

30-015-41230



Conoco Phillips

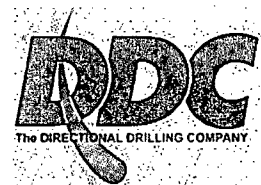
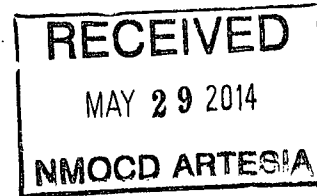
Eddy County, New Mexico -Nad 83
Golden Spur
Golden Spur 25 FBS #3H

Wellbore #1

Survey: MWD

DDC Survey Report

23 September, 2013



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Golden Spur 25 FBS #3H
Project:	Eddy County, New Mexico - Nad 83	TVD Reference:	WELL @ 3144.0usft (H&P #486)
Site:	Golden Spur	MD Reference:	WELL @ 3144.0usft (H&P #486)
Well:	Golden Spur 25 FBS #3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM:5000:1 Single User Db

Project	Eddy County, New Mexico - Nad 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Golden Spur		
Site Position:		Northing:	366,970.56 usft
From:	Map	Easting:	725,721.08 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 0' 26.955 N
		Longitude:	103° 44' 18.532 W
		Grid Convergence:	0.32 °

Well	Golden Spur 25 FBS #3H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 0' 26.955 N
		Longitude:	103° 44' 18.532 W
		Ground Level:	3,144.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	7/8/2013	7.39
			Dip Angle
			59.91
			Field Strength
			48,263

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			359.80

Survey Program	Date: 9/23/2013		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
54.0	1,033.0	GYRO (Wellbore #1)	Good_gyro
1,153.0	14,160.0	MWD (Wellbore #1)	MWD default
			Description
			Good Gyro
			MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
Tie in @ 1033' MD / 1032.1' TVD									
1,033.0	4.87	225.38	1,032.1	-24.6	-18.9	-24.5	0.00	0.00	0.00
1,153.0	5.10	209.80	1,151.7	-32.8	-25.2	-32.7	1.14	0.19	-12.98
1,247.0	6.20	202.20	1,245.2	-41.1	-29.2	-41.0	1.41	1.17	-8.09
1,342.0	6.00	204.10	1,339.7	-50.4	-33.2	-50.3	0.30	-0.21	2.00
1,437.0	6.20	195.30	1,434.1	-59.9	-36.5	-59.8	1.01	0.21	-9.26
1,532.0	6.50	196.60	1,528.6	-70.0	-39.4	-69.9	0.35	0.32	1.37
1,626.0	6.30	196.80	1,622.0	-80.0	-42.4	-79.9	0.21	-0.21	0.21
1,721.0	6.20	197.40	1,716.4	-89.9	-45.5	-89.8	0.13	-0.11	0.63
1,816.0	6.00	198.90	1,810.9	-99.5	-48.6	-99.3	0.27	-0.21	1.58

