

OXY

Lea County, New Mexico
Speakeasy Federal Unit 3H
SFU 3H

OH

Design: OH

HOBBSOCD

APR 14 2015

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30-025-42265

Standard Survey Report

22 January, 2015

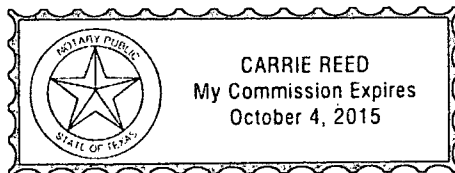
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 4th of March, 2015.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling

www.scientificdrilling.com

APR 22 2015

Survey Report

Company:	OXY	Local Co-ordinate Reference:	Well SFU 3H
Project:	Lea County, New Mexico	TVD Reference:	KB @ 3671.4usft
Site:	Speakeasy Federal Unit 3H	MD Reference:	KB @ 3671.4usft
Well:	SFU 3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Project	Lea County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Speakeasy Federal Unit 3H			
Site Position:		Northing:	516,803.60 usft	Latitude:	32° 25' 7.987 N
From:	Map	Easting:	714,711.30 usft	Longitude:	103° 38' 15.108 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 °

Well	SFU 3H					
Well Position	+N/-S	0.0 usft	Northing:	516,803.60 usft	Latitude:	32° 25' 7.987 N
	+E/-W	0.0 usft	Easting:	714,711.30 usft	Longitude:	103° 38' 15.108 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,646.4 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	12/5/2014	7.20	60.27	48,377

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction.	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	269.44	

Survey Program	Date 1/22/2015			
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
196.0	15,612.0	SDI MWD (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
196.0	0.69	186.50	196.0	-1.2	-0.1	0.1	0.35	0.35	0.00	
316.0	1.23	196.86	316.0	-3.1	-0.6	0.6	0.47	0.45	8.63	
495.0	1.93	200.78	494.9	-7.8	-2.2	2.3	0.40	0.39	2.19	
674.0	2.62	207.52	673.8	-14.2	-5.2	5.3	0.41	0.39	3.77	
855.0	2.59	220.96	854.6	-21.0	-9.8	10.0	0.34	-0.02	7.43	
946.0	2.73	225.68	945.5	-24.1	-12.7	12.9	0.29	0.15	5.19	
1,131.0	2.36	227.89	1,130.3	-29.7	-18.6	18.9	0.21	-0.20	1.19	
1,319.0	2.05	234.48	1,318.2	-34.2	-24.3	24.6	0.21	-0.16	3.51	
1,507.0	0.79	254.62	1,506.1	-36.5	-28.2	28.6	0.71	-0.67	10.71	

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Well:	SFU 3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

