



HOBBS OGD
OCT 29 2015
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30-025-42442

Chevron

Lea County, NM (NAD27 NME)
Salado Draw 29 26 33 Fed Com
7H

Wellbore #1 Job #1513167

Survey: Phoenix MWD Surveys

Standard Survey Report

14 June, 2015



NOV 10 2015



Survey Report



Company:	Chevron	Local Co-ordinate Reference:	Well 7H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3274.00usft (Pace X30)
Site:	Salado Draw 29 26 33 Fed Com	MD Reference:	RKB @ 3274.00usft (Pace X30)
Well:	7H	North Reference:	Grid
Wellbore:	Wellbore #1 Job #1513167	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Pace X30)	Database:	Compass 5000 GCR

Project	Lea County, NM (NAD27 NME)		
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	Salado Draw 29 26 33 Fed Com		
Site Position:		Northing:	372,173.00 usft
From:	Map	Easting:	727,838.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 15.91374 N
		Longitude:	103° 35' 53.52012 W
		Grid Convergence:	0.39 °

Well	7H		
Well Position	+N/-S	0.00 usft	Northing: 372,254.00 usft
	+E/-W	0.00 usft	Easting: 730,435.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 1' 16.53946 N
		Longitude:	103° 35' 23.35004 W
		Ground Level:	3,247.00 usft

Wellbore	Wellbore #1 Job #1513167				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/20/2015	7.07	59.77	48,085

Design	Surveys (Pace X30)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	176.39	

Survey Program	Date 6/14/2015				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
122.00	16,689.00	Phoenix MWD Surveys (Wellbore #1 Job #	PHX+MWD+HDGM	PHX+MWD+HDGM	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
122.00	0.30	12.81	122.00	0.31	0.07	-0.31	0.25	0.25	0.00	
First Phoenix Survey										
310.00	0.51	316.79	310.00	1.40	-0.39	-1.42	0.23	0.11	-29.80	
499.00	0.79	306.44	498.98	2.79	-2.02	-2.91	0.16	0.15	-5.48	
684.00	0.31	292.51	683.97	3.74	-3.51	-3.95	0.27	-0.26	-7.53	
817.00	0.17	34.72	816.97	4.04	-3.73	-4.26	0.29	-0.11	76.85	
950.00	0.34	54.37	949.97	4.43	-3.29	-4.63	0.14	0.13	14.77	
1,128.00	0.34	72.46	1,127.97	4.90	-2.36	-5.04	0.06	0.00	10.16	
1,305.00	0.34	60.56	1,304.97	5.31	-1.40	-5.39	0.04	0.00	-6.72	
1,483.00	0.31	39.65	1,482.96	5.94	-0.63	-5.97	0.07	-0.02	-11.75	



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Well:	7H	North Reference:	Grid
Wellbore:	Wellbore #1 Job #1513167	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Pace X30)	Database:	Compass 5000 GCR