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Site:	Golden Spur	MD Reference:	WELL @ 3144.0usft (H&P #486)
Well:	Golden Spur 25 FBS #3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,911.0	5.80	201.50	1,905.4	-108.7	-52.0	-108.5	0.35	-0.21	2.74
2,006.0	5.50	203.60	1,999.9	-117.3	-55.6	-117.1	0.38	-0.32	2.21
2,100.0	5.20	203.60	2,093.5	-125.3	-59.1	-125.1	0.32	-0.32	0.00
2,195.0	6.10	206.10	2,188.0	-133.8	-63.0	-133.6	0.98	0.95	2.63
2,290.0	6.60	196.60	2,282.5	-143.6	-66.8	-143.4	1.22	0.53	-10.00
2,385.0	6.40	193.10	2,376.9	-154.0	-69.6	-153.7	0.47	-0.21	-3.68
2,479.0	5.90	194.80	2,470.3	-163.8	-72.0	-163.5	0.57	-0.53	1.81
2,574.0	5.10	196.60	2,564.9	-172.5	-74.4	-172.3	0.86	-0.84	1.89
2,669.0	4.60	197.10	2,659.5	-180.2	-76.8	-179.9	0.53	-0.53	0.53
2,763.0	4.90	193.60	2,753.2	-187.7	-78.8	-187.4	0.44	0.32	-3.72
2,858.0	4.60	191.50	2,847.9	-195.4	-80.5	-195.1	0.36	-0.32	-2.21
2,953.0	4.20	197.80	2,942.6	-202.4	-82.4	-202.1	0.66	-0.42	6.63
3,048.0	3.80	198.00	3,037.4	-208.7	-84.4	-208.4	0.42	-0.42	0.21
3,144.0	3.30	193.80	3,133.2	-214.4	-86.0	-214.1	0.59	-0.52	-4.38
3,239.0	2.70	199.40	3,228.1	-219.2	-87.4	-218.9	0.70	-0.63	5.89
3,333.0	4.80	197.10	3,321.8	-225.1	-89.3	-224.8	2.24	2.23	-2.45
3,427.0	7.00	194.50	3,415.3	-234.4	-91.9	-234.0	2.36	2.34	-2.77
3,522.0	9.10	193.40	3,509.4	-247.3	-95.1	-246.9	2.22	2.21	-1.16
3,617.0	8.30	190.80	3,603.3	-261.3	-98.1	-261.0	0.94	-0.84	-2.74
3,711.0	8.60	190.40	3,696.3	-274.9	-100.7	-274.6	0.33	0.32	-0.43
3,806.0	8.40	191.50	3,790.2	-288.7	-103.3	-288.3	0.27	-0.21	1.16
3,900.0	7.00	191.50	3,883.4	-301.0	-105.9	-300.7	1.49	-1.49	0.00
3,995.0	6.60	189.70	3,977.7	-312.1	-107.9	-311.7	0.48	-0.42	-1.89
4,090.0	7.10	191.80	4,072.1	-323.2	-110.0	-322.8	0.59	0.53	2.21
4,184.0	7.90	188.80	4,165.2	-335.3	-112.2	-334.9	0.95	0.85	-3.19
4,279.0	6.80	190.20	4,259.5	-347.3	-114.2	-346.9	1.17	-1.16	1.47
4,373.0	5.00	188.00	4,353.0	-356.8	-115.8	-356.4	1.93	-1.91	-2.34
4,468.0	4.80	188.80	4,447.6	-364.8	-117.0	-364.4	0.22	-0.21	0.84
4,563.0	4.80	189.90	4,542.3	-372.7	-118.2	-372.3	0.10	0.00	1.16
4,657.0	5.80	190.10	4,635.9	-381.2	-119.8	-380.8	1.06	1.06	0.21
4,752.0	6.70	190.20	4,730.3	-391.4	-121.6	-391.0	0.95	0.95	0.11
4,847.0	8.00	186.00	4,824.5	-403.4	-123.3	-403.0	1.48	1.37	-4.42
4,941.0	7.30	186.90	4,917.7	-415.9	-124.7	-415.4	0.76	-0.74	0.96
5,036.0	6.60	190.20	5,012.0	-427.2	-126.3	-426.8	0.85	-0.74	3.47
5,131.0	5.50	192.40	5,106.5	-437.1	-128.3	-436.6	1.18	-1.16	2.32
5,225.0	5.60	192.40	5,200.0	-445.9	-130.2	-445.5	0.11	0.11	0.00
5,320.0	5.80	187.60	5,294.6	-455.2	-131.9	-454.8	0.54	0.21	-5.05
5,415.0	6.80	187.30	5,389.0	-465.6	-133.2	-465.1	1.05	1.05	-0.32
5,509.0	6.20	193.90	5,482.4	-476.0	-135.1	-475.5	1.02	-0.64	7.02
5,604.0	6.20	193.10	5,576.8	-486.0	-137.5	-485.5	0.09	0.00	-0.84
5,699.0	5.60	197.80	5,671.3	-495.4	-140.1	-494.9	0.81	-0.63	4.95
5,793.0	5.30	190.60	5,764.9	-504.0	-142.3	-503.5	0.79	-0.32	-7.66
5,891.0	4.40	187.30	5,862.5	-512.2	-143.6	-511.7	0.96	-0.92	-3.37