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)
1,695.0	0.62	224.90	1,694.1	-37.6	-30.2	30.6	0.21	-0.09	-15.81
1,883.0	0.47	32.28	1,882.1	-37.7	-30.5	30.9	0.58	-0.08	89.03
2,072.0	0.95	60.49	2,071.1	-36.2	-28.7	29.1	0.31	0.25	14.93
2,260.0	1.02	65.05	2,259.0	-34.8	-25.9	26.2	0.06	0.04	2.43
2,448.0	1.50	68.39	2,447.0	-33.1	-22.1	22.4	0.26	0.26	1.78
2,636.0	2.23	55.33	2,634.9	-30.2	-16.8	17.1	0.45	0.39	-6.95
2,823.0	2.56	61.63	2,821.7	-26.1	-10.1	10.3	0.23	0.18	3.37
3,011.0	2.78	70.73	3,009.5	-22.6	-2.1	2.3	0.25	0.12	4.84
3,200.0	1.72	67.82	3,198.4	-20.0	4.9	-4.7	0.56	-0.56	-1.54
3,389.0	2.17	85.35	3,387.3	-18.7	11.1	-10.9	0.39	0.24	9.28
3,577.0	1.48	87.54	3,575.2	-18.3	17.0	-16.8	0.37	-0.37	1.16
3,765.0	0.89	95.96	3,763.1	-18.3	20.9	-20.7	0.33	-0.31	4.48
3,954.0	0.63	98.22	3,952.1	-18.6	23.4	-23.2	0.14	-0.14	1.20
4,142.0	1.05	107.29	4,140.1	-19.3	26.1	-25.9	0.23	0.22	4.82
4,330.0	0.81	109.96	4,328.1	-20.2	29.0	-28.8	0.13	-0.13	1.42
4,519.0	0.99	113.86	4,517.1	-21.4	31.7	-31.5	0.10	0.10	2.06
4,710.0	1.32	97.28	4,708.0	-22.3	35.4	-35.2	0.24	0.17	-8.68
4,891.0	1.19	108.25	4,889.0	-23.2	39.2	-39.0	0.15	-0.07	6.06
4,985.0	1.18	101.41	4,982.9	-23.7	41.1	-40.9	0.15	-0.01	-7.28
5,079.0	0.51	124.15	5,076.9	-24.1	42.4	-42.2	0.78	-0.71	24.19
5,173.0	0.40	144.24	5,170.9	-24.6	43.0	-42.7	0.20	-0.12	21.37
5,267.0	0.27	185.10	5,264.9	-25.1	43.1	-42.9	0.28	-0.14	43.47
5,361.0	0.21	180.63	5,358.9	-25.5	43.1	-42.9	0.07	-0.06	-4.76
5,454.0	0.67	322.80	5,451.9	-25.2	42.8	-42.5	0.91	0.49	152.87
5,548.0	0.85	326.98	5,545.9	-24.2	42.1	-41.8	0.20	0.19	4.45
5,642.0	0.80	328.44	5,639.9	-23.0	41.3	-41.1	0.06	-0.05	1.55
5,736.0	0.86	327.44	5,733.9	-21.9	40.6	-40.4	0.07	0.06	-1.06
5,830.0	0.84	323.42	5,827.9	-20.7	39.8	-39.6	0.07	-0.02	-4.28
5,924.0	0.94	324.65	5,921.9	-19.6	39.0	-38.8	0.11	0.11	1.31
6,018.0	0.95	324.04	6,015.9	-18.3	38.1	-37.9	0.02	0.01	-0.65
6,113.0	1.00	322.01	6,110.9	-17.0	37.1	-36.9	0.06	0.05	-2.14
6,207.0	0.90	321.99	6,204.8	-15.8	36.1	-36.0	0.11	-0.11	-0.02
6,300.0	0.86	322.20	6,297.8	-14.6	35.3	-35.1	0.04	-0.04	0.23
6,394.0	0.87	324.28	6,391.8	-13.5	34.4	-34.3	0.04	0.01	2.21
6,488.0	0.89	325.29	6,485.8	-12.3	33.6	-33.4	0.03	0.02	1.07
6,582.0	0.92	320.22	6,579.8	-11.2	32.7	-32.6	0.09	0.03	-5.39
6,676.0	0.86	319.07	6,673.8	-10.0	31.7	-31.6	0.07	-0.06	-1.22
6,770.0	0.89	317.63	6,767.8	-9.0	30.8	-30.7	0.04	0.03	-1.53
6,864.0	0.74	317.29	6,861.8	-8.0	29.9	-29.8	0.16	-0.16	-0.36
6,958.0	0.95	327.93	6,955.8	-6.9	29.0	-29.0	0.28	0.22	11.32
7,052.0	0.92	329.57	7,049.7	-5.6	28.2	-28.2	0.04	-0.03	1.74
7,145.0	0.99	324.48	7,142.7	-4.3	27.4	-27.4	0.12	0.08	-5.47
7,239.0	1.03	328.90	7,236.7	-2.9	26.5	-26.5	0.09	0.04	4.70
7,333.0	0.93	318.35	7,330.7	-1.6	25.6	-25.5	0.22	-0.11	-11.22