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)
1,660.00	0.34	32.86	1,659.96	6.75	-0.04	-6.74	0.03	0.02	-3.84
1,837.00	0.51	14.29	1,836.96	7.96	0.44	-7.91	0.12	0.10	-10.49
2,014.00	0.70	54.08	2,013.95	9.35	1.51	-9.24	0.25	0.11	22.48
2,191.00	2.80	105.07	2,190.86	8.87	6.56	-8.43	1.37	1.19	28.81
2,369.00	4.46	86.63	2,368.50	8.14	17.66	-7.01	1.13	0.93	-10.36
2,547.00	4.86	81.40	2,545.91	9.68	32.03	-7.64	0.33	0.22	-2.94
2,724.00	4.76	81.74	2,722.29	11.85	46.71	-8.89	0.06	-0.06	0.19
2,902.00	4.90	81.00	2,899.66	14.10	61.53	-10.20	0.09	0.08	-0.42
3,079.00	4.75	83.00	3,076.03	16.18	76.27	-11.34	0.13	-0.08	1.13
3,256.00	4.47	80.35	3,252.46	18.23	90.34	-12.50	0.20	-0.16	-1.50
3,433.00	4.50	79.10	3,428.92	20.70	103.96	-14.11	0.06	0.02	-0.71
3,611.00	5.05	83.89	3,606.30	22.85	118.61	-15.34	0.38	0.31	2.69
3,788.00	5.36	80.60	3,782.57	25.03	134.51	-16.51	0.24	0.18	-1.86
3,965.00	4.07	74.17	3,958.97	28.09	148.71	-18.67	0.79	-0.73	-3.63
4,142.00	3.98	72.44	4,135.53	31.66	160.61	-21.49	0.09	-0.05	-0.98
4,320.00	4.37	77.61	4,313.06	34.98	173.12	-24.01	0.30	0.22	2.90
4,497.00	3.17	89.54	4,489.68	36.47	184.60	-24.77	0.81	-0.68	6.74
4,675.00	3.88	82.52	4,667.34	37.29	195.50	-24.91	0.47	0.40	-3.94
4,792.00	3.88	97.26	4,784.07	37.30	203.35	-24.43	0.85	0.00	12.60
4,949.00	2.99	95.39	4,940.79	36.25	212.69	-22.78	0.57	-0.57	-1.19
5,127.00	2.98	94.15	5,118.55	35.48	221.93	-21.43	0.04	-0.01	-0.70
5,304.00	2.76	97.05	5,295.33	34.62	230.75	-20.02	0.15	-0.12	1.64
5,482.00	2.04	52.21	5,473.18	36.04	237.51	-21.01	1.09	-0.40	-25.19
5,659.00	2.81	57.83	5,650.02	40.28	243.67	-24.86	0.45	0.44	3.18
5,837.00	2.87	69.20	5,827.81	44.18	251.53	-28.26	0.32	0.03	6.39
6,014.00	2.59	64.21	6,004.61	47.50	259.27	-31.08	0.21	-0.16	-2.82
6,192.00	2.18	63.90	6,182.45	50.74	265.93	-33.89	0.23	-0.23	-0.17
6,369.00	1.98	59.23	6,359.34	53.78	271.58	-36.57	0.15	-0.11	-2.64
6,547.00	3.31	67.65	6,537.14	57.31	278.98	-39.63	0.78	0.75	4.73
6,724.00	3.24	60.73	6,713.85	61.70	288.07	-43.44	0.23	-0.04	-3.91
6,902.00	2.58	60.96	6,891.62	66.10	295.96	-47.34	0.37	-0.37	0.13
7,079.00	1.92	62.05	7,068.49	69.43	302.06	-50.27	0.37	-0.37	0.62
7,256.00	4.10	63.89	7,245.23	73.60	310.36	-53.91	1.23	1.23	1.04
7,434.00	3.43	66.10	7,422.85	78.56	320.94	-58.19	0.39	-0.38	1.24
7,611.00	2.57	68.59	7,599.60	82.15	329.48	-61.24	0.49	-0.49	1.41
7,788.00	3.28	81.59	7,776.37	84.34	338.18	-62.88	0.55	0.40	7.34
7,965.00	2.81	85.27	7,953.12	85.44	347.52	-63.39	0.29	-0.27	2.08
8,142.00	2.59	88.67	8,129.93	85.89	355.84	-63.31	0.15	-0.12	1.92
8,320.00	2.48	86.77	8,307.75	86.20	363.70	-63.13	0.08	-0.06	-1.07
8,497.00	1.95	97.68	8,484.62	86.01	370.51	-62.51	0.38	-0.30	6.16
8,675.00	1.68	103.14	8,662.53	85.02	376.05	-61.17	0.18	-0.15	3.07
8,815.00	6.12	152.24	8,802.20	77.94	381.53	-53.76	3.70	3.17	35.07
8,859.00	11.17	160.73	8,845.68	71.84	384.03	-47.51	11.81	11.48	19.30



