

Phoenix Technology Services
SURVEY DATA CERTIFICATION

HOBBS OCD

SEP 12 2016



PHOENIX
TECHNOLOGY SERVICES

PHOENIX JOB NUMBER 1610088

RECEIVED
OPERATOR Chevron

WELL NAME SD EA 18 Fed P6 5H

COUNTY & STATE

Lea County, NM

API WELL NUMBER 30-025-42795

PROPOSED DIRECTION 354.12

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
.00 ft	.00 ft	0.0°	0.0°	0.00 N	0.00 E	Surface

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
27-Jan	183 ft	0.5°	78.4°

SURVEY INSTRUMENT TYPE
Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
9-Apr-16	14,156 ft	91.3°	359.1°

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

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
9-Apr-16	14,214 ft	91.3°	359.1°

Lance Mosby

PRINT YOUR NAME ABOVE

Lance Mosby

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.60°
DECLINATION OR GRID	GRID

Saturday, April 09, 2016

TODAY'S DATE

MWD SUPERVISOR 1 Robert Brewer

DIRECTIONAL DRILLER 1 Casey Tubbe

MWD SUPERVISOR 2 Lance Mosby

DIRECTIONAL DRILLER 2 Justin Jackson

12329 Cutten Rd., Houston, Texas 77066

(713)337-0600 (Voice), (713)337-0599 (Fax)



HOBBS OCD

SEP 12 2016

RECEIVED

Chevron

Lea County, NM (NAD27 NME)

SD EA 18 Fed

P6 5H

OH / Job 1610088

Survey: Phoenix MWD Surveys

Standard Survey Report

11 April, 2016





Phoenix Technology Services

Survey Report



Company:	Chevron	Local Co-ordinate Reference:	Well P6 5H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3232.00usft (Pace X30)
Site:	SD EA 18 Fed	MD Reference:	RKB @ 3232.00usft (Pace X30)
Well:	P6 5H	North Reference:	Grid
Wellbore:	OH / Job 1610088	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	SD EA 18 Fed		
Site Position:		Northing:	377,363.00 usft
From:	Map	Easting:	724,737.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 7.48080 N
		Longitude:	103° 36' 29.13299 W
		Grid Convergence:	0.38 °

Well	P6 5H		
Well Position	+N/-S	0.00 usft	Northing: 377,363.00 usft
	+E/-W	0.00 usft	Easting: 724,737.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 2' 7.48080 N
		Longitude:	103° 36' 29.13299 W
		Ground Level:	3,205.00 usft

Wellbore	OH / Job 1610088				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/27/2016	6.98	59.77	48,056

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	354.12

Survey Program	Date	4/11/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
183.00	14,214.00	Phoenix MWD Surveys (OH / Job 1610088)	PHX+MWD+HDGM	PHX+OWSG 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
183.00	0.50	78.40	183.00	0.16	0.78	0.08	0.27	0.27	0.00
First Phoenix Survey									
369.00	1.10	64.40	368.98	1.10	3.19	0.76	0.34	0.32	-7.53
492.00	1.60	60.00	491.94	2.46	5.74	1.86	0.41	0.41	-3.58
676.00	1.90	60.60	675.86	5.25	10.62	4.13	0.16	0.16	0.33
798.00	2.30	65.60	797.78	7.25	14.61	5.72	0.36	0.33	4.10
969.00	2.30	70.80	968.64	9.80	20.98	7.60	0.12	0.00	3.04
1,154.00	0.80	310.80	1,153.59	11.86	23.51	9.39	1.51	-0.81	-64.86
1,339.00	2.40	279.30	1,338.52	13.33	18.71	11.35	0.96	0.86	-17.03
1,520.00	5.00	284.80	1,519.12	15.96	7.34	15.12	1.45	1.44	3.04