Survey Report

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

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)
7,427.0	0.81	317.28	7,424.7	-0.5	24.6	-24.6	0.13	-0.13	-1.14
7,521.0	0.76	306.41	7,518.7	0.3	23.6	-23.6	0.17	-0.05	-11.56
7,615.0	0.68	286.95	7,612.7	0.9	22.6	-22.6	0.27	-0.09	-20.70
7,708.0	0.83	287.13	7,705.7	1.2	21.4	-21.4	0.16	0.16	0.19
7,802.0	0.74	273.86	7,799.7	1.5	20.2	-20.2	0.22	-0.10	-14.12
7,896.0	1.28	81.59	7,893.7	1.7	20.6	-20.6	2.14	0.57	178.44
7,990.0	2.04	85.05	7,987.6	2.0	23.3	-23.3	0.82	0.81	3.68
8,084.0	4.12	91.71	8,081.5	2.0	28.4	-28.4	2.24	2.21	7.09
8,177.0	5.99	97.14	8,174.1	1.3	36.5	-36.5	2.07	2.01	5.84
8,271.0	7.92	92.95	8,267.4	0.4	47.9	-47.9	2.12	2.05	-4.46
8,365.0	9.04	88.84	8,360.4	0.2	61.7	-61.7	1.35	1.19	-4.37
8,459.0	8.65	89.27	8,453.3	0.4	76.2	-76.2	0.42	-0.41	0.46
8,552.0	9.52	90.70	8,545.1	0.4	90.8	-90.8	0.97	0.94	1.54
8,646.0	8.93	92.27	8,637.9	0.0	105.9	-105.9	0.68	-0.63	1.67
8,740.0	7.90	91.98	8,730.9	-0.5	119.6	-119.6	1.10	-1.10	-0.31
8,834.0	6.71	89.67	8,824.1	-0.7	131.6	-131.6	1.30	-1.27	-2.46
8,928.0	6.92	91.03	8,917.4	-0.8	142.7	-142.7	0.28	0.22	1.45
9,022.0	7.29	90.55	9,010.7	-0.9	154.4	-154.4	0.40	0.39	-0.51
9,115.0	7.38	86.33	9,103.0	-0.6	166.2	-166.2	0.59	0.10	-4.54
9,210.0	8.02	87.35	9,197.1	0.1	178.9	-178.9	0.69	0.67	1.07
9,304.0	8.14	89.53	9,290.2	0.5	192.1	-192.1	0.35	0.13	2.32
9,398.0	7.91	85.25	9,383.2	1.1	205.2	-205.2	0.68	-0.24	-4.55
9,492.0	6.91	87.71	9,476.5	1.8	217.3	-217.4	1.12	-1.06	2.62
9,586.0	6.05	93.59	9,569.9	1.7	227.9	-227.9	1.15	-0.91	6.26
9,679.0	7.02	94.66	9,662.3	1.0	238.5	-238.5	1.05	1.04	1.15
9,773.0	7.27	93.93	9,755.5	0.1	250.2	-250.1	0.28	0.27	-0.78
9,867.0	6.75	94.39	9,848.8	-0.7	261.6	-261.6	0.56	-0.55	0.49
9,961.0	5.33	97.37	9,942.3	-1.7	271.4	-271.4	1.55	-1.51	3.17
10,055.0	3.45	111.09	10,036.0	-3.3	278.4	-278.4	2.28	-2.00	14.60
10,115.0	1.90	134.12	10,096.0	-4.6	280.8	-280.7	3.09	-2.58	38.38
10,149.0	1.81	143.88	10,129.9	-5.5	281.5	-281.5	0.96	-0.26	28.71
10,181.0	2.43	193.60	10,161.9	-6.5	281.7	-281.6	5.84	1.94	155.38
10,212.0	5.20	251.36	10,192.9	-7.6	280.2	-280.1	14.23	8.94	186.32
10,243.0	8.99	278.00	10,223.6	-7.7	276.4	-276.4	15.88	12.23	85.94
10,274.0	12.52	283.98	10,254.1	-6.6	270.8	-270.7	11.93	11.39	19.29
10,306.0	14.69	283.18	10,285.2	-4.8	263.5	-263.4	6.81	6.78	-2.50
10,337.0	14.95	281.71	10,315.1	-3.1	255.7	-255.7	1.47	0.84	-4.74
10,368.0	18.30	274.30	10,344.8	-1.9	247.0	-246.9	12.77	10.81	-23.90
10,400.0	22.33	268.59	10,374.9	-1.7	235.9	-235.8	14.02	12.59	-17.84
10,431.0	24.38	266.21	10,403.3	-2.3	223.6	-223.6	7.28	6.61	-7.68
10,462.0	27.20	269.21	10,431.2	-2.8	210.1	-210.1	10.02	9.10	9.68
10,494.0	30.95	270.62	10,459.2	-2.8	194.6	-194.5	11.91	11.72	4.41
10,525.0	34.49	271.04	10,485.3	-2.6	177.8	-177.8	11.44	11.42	1.35