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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)
8,903.00	14.35	164.42	8,888.59	62.56	386.90	-38.07	7.46	7.23	8.39
8,948.00	19.18	165.74	8,931.67	50.02	390.22	-25.35	10.77	10.73	2.93
8,992.00	23.05	166.83	8,972.71	34.62	393.97	-9.74	8.84	8.80	2.48
9,036.00	27.23	164.49	9,012.53	16.52	398.63	8.61	9.76	9.50	-5.32
9,081.00	30.40	163.02	9,051.95	-4.29	404.71	29.77	7.22	7.04	-3.27
9,125.00	33.73	164.49	9,089.24	-26.72	411.22	52.56	7.77	7.57	3.34
9,169.00	37.34	163.32	9,125.04	-51.28	418.32	77.52	8.35	8.20	-2.66
9,213.00	44.06	164.02	9,158.38	-78.80	426.38	105.49	15.31	15.27	1.59
9,258.00	49.02	162.19	9,189.32	-110.04	435.88	137.26	11.41	11.02	-4.07
9,302.00	56.98	161.80	9,215.78	-143.43	446.74	171.27	18.10	18.09	-0.89
9,346.00	63.56	162.80	9,237.59	-179.81	458.34	208.31	15.08	14.95	2.27
9,391.00	71.47	165.97	9,254.79	-219.82	469.49	248.95	18.74	17.58	7.04
9,435.00	78.39	170.18	9,266.22	-261.36	478.24	290.96	18.24	15.73	9.57
9,481.00	86.73	175.04	9,272.18	-306.55	484.08	336.42	20.93	18.13	10.57
9,525.00	90.39	177.76	9,273.29	-350.43	486.84	380.39	10.36	8.32	6.18
9,570.00	89.75	177.28	9,273.23	-395.39	488.79	425.38	1.78	-1.42	-1.07
9,658.00	89.89	178.54	9,273.51	-483.33	492.00	513.35	1.44	0.16	1.43
9,747.00	91.43	181.56	9,272.48	-572.31	491.92	602.15	3.81	1.73	3.39
9,835.00	91.74	181.10	9,270.05	-660.25	489.88	689.79	0.63	0.35	-0.52
9,924.00	90.31	180.40	9,268.46	-749.23	488.71	778.51	1.79	-1.61	-0.79
10,012.00	89.36	179.85	9,268.71	-837.23	488.52	866.33	1.25	-1.08	-0.63
10,101.00	90.09	179.79	9,269.14	-926.23	488.80	955.16	0.82	0.82	-0.07
10,190.00	89.94	178.62	9,269.11	-1,015.22	490.04	1,044.06	1.33	-0.17	-1.31
10,278.00	91.01	179.04	9,268.38	-1,103.19	491.83	1,131.97	1.31	1.22	0.48
10,367.00	90.36	179.55	9,267.32	-1,192.18	492.93	1,220.85	0.93	-0.73	0.57
10,456.00	89.97	180.42	9,267.06	-1,281.18	492.95	1,309.67	1.07	-0.44	0.98
10,545.00	89.41	181.07	9,267.54	-1,370.17	491.79	1,398.41	0.96	-0.63	0.73
10,633.00	90.64	181.95	9,267.51	-1,458.13	489.48	1,486.06	1.72	1.40	1.00
10,722.00	89.24	182.47	9,267.60	-1,547.07	486.04	1,574.60	1.68	-1.57	0.58
10,810.00	89.72	185.13	9,268.40	-1,634.86	480.21	1,661.85	3.07	0.55	3.02
10,899.00	87.79	183.84	9,270.33	-1,723.56	473.25	1,749.94	2.61	-2.17	-1.45
10,988.00	88.85	182.45	9,272.94	-1,812.39	468.37	1,838.28	1.96	1.19	-1.56
11,077.00	90.06	182.03	9,273.79	-1,901.31	464.90	1,926.81	1.44	1.36	-0.47
11,166.00	90.70	181.37	9,273.20	-1,990.27	462.26	2,015.43	1.03	0.72	-0.74
11,254.00	90.34	179.61	9,272.40	-2,078.26	461.50	2,103.19	2.04	-0.41	-2.00
11,343.00	88.15	178.02	9,273.57	-2,167.22	463.34	2,192.10	3.04	-2.46	-1.79
11,432.00	88.13	177.27	9,276.46	-2,256.10	467.00	2,281.03	0.84	-0.02	-0.84
11,521.00	88.77	179.37	9,278.87	-2,345.02	469.61	2,369.94	2.47	0.72	2.36
11,609.00	89.94	180.24	9,279.86	-2,433.02	469.91	2,457.78	1.66	1.33	0.99
11,698.00	88.46	179.23	9,281.10	-2,522.00	470.32	2,546.61	2.01	-1.66	-1.13
11,787.00	88.44	179.05	9,283.51	-2,610.96	471.65	2,635.48	0.20	-0.02	-0.20
11,875.00	88.41	178.93	9,285.93	-2,698.91	473.20	2,723.35	0.14	-0.03	-0.14
11,964.00	88.88	179.98	9,288.03	-2,787.88	474.05	2,812.20	1.29	0.53	1.18