Phoenix Technology Services

Survey Report



Company:	Chevron	Local Co-ordinate Reference:	Well P6 5H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3232.00usft (Pace X30)
Site:	SD EA 18 Fed	MD Reference:	RKB @ 3232.00usft (Pace X30)
Well:	P6 5H	North Reference:	Grid
Wellbore:	OH / Job 1610088	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)
1,697.00	5.50	285.70	1,695.38	20.22	-8.29	20.97	0.29	0.28	0.51
1,874.00	6.10	284.20	1,871.47	24.83	-25.57	27.31	0.35	0.34	-0.85
2,051.00	6.80	285.00	2,047.35	29.85	-44.81	34.28	0.40	0.40	0.45
2,228.00	5.40	291.50	2,223.35	35.61	-62.68	41.84	0.88	-0.79	3.67
2,406.00	5.10	294.40	2,400.60	41.95	-77.68	49.68	0.22	-0.17	1.63
2,583.00	4.00	289.30	2,577.04	47.24	-90.67	56.27	0.66	-0.62	-2.88
2,760.00	4.00	286.60	2,753.61	51.04	-102.41	61.26	0.11	0.00	-1.53
2,938.00	4.80	290.00	2,931.09	55.36	-115.36	66.88	0.47	0.45	1.91
3,115.00	4.00	298.50	3,107.56	60.84	-127.74	73.60	0.58	-0.45	4.80
3,292.00	3.90	295.30	3,284.14	66.36	-138.61	80.20	0.14	-0.06	-1.81
3,470.00	2.80	304.00	3,461.84	71.38	-147.69	86.13	0.68	-0.62	4.89
3,647.00	1.70	308.90	3,638.70	75.45	-153.32	90.75	0.63	-0.62	2.77
3,825.00	4.20	298.20	3,816.45	80.18	-161.12	96.26	1.43	1.40	-6.01
4,002.00	5.10	296.90	3,992.87	86.81	-173.85	104.15	0.51	0.51	-0.73
4,179.00	4.60	301.00	4,169.23	94.02	-186.94	112.67	0.34	-0.28	2.32
4,356.00	4.30	304.80	4,345.70	101.46	-198.48	121.25	0.24	-0.17	2.15
4,534.00	3.60	299.90	4,523.27	108.06	-208.80	128.87	0.44	-0.39	-2.75
4,670.00	4.30	300.90	4,658.95	112.81	-216.88	134.42	0.52	0.51	0.74
4,793.00	4.00	297.60	4,781.63	117.16	-224.64	139.55	0.31	-0.24	-2.68
4,970.00	4.20	297.60	4,958.18	123.02	-235.85	146.53	0.11	0.11	0.00
5,147.00	4.50	296.40	5,134.67	129.11	-247.82	153.81	0.18	0.17	-0.68
5,325.00	4.30	293.50	5,312.14	134.88	-260.19	160.81	0.17	-0.11	-1.63
5,502.00	4.40	293.00	5,488.63	140.18	-272.52	167.35	0.06	0.06	-0.28
5,679.00	4.20	291.50	5,665.13	145.21	-284.81	173.60	0.13	-0.11	-0.85
5,856.00	4.10	294.10	5,841.67	150.17	-296.61	179.75	0.12	-0.06	1.47
6,034.00	4.30	293.90	6,019.19	155.47	-308.52	186.24	0.11	0.11	-0.11
6,211.00	4.30	293.50	6,195.69	160.80	-320.67	192.79	0.02	0.00	-0.23
6,389.00	4.20	292.20	6,373.20	165.93	-332.83	199.13	0.08	-0.06	-0.73
6,566.00	4.10	290.60	6,549.74	170.60	-344.75	205.00	0.09	-0.06	-0.90
6,743.00	3.90	286.40	6,726.31	174.53	-356.45	210.11	0.20	-0.11	-2.37
6,921.00	4.00	292.50	6,903.89	178.61	-367.99	215.35	0.24	0.06	3.43
7,098.00	3.30	291.90	7,080.53	182.88	-378.42	220.66	0.40	-0.40	-0.34
7,275.00	3.90	302.10	7,257.18	187.97	-388.25	226.74	0.49	0.34	5.76
7,453.00	3.70	300.50	7,434.79	194.11	-398.33	233.87	0.13	-0.11	-0.90
7,630.00	3.60	284.30	7,611.43	198.38	-408.63	239.17	0.58	-0.06	-9.15
7,807.00	3.50	297.90	7,788.10	202.28	-418.79	244.09	0.48	-0.06	7.68
7,985.00	3.90	301.00	7,965.72	207.94	-428.78	250.75	0.25	0.22	1.74
8,162.00	3.00	296.60	8,142.40	213.11	-438.08	256.85	0.53	-0.51	-2.49
8,340.00	2.80	316.50	8,320.18	218.35	-445.24	262.79	0.57	-0.11	11.18
8,517.00	2.50	303.40	8,496.99	223.61	-451.44	268.66	0.38	-0.17	-7.40
8,695.00	3.30	295.10	8,674.76	227.92	-459.32	273.75	0.51	0.45	-4.66
8,796.00	6.70	333.80	8,775.39	234.45	-464.56	280.78	4.56	3.37	38.32
8,840.00	11.80	346.00	8,818.81	241.12	-466.78	287.64	12.36	11.59	27.73