Survey Report

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Project:	Lea County, New Mexico	TVD Reference:	KB @ 3671.4usft
Site:	Speakeasy Federal Unit 3H	MD Reference:	KB @ 3671.4usft
Well:	SFU 3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

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10,556.0	38.03	270.81	10,510.3	-2.3	159.5	-159.5	11.43	11.42	-0.74	
10,588.0	39.84	269.97	10,535.1	-2.1	139.4	-139.3	5.89	5.66	-2.63	
10,619.0	41.69	269.61	10,558.6	-2.2	119.1	-119.1	6.02	5.97	-1.16	
10,712.0	52.35	269.66	10,621.9	-2.6	51.2	-51.2	11.46	11.46	0.05	
10,806.0	59.29	265.92	10,674.7	-5.7	-26.4	26.5	8.08	7.38	-3.98	
10,900.0	66.45	263.98	10,717.6	-13.1	-109.7	109.8	7.83	7.62	-2.06	
10,993.0	74.01	262.34	10,749.0	-23.6	-196.5	196.8	8.30	8.13	-1.76	
11,024.0	76.79	263.89	10,756.8	-27.2	-226.3	226.6	10.19	8.97	5.00	
11,055.0	81.25	265.83	10,762.7	-29.9	-256.6	256.9	15.64	14.39	6.26	
11,086.0	85.83	267.34	10,766.2	-31.7	-287.3	287.6	15.55	14.77	4.87	
11,117.0	87.41	268.15	10,768.0	-33.0	-318.3	318.6	5.73	5.10	2.61	
11,180.0	90.30	269.62	10,769.3	-34.2	-381.2	381.6	5.15	4.59	2.33	
11,248.6	91.50	270.04	10,768.2	-34.4	-449.8	450.1	1.86	1.76	0.61	
SFU 3H FTP										
11,274.0	91.95	270.19	10,767.4	-34.3	-475.2	475.5	1.86	1.76	0.61	
11,368.0	89.33	270.36	10,766.4	-33.9	-569.2	569.5	2.79	-2.79	0.18	
11,462.0	88.22	269.46	10,768.4	-34.0	-663.2	663.5	1.52	-1.18	-0.96	
11,556.0	87.01	270.81	10,772.3	-33.8	-757.1	757.4	1.93	-1.29	1.44	
11,650.0	88.93	270.97	10,775.6	-32.4	-851.0	851.3	2.05	-2.04	0.17	
11,743.0	88.49	269.91	10,777.7	-31.6	-944.0	944.3	1.23	-0.47	-1.14	
11,837.0	91.28	270.83	10,777.9	-31.0	-1,038.0	1,038.2	3.13	2.97	0.98	
11,931.0	91.28	270.22	10,775.8	-30.2	-1,131.9	1,132.2	0.65	0.00	-0.65	
12,025.0	91.24	269.69	10,773.8	-30.2	-1,225.9	1,226.2	0.57	-0.04	-0.56	
12,119.0	91.08	269.14	10,771.9	-31.2	-1,319.9	1,320.1	0.61	-0.17	-0.59	
12,213.0	91.14	268.98	10,770.0	-32.7	-1,413.9	1,414.1	0.18	0.06	-0.17	
12,308.0	91.41	270.86	10,767.9	-32.9	-1,508.8	1,509.1	2.00	0.28	1.98	
12,402.0	91.91	270.87	10,765.2	-31.5	-1,602.8	1,603.0	0.53	0.53	0.01	
12,496.0	90.50	270.44	10,763.2	-30.4	-1,696.8	1,697.0	1.57	-1.50	-0.46	
12,590.0	90.50	269.78	10,762.4	-30.2	-1,790.8	1,791.0	0.70	0.00	-0.70	
12,684.0	90.91	269.12	10,761.2	-31.1	-1,884.7	1,885.0	0.83	0.44	-0.70	
12,778.0	89.23	269.05	10,761.1	-32.6	-1,978.7	1,979.0	1.79	-1.79	-0.07	
12,872.0	89.29	268.76	10,762.3	-34.4	-2,072.7	2,072.9	0.32	0.06	-0.31	
12,966.0	88.82	270.03	10,763.9	-35.4	-2,166.7	2,166.9	1.44	-0.50	1.35	
13,060.0	88.66	269.63	10,766.0	-35.7	-2,260.7	2,260.9	0.46	-0.17	-0.43	
13,154.0	88.79	268.86	10,768.1	-36.9	-2,354.6	2,354.9	0.83	0.14	-0.82	
13,248.0	88.22	270.40	10,770.5	-37.5	-2,448.6	2,448.8	1.75	-0.61	1.64	
13,342.0	87.79	269.70	10,773.8	-37.4	-2,542.5	2,542.8	0.87	-0.46	-0.74	
13,436.0	88.02	269.20	10,777.2	-38.3	-2,636.5	2,636.7	0.59	0.24	-0.53	
13,530.0	87.75	271.13	10,780.7	-38.1	-2,730.4	2,730.6	2.07	-0.29	2.05	
13,624.0	87.85	270.94	10,784.3	-36.4	-2,824.3	2,824.5	0.23	0.11	-0.20	
13,718.0	88.83	271.19	10,787.0	-34.6	-2,918.3	2,918.5	1.08	1.04	0.27	
13,812.0	89.43	271.63	10,788.4	-32.3	-3,012.2	3,012.4	0.79	0.64	0.47	
13,906.0	89.40	270.92	10,789.4	-30.2	-3,106.2	3,106.3	0.76	-0.03	-0.76	
14,000.0	89.60	270.91	10,790.2	-28.7	-3,200.2	3,200.3	0.21	0.21	-0.01	

