0.16	-2.79
	373.0	3.60	225.60	372.6	-11.6	-9.6	14.9	0.85	0.74	7.95
	514.0	6.20	237.20	513.1	-18.8	-19.1	26.8	1.96	1.84	8.23
	586.0	6.90	237.20	584.7	-23.2	-26.0	34.9	0.97	0.97	0.00
	710.0	9.00	227.50	707.5	-33.8	-39.5	51.9	2.00	1.69	-7.82
	835.0	11.60	224.70	830.4	-49.4	-55.5	74.2	2.12	2.08	-2.24
	960.0	12.10	224.20	952.8	-67.7	-73.5	99.9	0.41	0.40	-0.40
	1,085.0	11.60	223.00	1,075.1	-86.3	-91.2	125.5	0.45	-0.40	-0.96
	1,209.0	11.90	224.40	1,196.5	-104.5	-108.6	150.8	0.33	0.24	1.13
	1,334.0	11.30	221.90	1,319.0	-122.9	-125.8	175.9	0.63	-0.48	-2.00
	1,459.0	11.60	225.80	1,441.5	-140.7	-143.0	200.7	0.66	0.24	3.12

Company:	Sundance Energy, Weld County, CO	Local Co-ordinate Reference:	Well Lamb 32-15
Project:	SEC.15-T4N-R68W	TVD Reference:	WELL @ 4954.0ft (Original Well Elev)
Site:	Lamb 5 Pad Sec.15-T4N-R68W	MD Reference:	WELL @ 4954.0ft (Original Well Elev)
Well:	Lamb 32-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,584.0	11.30	223.30	1,564.0	-158.4	-160.4	225.5	0.46	-0.24	-2.00
1,708.0	11.50	226.30	1,685.5	-175.8	-177.7	250.0	0.50	0.16	2.42
1,833.0	11.20	224.20	1,808.1	-193.1	-195.2	274.6	0.41	-0.24	-1.68
1,958.0	11.10	225.20	1,930.7	-210.3	-212.2	298.7	0.17	-0.08	0.80
2,083.0	12.10	224.90	2,053.2	-228.0	-230.0	323.9	0.80	0.80	-0.24
2,208.0	13.30	224.40	2,175.1	-247.6	-249.3	351.3	0.96	0.96	-0.40
2,332.0	12.20	224.70	2,296.1	-267.1	-268.5	378.7	0.89	-0.89	0.24
2,457.0	11.80	230.60	2,418.3	-284.6	-287.6	404.6	1.03	-0.32	4.72
2,582.0	11.30	231.00	2,540.8	-300.4	-307.0	429.6	0.41	-0.40	0.32
2,707.0	10.60	230.20	2,663.5	-315.5	-325.4	453.2	0.57	-0.56	-0.64
2,831.0	11.10	224.20	2,785.3	-331.3	-342.5	476.5	1.00	0.40	-4.84
2,956.0	11.60	224.70	2,907.9	-348.9	-359.7	501.1	0.41	0.40	0.40
3,081.0	11.70	227.30	3,030.3	-366.4	-377.8	526.3	0.43	0.08	2.08
3,206.0	11.60	226.50	3,152.7	-383.7	-396.3	551.6	0.15	-0.08	-0.64
3,330.0	11.70	222.60	3,274.2	-401.5	-413.8	576.6	0.64	0.08	-3.15
3,455.0	11.90	221.70	3,396.5	-420.5	-431.0	602.1	0.22	0.16	-0.72
3,580.0	12.00	225.20	3,518.8	-439.2	-448.8	628.0	0.59	0.08	2.80
3,705.0	12.20	229.50	3,641.0	-457.0	-468.0	654.1	0.74	0.16	3.44
3,829.0	12.10	225.60	3,762.3	-474.6	-487.3	680.2	0.67	-0.08	-3.15
3,954.0	12.30	225.90	3,884.4	-493.0	-506.2	706.6	0.17	0.16	0.24