Phoenix Technology Services

Survey Report



Company:	Chevron	Local Co-ordinate Reference:	Well P6 5H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3232.00usft (Pace X30)
Site:	SD EA 18 Fed	MD Reference:	RKB @ 3232.00usft (Pace X30)
Well:	P6 5H	North Reference:	Grid
Wellbore:	OH / Job 1610088	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)
8,885.00	16.90	353.90	8,862.39	252.10	-468.59	298.75	12.11	11.33	17.56
8,929.00	22.00	353.00	8,903.87	266.65	-470.27	313.39	11.61	11.59	-2.05
8,973.00	25.90	351.80	8,944.07	284.34	-472.65	331.24	8.93	8.86	-2.73
9,018.00	28.50	347.60	8,984.09	304.56	-476.36	351.73	7.18	5.78	-9.33
9,062.00	30.30	347.00	9,022.43	325.63	-481.11	373.18	4.15	4.09	-1.36
9,106.00	31.20	345.60	9,060.24	347.49	-486.44	395.46	2.61	2.05	-3.18
9,151.00	35.50	348.10	9,097.82	371.57	-492.04	420.00	10.03	9.56	5.56
9,195.00	40.60	349.70	9,132.46	398.18	-497.24	447.00	11.80	11.59	3.64
9,239.00	47.30	351.20	9,164.12	428.28	-502.27	477.45	15.41	15.23	3.41
9,284.00	53.50	352.70	9,192.79	462.59	-507.11	512.08	14.01	13.78	3.33
9,328.00	61.10	356.00	9,216.55	499.41	-510.70	549.07	18.39	17.27	7.50
9,372.00	68.20	359.00	9,235.38	539.10	-512.41	588.73	17.27	16.14	6.82
9,424.00	78.60	359.10	9,250.22	588.86	-513.23	638.32	20.00	20.00	0.19
9,504.00	89.10	359.20	9,258.77	668.28	-514.41	717.44	13.13	13.13	0.13
9,593.00	90.80	359.90	9,258.85	757.27	-515.11	806.04	2.07	1.91	0.79
9,682.00	91.40	359.70	9,257.14	846.26	-515.42	894.58	0.71	0.67	-0.22
9,770.00	92.50	359.50	9,254.15	934.20	-516.03	982.13	1.27	1.25	-0.23
9,859.00	93.20	359.30	9,249.72	1,023.09	-516.96	1,070.64	0.82	0.79	-0.22
9,948.00	93.90	359.50	9,244.21	1,111.91	-517.89	1,159.09	0.82	0.79	0.22
10,037.00	93.70	0.00	9,238.31	1,200.71	-518.28	1,247.47	0.60	-0.22	0.56
10,125.00	94.10	359.60	9,232.33	1,288.51	-518.59	1,334.83	0.64	0.45	-0.45
10,214.00	95.60	359.40	9,224.81	1,377.19	-519.36	1,423.12	1.70	1.69	-0.22
10,302.00	95.40	0.00	9,216.37	1,464.78	-519.82	1,510.30	0.72	-0.23	0.68
10,391.00	94.30	0.80	9,208.85	1,553.46	-519.20	1,598.45	1.53	-1.24	0.90
10,481.00	93.00	0.70	9,203.12	1,643.26	-518.02	1,687.67	1.45	-1.44	-0.11
10,570.00	92.80	1.10	9,198.61	1,732.14	-516.63	1,775.93	0.50	-0.22	0.45
10,659.00	92.90	1.10	9,194.19	1,821.01	-514.92	1,864.16	0.11	0.11	0.00
10,748.00	88.90	359.00	9,192.79	1,909.98	-514.84	1,952.65	5.08	-4.49	-2.36
10,836.00	88.60	359.10	9,194.71	1,997.94	-516.30	2,040.31	0.36	-0.34	0.11
10,925.00	89.60	359.30	9,196.11	2,086.92	-517.54	2,128.95	1.15	1.12	0.22
11,014.00	90.80	359.70	9,195.80	2,175.92	-518.32	2,217.55	1.42	1.35	0.45
11,103.00	92.00	359.90	9,193.62	2,264.89	-518.63	2,306.09	1.37	1.35	0.22
11,192.00	92.10	0.20	9,190.44	2,353.83	-518.55	2,394.55	0.36	0.11	0.34
11,281.00	91.70	359.70	9,187.49	2,442.78	-518.63	2,483.05	0.72	-0.45	-0.56
11,370.00	90.40	0.10	9,185.86	2,531.77	-518.79	2,571.58	1.53	-1.46	0.45
11,458.00	90.50	359.50	9,185.17	2,619.76	-519.09	2,659.14	0.69	0.11	-0.68
11,547.00	90.30	358.20	9,184.55	2,708.74	-520.88	2,747.84	1.48	-0.22	-1.46
11,635.00	90.10	357.90	9,184.24	2,796.69	-523.88	2,835.63	0.41	-0.23	-0.34
11,725.00	91.30	359.30	9,183.14	2,886.65	-526.07	2,925.34	2.05	1.33	1.56
11,813.00	90.50	357.50	9,181.76	2,974.60	-528.53	3,013.08	2.24	-0.91	-2.05
11,902.00	90.70	358.30	9,180.82	3,063.54	-531.79	3,101.88	0.93	0.22	0.90
11,990.00	91.70	2.10	9,178.98	3,151.50	-531.49	3,189.35	4.46	1.14	4.32
12,079.00	93.40	2.60	9,175.02	3,240.33	-527.84	3,277.35	1.99	1.91	0.56