Survey Report

Company:	OXY	Local Co-ordinate Reference:	Well SFU 3H
Project:	Lea County, New Mexico	TVD Reference:	KB @ 3671.4usft
Site:	Speakeasy Federal Unit 3H	MD Reference:	KB @ 3671.4usft
Well:	SFU 3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

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)
14,094.0	89.40	269.65	10,791.0	-28.3	-3,294.2	3,294.3	1.36	-0.21	-1.34
14,188.0	90.44	269.45	10,791.2	-29.0	-3,388.2	3,388.3	1.13	1.11	-0.21
14,282.0	91.21	268.63	10,789.8	-30.6	-3,482.1	3,482.3	1.20	0.82	-0.87
14,376.0	91.51	267.89	10,787.6	-33.4	-3,576.1	3,576.2	0.85	0.32	-0.79
14,471.0	90.60	268.98	10,785.8	-36.0	-3,671.0	3,671.2	1.49	-0.96	1.15
14,565.0	90.27	267.92	10,785.1	-38.6	-3,765.0	3,765.2	1.18	-0.35	-1.13
14,659.0	90.07	268.87	10,784.8	-41.2	-3,858.9	3,859.2	1.03	-0.21	1.01
14,752.0	89.20	270.79	10,785.4	-41.5	-3,951.9	3,952.1	2.27	-0.94	2.06
14,846.0	89.26	270.15	10,786.7	-40.7	-4,045.9	4,046.1	0.68	0.06	-0.68
14,940.0	91.61	269.68	10,786.0	-40.8	-4,139.9	4,140.1	2.55	2.50	-0.50
15,034.0	94.54	268.91	10,780.9	-42.0	-4,233.8	4,234.0	3.22	3.12	-0.82