4,079.0	12.00	226.80	4,006.6	-511.2	-525.2	732.9	0.28	-0.24	0.72
4,204.0	11.60	227.90	4,129.0	-528.5	-544.0	758.5	0.37	-0.32	0.88
4,328.0	11.90	221.00	4,250.4	-546.5	-561.7	783.7	1.16	0.24	-5.56
4,453.0	11.50	222.40	4,372.8	-565.4	-578.5	809.0	0.39	-0.32	1.12
4,578.0	11.60	223.30	4,495.3	-583.8	-595.6	834.0	0.16	0.08	0.72
4,703.0	11.50	225.20	4,617.8	-601.7	-613.0	859.0	0.31	-0.08	1.52
4,828.0	9.20	225.40	4,740.7	-617.5	-629.0	881.4	1.84	-1.84	0.16
4,952.0	6.60	222.40	4,863.5	-629.7	-640.8	898.5	2.12	-2.10	-2.42
5,077.0	4.00	230.90	4,988.0	-637.8	-649.1	910.0	2.17	-2.08	6.80
5,202.0	1.70	196.40	5,112.8	-642.3	-653.0	915.9	2.22	-1.84	-27.60
5,327.0	2.30	208.00	5,237.7	-646.3	-654.7	920.0	0.58	0.48	9.28
5,451.0	1.10	230.50	5,361.7	-649.3	-656.8	923.5	1.09	-0.97	18.15
5,576.0	1.30	217.50	5,486.7	-651.2	-658.5	926.1	0.27	0.16	-10.40
5,589.3	1.10	216.76	5,500.0	-651.4	-658.7	926.4	1.51	-1.51	-5.54
TARGET BHL 1980'FNL, 1980'FEL									
5,701.0	0.60	50.30	5,611.7	-651.9	-658.9	926.9	1.51	-0.45	-149.05
5,826.0	0.70	139.50	5,736.7	-652.0	-657.9	926.3	0.73	0.08	71.36
5,950.0	1.50	180.20	5,860.6	-654.2	-657.4	927.5	0.86	0.65	32.82
6,075.0	2.00	202.70	5,985.6	-657.9	-658.3	930.6	0.67	0.40	18.00
6,200.0	0.40	40.10	6,110.5	-659.5	-658.8	932.2	1.91	-1.28	-130.08
6,325.0	0.20	27.50	6,235.5	-659.0	-658.5	931.6	0.17	-0.16	-10.08
6,449.0	0.40	255.30	6,359.5	-658.9	-658.8	931.7	0.45	0.16	-106.61
6,574.0	0.90	221.10	6,484.5	-659.8	-659.8	933.1	0.49	0.40	-27.36
6,699.0	0.10	303.10	6,609.5	-660.5	-660.6	934.1	0.71	-0.64	65.60
6,790.4	0.88	225.02	6,700.9	-660.9	-661.1	934.8	0.95	0.86	-85.43
TARGET CIRCLE 1980'FNL & 1980'FEL									
6,790.5	0.88	225.01	6,701.1	-660.9	-661.1	934.8	0.95	0.94	-6.94
LEGAL BOX 400' X 400' 1990'FNL & 1994'FEL									
6,824.0	1.20	223.30	6,734.5	-661.4	-661.6	935.4	0.95	0.94	-5.10
6,948.0	2.00	208.40	6,858.5	-664.2	-663.5	938.8	0.72	0.65	-12.02
7,073.0	3.00	205.00	6,983.4	-669.1	-665.9	943.9	0.81	0.80	-2.72
7,100.0	2.90	206.40	7,010.3	-670.3	-666.5	945.2	0.46	-0.37	5.19
7,146.0	2.90	206.40	7,056.3	-672.4	-667.5	947.4	0.00	0.00	0.00

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Design:	Wellbore #1	Database:	Landmark

Checked By: _____	Approved By: _____	Date: _____
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