Phoenix Technology Services

Survey Report



Company:	Chevron	Local Co-ordinate Reference:	Well P6 5H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3232.00usft (Pace X30)
Site:	SD EA 18 Fed	MD Reference:	RKB @ 3232.00usft (Pace X30)
Well:	P6 5H	North Reference:	Grid
Wellbore:	OH / Job 1610088	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)
12,167.00	92.20	1.60	9,170.72	3,328.17	-524.62	3,364.39	1.77	-1.36	-1.14
12,256.00	91.10	0.40	9,168.16	3,417.11	-523.07	3,452.71	1.83	-1.24	-1.35
12,345.00	88.20	359.30	9,168.70	3,506.10	-523.30	3,541.25	3.48	-3.26	-1.24
12,434.00	89.10	358.60	9,170.80	3,595.06	-524.93	3,629.91	1.28	1.01	-0.79
12,522.00	87.90	357.30	9,173.10	3,682.97	-528.08	3,717.68	2.01	-1.36	-1.48
12,611.00	88.20	358.80	9,176.13	3,771.86	-531.10	3,806.42	1.72	0.34	1.69
12,700.00	89.70	2.70	9,177.76	3,860.82	-529.94	3,894.79	4.69	1.69	4.38
12,788.00	91.60	4.50	9,176.77	3,948.63	-524.41	3,981.57	2.97	2.16	2.05
12,877.00	91.60	2.60	9,174.28	4,037.42	-518.91	4,069.33	2.13	0.00	-2.13
12,966.00	91.20	0.40	9,172.11	4,126.36	-516.58	4,157.57	2.51	-0.45	-2.47
13,055.00	91.70	0.10	9,169.85	4,215.33	-516.19	4,246.03	0.66	0.56	-0.34
13,144.00	91.90	359.50	9,167.06	4,304.29	-516.50	4,334.55	0.71	0.22	-0.67
13,232.00	90.90	359.70	9,164.91	4,392.26	-517.11	4,422.12	1.16	-1.14	0.23