Survey Report



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Wellbore:	Wellbore #1 Job #1513167	Survey Calculation Method:	Minimum Curvature
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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)
12,053.00	89.81	180.29	9,289.05	-2,876.88	473.84	2,901.00	1.10	1.04	0.35
12,141.00	90.70	180.37	9,288.66	-2,964.87	473.33	2,988.79	1.02	1.01	0.09
12,230.00	92.18	180.97	9,286.42	-3,053.84	472.29	3,077.51	1.79	1.66	0.67
12,318.00	92.03	180.58	9,283.19	-3,141.77	471.10	3,165.20	0.47	-0.17	-0.44
12,407.00	90.84	180.67	9,280.96	-3,230.73	470.13	3,253.92	1.34	-1.34	0.10
12,496.00	90.73	181.10	9,279.74	-3,319.71	468.76	3,342.64	0.50	-0.12	0.48
12,585.00	89.78	178.85	9,279.34	-3,408.71	468.80	3,431.46	2.74	-1.07	-2.53
12,674.00	88.88	179.43	9,280.39	-3,497.69	470.13	3,520.35	1.20	-1.01	0.65
12,762.00	88.41	177.49	9,282.47	-3,585.63	472.50	3,608.26	2.27	-0.53	-2.20
12,851.00	88.21	177.40	9,285.09	-3,674.50	476.46	3,697.21	0.25	-0.22	-0.10
12,940.00	88.54	177.84	9,287.61	-3,763.39	480.16	3,786.15	0.62	0.37	0.49
13,028.00	88.26	177.74	9,290.07	-3,851.29	483.55	3,874.09	0.34	-0.32	-0.11
13,117.00	89.55	178.12	9,291.77	-3,940.21	486.76	3,963.04	1.51	1.45	0.43
13,206.00	89.61	179.76	9,292.43	-4,029.19	488.41	4,051.95	1.84	0.07	1.84
13,294.00	90.81	181.23	9,292.10	-4,117.18	487.65	4,139.72	2.16	1.36	1.67
13,383.00	89.81	181.65	9,291.62	-4,206.15	485.41	4,228.37	1.22	-1.12	0.47
13,472.00	88.26	179.94	9,293.12	-4,295.13	484.18	4,317.09	2.59	-1.74	-1.92
13,560.00	87.76	179.30	9,296.18	-4,383.07	484.76	4,404.90	0.92	-0.57	-0.73
13,649.00	87.87	178.85	9,299.57	-4,471.99	486.20	4,493.73	0.52	0.12	-0.51
13,738.00	90.92	179.79	9,300.51	-4,560.97	487.25	4,582.60	3.59	3.43	1.06
13,827.00	89.86	178.08	9,299.90	-4,649.95	488.91	4,671.51	2.26	-1.19	-1.92
13,915.00	89.41	174.76	9,300.46	-4,737.76	494.40	4,759.49	3.81	-0.51	-3.77
14,004.00	89.75	174.52	9,301.12	-4,826.37	502.71	4,848.45	0.47	0.38	-0.27