15,128.0	93.39	269.02	10,774.4	-43.7	-4,327.5	4,327.7	1.23	-1.22	0.12
15,221.0	93.57	267.89	10,768.8	-46.2	-4,420.3	4,420.5	1.23	0.19	-1.22
15,314.0	90.94	268.13	10,765.1	-49.4	-4,513.2	4,513.4	2.84	-2.83	0.26
15,408.0	90.03	267.69	10,764.3	-52.8	-4,607.1	4,607.4	1.08	-0.97	-0.47
15,411.5	89.98	267.67	10,764.3	-53.0	-4,610.6	4,610.9	1.53	-1.43	-0.56
SFU 3H LTP									
15,502.0	88.69	267.16	10,765.4	-57.1	-4,701.0	4,701.3	1.53	-1.43	-0.56
15,552.0	88.22	266.58	10,766.7	-59.8	-4,750.9	4,751.3	1.49	-0.94	-1.16
MWD Survey - SFU 3H BHL									
15,612.0	88.22	266.58	10,768.6	-63.4	-4,810.8	4,811.2	0.00	0.00	0.00
Projection to Bit/TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,552.0	10,766.7	-59.8	-4,750.9	MWD Survey
15,612.0	10,768.6	-63.4	-4,810.8	Projection to Bit/TD

Checked By: _____ Approved By: _____ Date: _____



Speakeasy Federal Unit 3H
SFU 3H
Northing: 516803.60
Easting: 714711.30
Plan #2



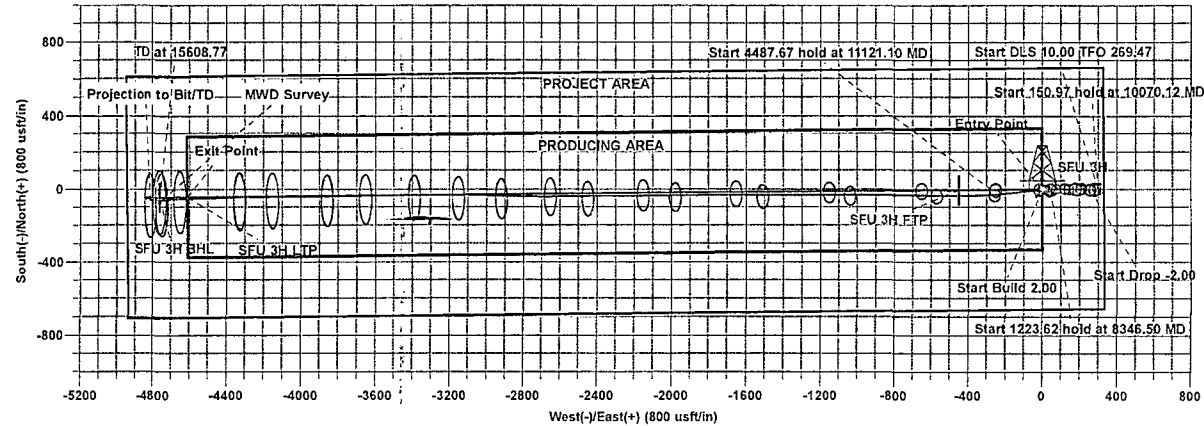
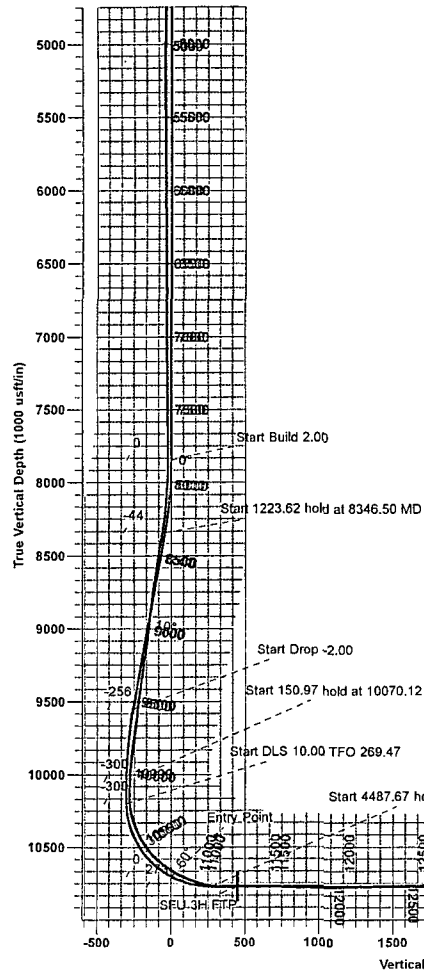
Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.83°