13,321.00	91.20	359.00	9,163.28	4,481.24	-518.12	4,510.73	0.86	0.34	-0.79
13,410.00	90.50	359.10	9,161.96	4,570.21	-519.60	4,599.39	0.79	-0.79	0.11
13,499.00	90.00	358.00	9,161.57	4,659.18	-521.85	4,688.13	1.36	-0.56	-1.24
13,588.00	92.20	358.80	9,159.86	4,748.12	-524.33	4,776.86	2.63	2.47	0.90
13,677.00	91.50	357.90	9,156.99	4,837.04	-526.90	4,865.57	1.28	-0.79	-1.01
13,766.00	88.70	358.30	9,156.83	4,925.98	-529.85	4,954.34	3.18	-3.15	0.45
13,854.00	90.10	359.30	9,157.75	5,013.95	-531.69	5,042.04	1.96	1.59	1.14
13,943.00	91.30	358.20	9,156.67	5,102.92	-533.63	5,130.74	1.83	1.35	-1.24
14,032.00	90.20	359.10	9,155.50	5,191.89	-535.73	5,219.46	1.60	-1.24	1.01
14,121.00	90.80	359.00	9,154.72	5,280.87	-537.20	5,308.12	0.68	0.67	-0.11
14,156.00	91.30	359.10	9,154.08	5,315.86	-537.78	5,342.99	1.46	1.43	0.29
Final Phoenix MWD Survey									
14,214.00	91.30	359.10	9,152.77	5,373.84	-538.69	5,400.75	0.00	0.00	0.00
Projection to TD									

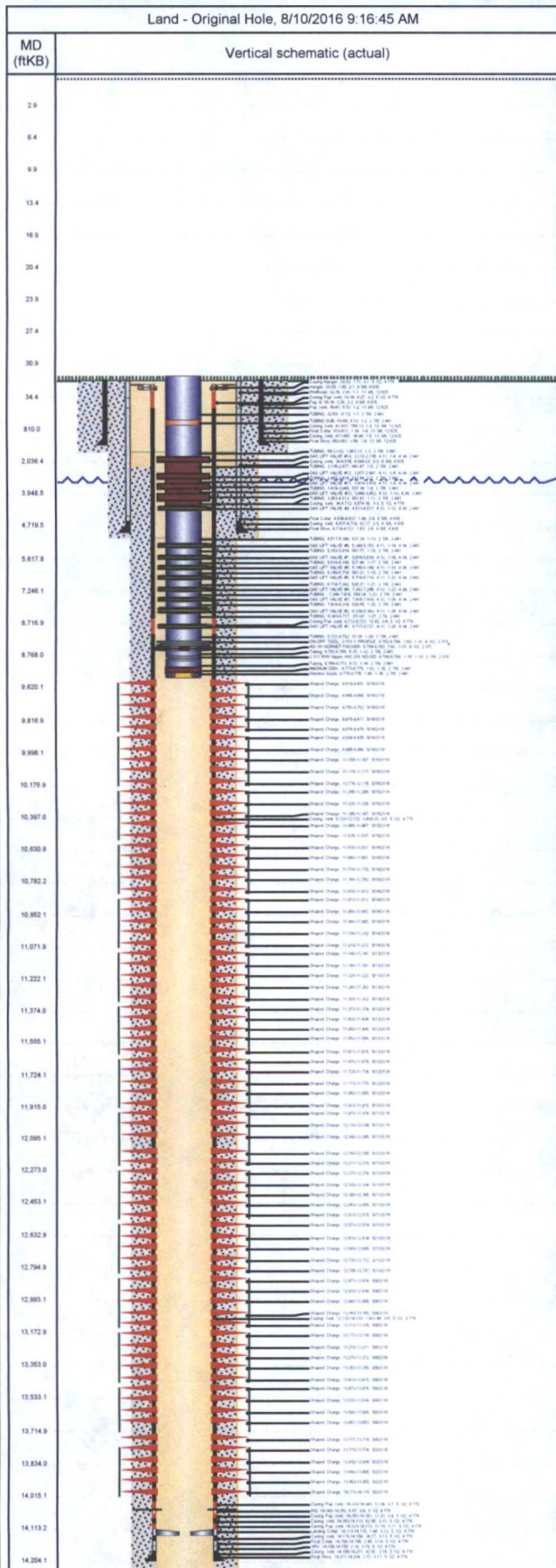
Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
183.00	183.00	0.16	0.78	First Phoenix Survey
14,156.00	9,154.08	5,315.86	-537.78	Final Phoenix MWD Survey
14,214.00	9,152.77	5,373.84	-538.69	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