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000:1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,985.0	3.60	190.60	5,956.3	-518.7	-144.6	-518.2	0.89	-0.85	3.51
6,080.0	3.10	193.20	6,051.2	-524.1	-145.8	-523.6	0.55	-0.53	2.74
6,175.0	2.30	191.80	6,146.0	-528.5	-146.7	-528.0	0.84	-0.84	-1.47
6,269.0	2.20	190.80	6,240.0	-532.1	-147.5	-531.6	0.11	-0.11	-1.06
6,364.0	2.10	188.00	6,334.9	-535.6	-148.1	-535.1	0.15	-0.11	-2.95
6,459.0	1.90	187.90	6,429.8	-538.9	-148.5	-538.4	0.21	-0.21	-0.11
6,554.0	1.70	185.30	6,524.8	-541.9	-148.9	-541.3	0.23	-0.21	-2.74
6,596.0	1.60	186.40	6,566.8	-543.1	-149.0	-542.5	0.25	-0.24	2.62
6,677.0	1.60	183.90	6,647.8	-545.3	-149.2	-544.8	0.09	0.00	-3.09
6,772.0	0.30	119.20	6,742.7	-546.8	-149.1	-546.2	1.58	-1.37	-68.11
6,866.0	0.70	53.00	6,836.7	-546.5	-148.4	-546.0	0.68	0.43	-70.43
6,961.0	0.50	62.80	6,931.7	-546.0	-147.6	-545.5	0.24	-0.21	10.32
7,056.0	1.10	44.90	7,026.7	-545.2	-146.5	-544.6	0.68	0.63	-18.84
7,150.0	1.30	355.60	7,120.7	-543.5	-146.0	-542.9	1.08	0.21	-52.45
7,245.0	1.30	358.60	7,215.7	-541.3	-146.1	-540.8	0.07	0.00	3.16
7,340.0	2.50	355.10	7,310.6	-538.2	-146.3	-537.7	1.27	1.26	-3.68
7,435.0	2.20	2.30	7,405.5	-534.3	-146.4	-533.8	0.44	-0.32	7.58
7,529.0	2.10	5.00	7,499.5	-530.8	-146.2	-530.2	0.15	-0.11	2.87
7,624.0	1.60	349.30	7,594.4	-527.7	-146.3	-527.2	0.74	-0.53	-16.53
7,719.0	1.00	355.00	7,689.4	-525.6	-146.6	-525.1	0.65	-0.63	6.00
7,814.0	2.00	1.60	7,784.4	-523.1	-146.6	-522.6	1.07	1.05	6.95
7,908.0	1.70	0.80	7,878.3	-520.1	-146.6	-519.6	0.32	-0.32	-0.85
8,003.0	2.10	351.30	7,973.3	-516.9	-146.8	-516.4	0.53	0.42	-10.00
8,098.0	3.20	346.90	8,068.2	-512.6	-147.7	-512.1	1.18	1.16	-4.63
8,193.0	4.00	346.90	8,163.0	-506.8	-149.0	-506.3	0.84	0.84	0.00
8,287.0	4.50	344.60	8,256.7	-500.1	-150.7	-499.6	0.56	0.53	-2.45
8,382.0	4.60	340.70	8,351.4	-492.9	-153.0	-492.4	0.34	0.11	-4.11
8,477.0	5.20	347.70	8,446.1	-485.1	-155.2	-484.6	0.89	0.63	7.37
8,572.0	3.70	349.90	8,540.8	-477.9	-156.6	-477.3	1.59	-1.58	2.32
8,662.0	4.80	0.90	8,630.5	-471.2	-157.1	-470.7	1.52	1.22	12.22
8,757.0	4.90	0.90	8,725.2	-463.2	-156.9	-462.7	0.11	0.11	0.00
8,794.0	5.30	0.40	8,762.0	-459.9	-156.9	-459.4	1.09	1.08	-1.35
8,825.0	7.40	1.30	8,792.9	-456.5	-156.8	-455.9	6.78	6.77	2.90
8,857.0	10.20	358.50	8,824.5	-451.6	-156.9	-451.1	8.85	8.75	-8.75
8,887.0	12.70	359.70	8,853.9	-445.7	-157.0	-445.1	8.37	8.33	4.00
8,918.0	15.10	3.40	8,884.0	-438.2	-156.7	-437.7	8.25	7.74	11.94
8,949.0	17.30	8.10	8,913.7	-429.6	-155.9	-429.1	8.26	7.10	15.16
8,980.0	19.90	10.90	8,943.1	-419.9	-154.2	-419.3	8.87	8.39	9.03
9,010.0	22.30	9.90	8,971.1	-409.2	-152.3	-408.7	8.09	8.00	-3.33
9,041.0	23.50	8.00	8,999.7	-397.3	-150.4	-396.8	4.55	3.87	-6.13
9,072.0	25.10	4.10	9,027.9	-384.7	-149.1	-384.1	7.31	5.16	-12.58
9,102.0	27.00	1.60	9,054.9	-371.5	-148.4	-371.0	7.31	6.33	-8.33
9,133.0	29.40	1.10	9,082.2	-356.9	-148.1	-356.3	7.78	7.74	-1.61