Magnetic Field
Strength: 48377.1nT
Dip Angle: 60.27°
Date: 12/5/2014
Model: IGRF2010

To convert Magnetic North to Grid, Add 6.83°
To convert True North to Grid, Subtract 0.37°



KB @ 3671.4usft
Gr @ 3646.4



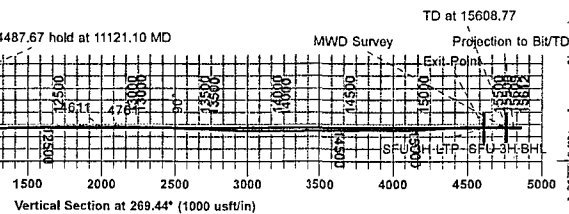
SECTION DETAILS									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
7846.5	0.00	0.00	7846.5	0.0	0.0	0.00	0.00	0.0	
8346.5	10.00	90.00	8344.0	0.0	43.5	2.00	90.00	-43.5	
9570.1	10.00	90.00	9546.0	0.0	256.0	0.00	0.00	-256.0	
10070.1	0.00	0.00	10046.5	0.0	299.5	2.00	180.00	-299.5	
10221.1	0.00	0.00	10197.4	0.0	299.5	0.00	0.00	-299.5	
11121.1	90.00	269.47	10770.4	-5.3	-273.4	10.00	269.47	273.4	
15608.8	90.00	269.47	10770.4	-46.7	-4760.9	0.00	0.00	4761.1	SFU 3H BHL

WELL DETAILS SFU 3H					
Ground Level: 3646.4					
+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	516803.60	714711.30	32° 25' 7.987 N	103° 38' 15.108 W

DESIGN TARGET DETAILS					
Name	TVD	+N-S	+E-W	Northing	Easting
SFU 3H BHL	10770.4	-46.7	-4760.9	516756.92	709950.41
SFU 3H FTP	10770.4	-4.7	-446.9	516798.90	714261.40
SFU 3H LTP	10770.4	-45.3	-4610.9	516759.30	710100.40

SITE DETAILS: Speakeasy Federal Unit 3H	
Site Centre Northing: 516803.60	
Easting: 714711.30	
Positional Uncertainty: 0.0	
Convergence: 0.37	
Local North: Grid	

PROJECT DETAILS:	
Lea County, New Mexico	
Geodetic System: US State Plane 1927 (Exact solution)	
Datum: NAD 1927 (NADCON CONUS)	
Ellipsoid: Clarke 1866	
Zone: New Mexico East 3001	
System Datum: Mean Sea Level	



OXY USA INC.
Speak Easy Federal Unit 3H
API No. 30-025-42265

14-3/4" hole @ 1008'
11-3/4" csg @ 1008'
w/690sx-TOC-Surf-Circ.

10-5/8" hole @ 4773'
8-5/8" csg @ 4773'
w/ 1190sx-TOC-Surf-Circ.

7-7/8" hole @ 15612'
5-1/2" csg @ 15612'
w/ 2030sx-TOC-Surf-Circ.

2-7/8" tbg & pkr @ 10101'

Perfs @ 11006-15302'

TD- 15612'M 10768'V