Wellbore Schematic

Well Name SALADO DRAW EA 18 FED P6 005H	Lease Salado Draw EA 18 Fed P6	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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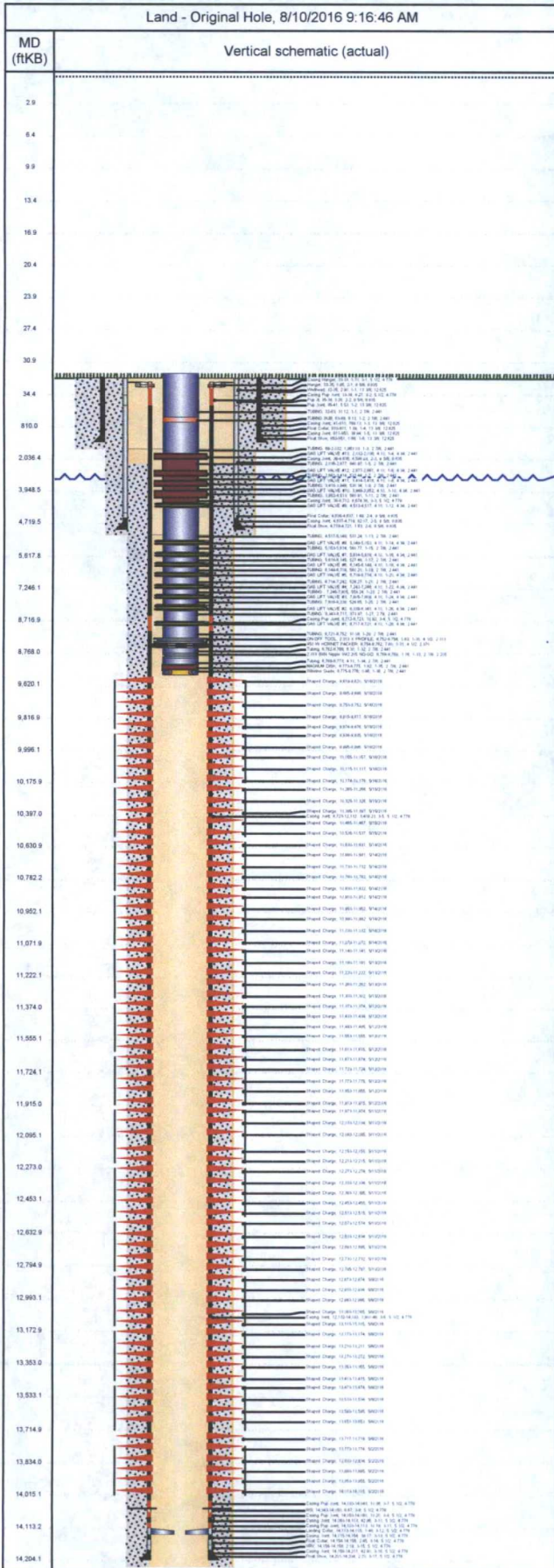