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Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,164.0	32.50	1.10	9,108.8	-340.9	-147.8	-340.4	10.00	10.00	0.00
9,195.0	35.50	1.10	9,134.5	-323.6	-147.4	-323.1	9.68	9.68	0.00
9,225.0	38.40	0.60	9,158.4	-305.6	-147.2	-305.0	9.72	9.67	-1.67
9,256.0	42.10	359.70	9,182.1	-285.5	-147.1	-285.0	12.08	11.94	-2.90
9,287.0	45.70	359.20	9,204.4	-264.0	-147.3	-263.5	11.67	11.61	-1.61
9,317.0	48.40	358.60	9,224.9	-242.1	-147.8	-241.6	9.12	9.00	-2.00
9,348.0	50.90	358.60	9,244.9	-218.5	-148.3	-218.0	8.06	8.06	0.00
9,379.0	52.70	358.70	9,264.1	-194.1	-148.9	-193.6	5.81	5.81	0.32
9,410.0	53.90	358.80	9,282.6	-169.3	-149.4	-168.7	3.88	3.87	0.32
9,440.0	55.30	359.20	9,300.0	-144.8	-149.9	-144.3	4.79	4.67	1.33
9,471.0	56.90	359.70	9,317.3	-119.1	-150.1	-118.6	5.33	5.16	1.61
9,502.0	58.90	0.10	9,333.8	-92.8	-150.2	-92.3	6.54	6.45	1.29
9,533.0	61.80	0.10	9,349.1	-65.9	-150.1	-65.4	9.35	9.35	0.00
9,563.0	62.90	1.30	9,363.0	-39.3	-149.8	-38.8	5.10	3.67	4.00
9,594.0	64.20	0.60	9,376.8	-11.6	-149.3	-11.1	4.66	4.19	-2.26
9,625.0	66.50	0.80	9,389.8	16.6	-149.0	17.1	7.44	7.42	0.65
9,656.0	68.50	1.10	9,401.6	45.2	-148.5	45.8	6.51	6.45	0.97
9,686.0	70.20	0.20	9,412.2	73.3	-148.2	73.8	6.32	5.67	-3.00
9,717.0	72.00	0.20	9,422.2	102.6	-148.1	103.1	5.81	5.81	0.00
9,748.0	74.20	0.60	9,431.3	132.3	-147.9	132.8	7.20	7.10	1.29
9,779.0	76.70	359.50	9,439.0	162.3	-147.9	162.8	8.77	8.06	-3.55
9,810.0	79.80	359.40	9,445.4	192.6	-148.1	193.2	10.00	10.00	-0.32
9,842.0	82.40	359.20	9,450.3	224.2	-148.5	224.8	8.15	8.13	-0.63
9,873.0	84.70	0.10	9,453.8	255.0	-148.7	255.6	7.96	7.42	2.90
9,905.0	86.30	0.20	9,456.3	286.9	-148.6	287.5	5.01	5.00	0.31
9,936.0	87.90	0.10	9,457.9	317.9	-148.6	318.4	5.17	5.16	-0.32
9,968.0	88.60	0.20	9,458.8	349.9	-148.5	350.4	2.21	2.19	0.31
10,000.0	89.30	0.60	9,459.4	381.9	-148.3	382.4	2.52	2.19	1.25
10,063.0	89.20	1.30	9,460.3	444.9	-147.2	445.4	1.12	-0.16	1.11
10,157.0	90.00	0.60	9,460.9	538.9	-145.6	539.4	1.13	0.85	-0.74
10,252.0	90.60	0.60	9,460.4	633.8	-144.7	634.3	0.63	0.63	0.00
10,347.0	89.40	0.40	9,460.4	728.8	-143.8	729.3	1.28	-1.26	-0.21
10,442.0	90.40	1.30	9,460.6	823.8	-142.4	824.3	1.42	1.05	0.95
10,536.0	91.30	1.50	9,459.2	917.8	-140.1	918.3	0.98	0.96	0.21
10,631.0	89.20	0.80	9,458.8	1,012.8	-138.2	1,013.2	2.33	-2.21	-0.74
10,726.0	89.50	0.40	9,459.9	1,107.8	-137.2	1,108.2	0.53	0.32	-0.42
10,820.0	90.70	0.20	9,459.7	1,201.7	-136.7	1,202.2	1.29	1.28	-0.21
10,915.0	87.80	359.40	9,460.9	1,296.7	-137.1	1,297.2	3.17	-3.05	-0.84
11,010.0	88.30	0.20	9,464.2	1,391.7	-137.4	1,392.1	0.99	0.53	0.84
11,105.0	89.10	0.80	9,466.3	1,486.6	-136.6	1,487.1	1.05	0.84	0.63
11,200.0	88.90	358.50	9,468.0	1,581.6	-137.1	1,582.1	2.43	-0.21	-2.42
11,295.0	88.70	357.90	9,470.0	1,676.6	-140.1	1,677.0	0.67	-0.21	-0.63
11,389.0	88.90	358.80	9,471.9	1,770.5	-142.8	1,771.0	0.98	0.21	0.96
11,484.0	88.40	357.20	9,474.2	1,865.4	-146.1	1,865.9	1.76	-0.53	-1.68