14,093.00	89.50	174.86	9,301.70	-4,914.99	510.95	4,937.41	0.47	-0.28	0.38
14,182.00	87.90	175.24	9,303.72	-5,003.63	518.63	5,026.36	1.85	-1.80	0.43
14,270.00	88.85	178.16	9,306.21	-5,091.44	523.69	5,114.31	3.49	1.08	3.32
14,359.00	91.81	179.91	9,305.70	-5,180.41	525.19	5,203.20	3.86	3.33	1.97
14,447.00	92.49	178.75	9,302.40	-5,268.34	526.22	5,291.02	1.53	0.77	-1.32
14,536.00	91.42	180.83	9,299.36	-5,357.28	526.54	5,379.80	2.63	-1.20	2.34
14,625.00	91.20	180.43	9,297.33	-5,446.25	525.56	5,468.54	0.51	-0.25	-0.45
14,713.00	90.86	181.73	9,295.75	-5,534.22	523.91	5,556.23	1.53	-0.39	1.48
14,802.00	90.59	182.28	9,294.62	-5,623.16	520.79	5,644.79	0.69	-0.30	0.62
14,890.00	88.69	179.81	9,295.17	-5,711.13	519.19	5,732.49	3.54	-2.16	-2.81
14,979.00	90.28	181.87	9,295.97	-5,800.11	517.88	5,821.21	2.92	1.79	2.31
15,068.00	89.22	180.27	9,296.36	-5,889.09	516.22	5,909.91	2.16	-1.19	-1.80
15,156.00	87.49	179.30	9,298.89	-5,977.05	516.55	5,997.71	2.25	-1.97	-1.10
15,245.00	88.74	180.46	9,301.82	-6,066.00	516.74	6,086.50	1.92	1.40	1.30
15,334.00	89.64	179.65	9,303.07	-6,154.99	516.65	6,175.30	1.36	1.01	-0.91
15,422.00	90.28	181.49	9,303.14	-6,242.98	515.78	6,263.07	2.21	0.73	2.09
15,511.00	91.01	183.30	9,302.13	-6,331.89	512.06	6,351.57	2.19	0.82	2.03
15,600.00	90.78	183.47	9,300.74	-6,420.72	506.80	6,439.89	0.32	-0.26	0.19
15,688.00	92.27	184.41	9,298.40	-6,508.48	500.76	6,527.10	2.00	1.69	1.07
15,777.00	89.97	181.48	9,296.66	-6,597.33	496.19	6,615.48	4.18	-2.58	-3.29
15,866.00	89.19	179.02	9,297.31	-6,686.32	495.80	6,704.27	2.90	-0.88	-2.76



Survey Report



Company: Chevron
 Project: Lea County, NM (NAD27 NME)
 Site: Salado Draw 29 26 33 Fed Com
 Well: 7H
 Wellbore: Wellbore #1 Job #1513167
 Design: Surveys (Pace X30)

Local Co-ordinate Reference: Well 7H
 TVD Reference: RKB @ 3274.00usft (Pace X30)
 MD Reference: RKB @ 3274.00usft (Pace X30)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass 5000 GCR

