



**PHOENIX
TECHNOLOGY SERVICES**

July 17, 2015

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

Dear District 1 - Hobbs

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

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. Other information required by your office is as follows:

Name & Title 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

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Claudia Carreon

Claudia Carreon
Operations Administrator

Certified mail receipt number: Do not need no certify mail number

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

6/12/2015

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.67
DECLINATION OR GRID	GRID

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)



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





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

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	Latitude:	32° 1' 15.91374 N
From:	Map	Easting:	727,838.00 usft	Longitude:	103° 35' 53.52012 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 "

Well	7H					
Well Position	+N/-S	0.00 usft	Northing:	372,254.00 usft	Latitude:	32° 1' 16.53946 N
	+E/-W	0.00 usft	Easting:	730,435.00 usft	Longitude:	103° 35' 23.35004 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	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	16,688.00	Phoenix MWD Surveys (Wellbore #1 Job #	PHX+MWD+HDGM	PHX+MWD+HDGM	

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



Survey Report



Company: Chevron
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 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
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 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)
1,680.00	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	31.86	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	1.84
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	378.05	-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



Survey Report



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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	-2,078.28	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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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	-5,888.09	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	89.84	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	-6,242.96	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	508.80	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	-3.63
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

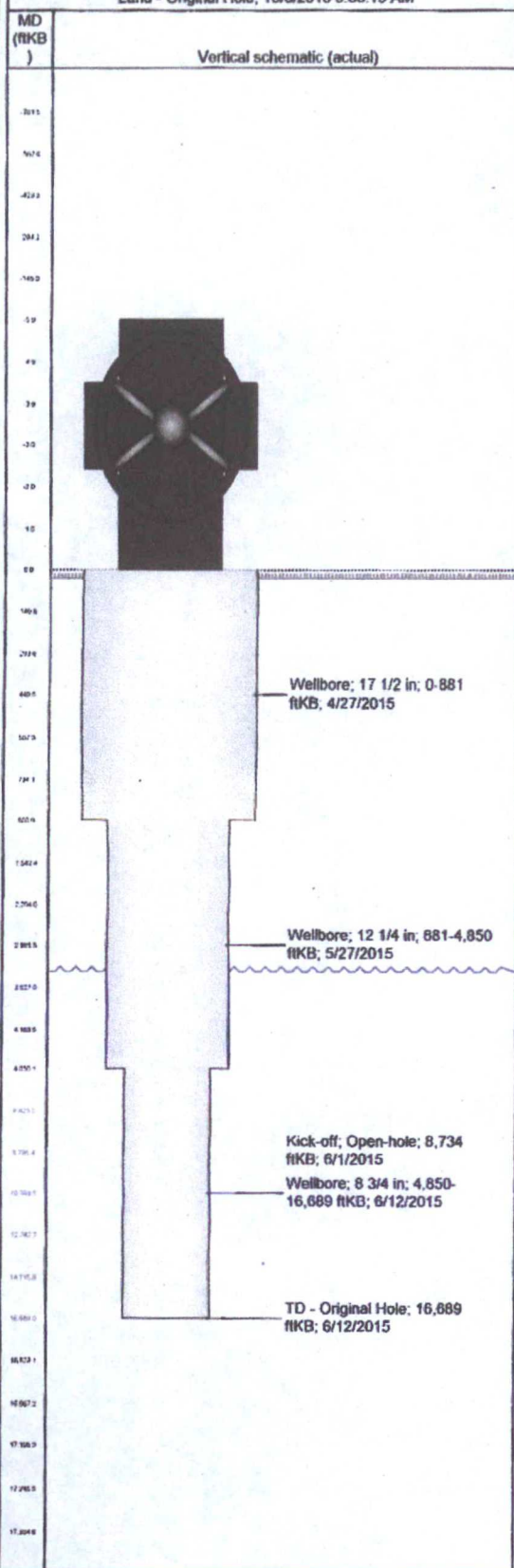
Checked By: _____ Approved By: _____ Date: _____



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, 10/6/2015 9:30:19 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