Company:	Conoco Phillips	Local Co-ordinate Reference:	Well: Golden Spur-25-FBS #3H
Project:	Eddy County, New Mexico - Nad: 83	TVD Reference:	WELL @ 3144.0usft (H&P #486)
Site:	Golden Spur	MD Reference:	WELL @ 3144.0usft (H&P #486)
Well:	Golden Spur-25-FBS #3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM: 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,579.0	91.60	358.10	9,474.2	1,960.3	-150.0	1,960.8	3.50	3.37	0.95
11,673.0	91.00	359.70	9,472.0	2,054.3	-151.8	2,054.8	1.82	-0.64	1.70
11,768.0	89.80	359.00	9,471.4	2,149.3	-152.9	2,149.8	1.46	-1.26	-0.74
11,862.0	90.80	358.60	9,470.9	2,243.2	-154.9	2,243.8	1.15	1.06	-0.43
11,957.0	88.80	359.20	9,471.2	2,338.2	-156.7	2,338.7	2.20	-2.11	0.63
12,052.0	89.40	0.20	9,472.7	2,433.2	-157.2	2,433.7	1.23	0.63	1.05
12,146.0	90.80	359.50	9,472.5	2,527.2	-157.5	2,527.7	1.67	1.49	-0.74
12,241.0	90.30	0.60	9,471.6	2,622.2	-157.4	2,622.7	1.27	-0.53	1.16
12,336.0	91.20	359.40	9,470.4	2,717.2	-157.4	2,717.7	1.58	0.95	-1.26
12,431.0	91.40	0.10	9,468.2	2,812.1	-157.8	2,812.7	0.77	0.21	0.74
12,525.0	89.30	0.60	9,467.7	2,906.1	-157.2	2,906.7	2.30	-2.23	0.53
12,620.0	91.10	0.80	9,467.3	3,001.1	-156.1	3,001.7	1.91	1.89	0.21
12,714.0	89.80	0.60	9,466.6	3,095.1	-154.9	3,095.6	1.40	-1.38	-0.21
12,809.0	88.20	0.60	9,468.2	3,190.1	-153.9	3,190.6	1.68	-1.68	0.00
12,940.0	89.80	0.80	9,470.5	3,321.1	-152.3	3,321.6	1.23	1.22	0.15
13,034.0	89.10	359.70	9,471.4	3,415.1	-151.9	3,415.6	1.39	-0.74	-1.17
13,129.0	90.70	358.80	9,471.6	3,510.0	-153.1	3,510.6	1.93	1.68	-0.95
13,223.0	88.60	0.20	9,472.2	3,604.0	-154.0	3,604.5	2.68	-2.23	1.49
13,318.0	90.70	359.50	9,472.8	3,699.0	-154.2	3,699.5	2.33	2.21	-0.74
13,413.0	89.70	358.30	9,472.4	3,794.0	-156.0	3,794.5	1.64	-1.05	-1.26
13,508.0	91.40	359.00	9,471.5	3,889.0	-158.3	3,889.5	1.94	1.79	0.74
13,602.0	89.50	358.30	9,470.8	3,982.9	-160.5	3,983.5	2.15	-2.02	-0.74
13,697.0	88.60	357.40	9,472.3	4,077.8	-164.1	4,078.4	1.34	-0.95	-0.95
13,792.0	89.30	357.20	9,474.1	4,172.7	-168.5	4,173.3	0.77	0.74	-0.21
13,887.0	90.60	356.70	9,474.2	4,267.6	-173.6	4,268.2	1.47	1.37	-0.53
13,981.0	90.00	356.90	9,473.7	4,361.4	-178.8	4,362.0	0.67	-0.64	0.21
14,076.0	90.90	357.10	9,472.9	4,456.3	-183.8	4,456.9	0.97	0.95	0.21
TD @ 14160' MD / 9471.6' TVD									
14,160.0	90.90	357.10	9,471.6	4,540.2	-188.0	4,540.8	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,033.0	1,032.1	-24.6	-18.9	Tie in @ 1033' MD / 1032.1' TVD
14,160.0	9,471.6	4,540.2	-188.0	TD @ 14160' MD / 9471.6' TVD

Checked By: _____ Approved By: _____ Date: _____