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)
15,954.00	90.09	180.81	9,297.87	-6,774.31	495.93	6,792.10	2.28	1.02	2.03
16,043.00	91.43	182.08	9,296.69	-6,863.27	493.69	6,880.74	2.07	1.51	1.43
16,132.00	90.45	180.55	9,295.23	-6,952.23	491.64	6,969.40	2.04	-1.10	-1.72
16,220.00	89.58	177.18	9,295.20	-7,040.20	493.39	7,057.30	3.96	-0.99	-3.83
16,309.00	90.00	176.45	9,295.53	-7,129.07	498.33	7,146.30	0.95	0.47	-0.82
16,398.00	90.39	177.24	9,295.23	-7,217.93	503.23	7,235.29	0.99	0.44	0.89
16,487.00	92.49	178.95	9,292.99	-7,306.84	506.19	7,324.22	3.04	2.36	1.92
16,575.00	92.96	178.42	9,288.81	-7,394.72	508.21	7,412.05	0.80	0.53	-0.60
16,631.00	93.16	177.21	9,285.82	-7,450.60	510.34	7,467.95	2.19	0.36	-2.16
First Phoenix MWD Survey									
16,689.00	93.16	177.21	9,282.62	-7,508.44	513.16	7,525.85	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
122.00	122.00	0.31	0.07	First Phoenix Survey
16,631.00	9,285.82	-7,450.60	510.34	First Phoenix MWD Survey
16,689.00	9,282.62	-7,508.44	513.16	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



**PHOENIX
TECHNOLOGY SERVICES**

July 17, 2015

DO NOT FILE as of 10/23/2014

Chevron USA, Inc.
Attn: Cindy Herrera-Murillo, Rm. 121
1616 W Bender Blvd
Hobbs, NM 88240

Re: Chevron North America Exploration
Salado Draw 29 26 33 Fed Com 7H
Lea County, NM
API #30-025-42442
Job No. 1513167

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the survey certification, surveys, and lease plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 1 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Zak Dawson	7H	122	16,631	04/26/15	06/12/15	MWD

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Claudia Carreon

Claudia Carreon
Operations Administrator

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER

1513167

OPERATOR

Chevron

WELL NAME

Salado Draw 29 26 33 Fed Com 7H

COUNTY & STATE

Lea County, NM

API WELL NUMBER

30-025-42442

PROPOSED DIRECTION

176.39

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
0 ft	.00 ft	.0 ft	.0 ft	.00 ft	.00 ft	Surface

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
26-Apr-15	122 ft	0.30	12.81

SURVEY INSTRUMENT
TYPE

Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
12-Jun-15	16,631 ft	93.16	177.21

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
12-Jun-15	16,689 ft	93.16	177.21

Zak Dawson

PRINT YOUR NAME ABOVE

Zak Dawson

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.67
DECLINATION OR GRID	GRID

6/12/2015

TODAY'S DATE

MWD SUPERVISOR 1

Zak Dawson

DIRECTIONAL DRILLER 1

Keith Scheppler

MWD SUPERVISOR 2

Daniel Johnson

DIRECTIONAL DRILLER 2

Casey Tubbe

12329 Cutten Road

Houston, Texas 77066

(713)337-0609 (Voice), (713)337-0599 (Fax)



QC Wellbore Rpt

Well Name SALADO DRAW 29-26-33 FED COM 007H		Field Name WILDCAT (HOBBS)	Area Delaware Basin	Business Unit Mid-Continent	Location Type Land	Well Class Development	Surface UWI 3002542442
Original RKB (ft) 3,279.60	Current RKB 3,279.60, 4/1/2015	Mud Line Elevation (ft)	Water Depth (ft)	Ground Elevation (ft) 3,247.00	CF Elev (ft)	TH Elev (ft)	Total Depth (ftKB) 16,689.0

Land - Original Hole, 10/27/2015 8:14:41 AM

Original Hole

Wellbore Name Original Hole	Parent Wellbore Original Hole	Kick Off Depth (ftKB) 8,734
Wellbore UWI 300254244200	Wellbore ChevNo PE1704-00	Casing Configuration Class 2

Wellbore Sections

Start Date	End Date	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
4/26/2015 14:30	4/27/2015 03:00	17 1/2	0.0	881.0
5/25/2015 22:00	5/27/2015 18:00	12 1/4	881.0	4,850.0
5/29/2015 10:30	6/12/2015 16:00	8 3/4	4,850.0	16,689.0