Job Details						
Job Category			Start Date		Rig/Unit End Date	
Completion			4/20/2016		6/1/2016	
Completion			5/26/2016			
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Surface	13 3/8	54.50	J-55		851	
Intermediate Casing 1	9 5/8	40.00	HCK-55	LT&C	4,721	
Production Casing	5 1/2	20.00	P-110		14,204	
Tubing Strings						
Tubing set at 8,775.6ftKB on 5/31/2016 16:00						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Tubing			5/31/2016		8,743.61	8,775.6
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
TUBING	1	2 7/8	6.50	L-80	31.12	63.1
TUBING SUB	1	2 7/8	6.50	L-80	6.13	69.3
TUBING	63	2 7/8	6.50	L-80	1,963.03	2,032.3
GAS LIFT VALVE #13	1	4.335			4.10	2,036.4
TUBING	27	2 7/8	6.50	L-80	840.97	2,877.4
GAS LIFT VALVE #12	1	4.335			4.10	2,881.5
TUBING	17	2 7/8	6.50	L-80	532.44	3,413.9
GAS LIFT VALVE #11	1	4.335			4.10	3,418.0
TUBING	17	2 7/8	6.50	L-80	530.34	3,948.3
GAS LIFT VALVE #10	1	4.335			4.10	3,952.4
TUBING	18	2 7/8	6.50	L-80	560.91	4,513.3
GAS LIFT VALVE #9	1	4.335			4.10	4,517.4
TUBING	17	2 7/8	6.50	L-80	531.24	5,048.7
GAS LIFT VALVE #8	1	4.335			4.10	5,052.8
TUBING	18	2 7/8	6.50	L-80	560.77	5,613.6
GAS LIFT VALVE #7	1	4.335			4.10	5,617.7
TUBING	17	2 7/8	6.50	L-80	527.48	6,145.1
GAS LIFT VALVE #6	1	4.335			4.10	6,149.2
TUBING	18	2 7/8	6.50	L-80	560.20	6,709.4
GAS LIFT VALVE #5	1	4.335			4.10	6,713.5
TUBING	17	2 7/8	6.50	L-80	528.27	7,241.8
GAS LIFT VALVE #4	1	4.335			4.10	7,245.9
TUBING	18	2 7/8	6.50	L-80	559.24	7,805.1
GAS LIFT VALVE #3	1	4.335			4.10	7,809.2
TUBING	17	2 7/8	6.50	L-80	529.65	8,338.9
GAS LIFT VALVE #2	1	4.335			4.10	8,343.0
TUBING	12	2.785	6.50	L-80	373.97	8,717.0
GAS LIFT VALVE #1	1	4.335			4.10	8,721.1
TUBING	1	2 7/8	6.50	L-80	31.08	8,752.1
ON-OFF TOOL, 2.313 X PROFILE	1	4 1/2			1.83	8,754.0
450 W HORNET PACKER	1	4 1/2			7.80	8,761.8
Tubing	1	2 7/8	6.40	L-80	6.30	8,768.1
2.313 BXN Nipple W/2.205 NO-GO	1	2 7/8			1.16	8,769.2
Tubing	1	2 7/8	6.40	L-80	4.10	8,773.3
MAGNUM DISK	1	2 7/8			1.82	8,775.2
Wireline Guide	1	2 7/8			0.46	8,775.6
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone	
5/16/2016	9,619.0	9,620.0	6.0	6	Upper Avalon Shale, Original Hole	
5/16/2016	9,685.0	9,686.0	6.0	6	Upper Avalon Shale, Original Hole	
5/16/2016	9,750.0	9,752.0	6.0	12	Upper Avalon Shale, Original Hole	
5/16/2016	9,815.0	9,817.0	6.0	12	Upper Avalon Shale, Original Hole	
5/16/2016	9,874.0	9,876.0	6.0	12	Upper Avalon Shale, Original Hole	
5/16/2016	9,934.0	9,935.0	6.0	6	Upper Avalon Shale, Original Hole	



Wellbore Schematic

Well Name SALADO DRAW EA 18 FED P6 005H	Lease Salado Draw EA 18 Fed P6	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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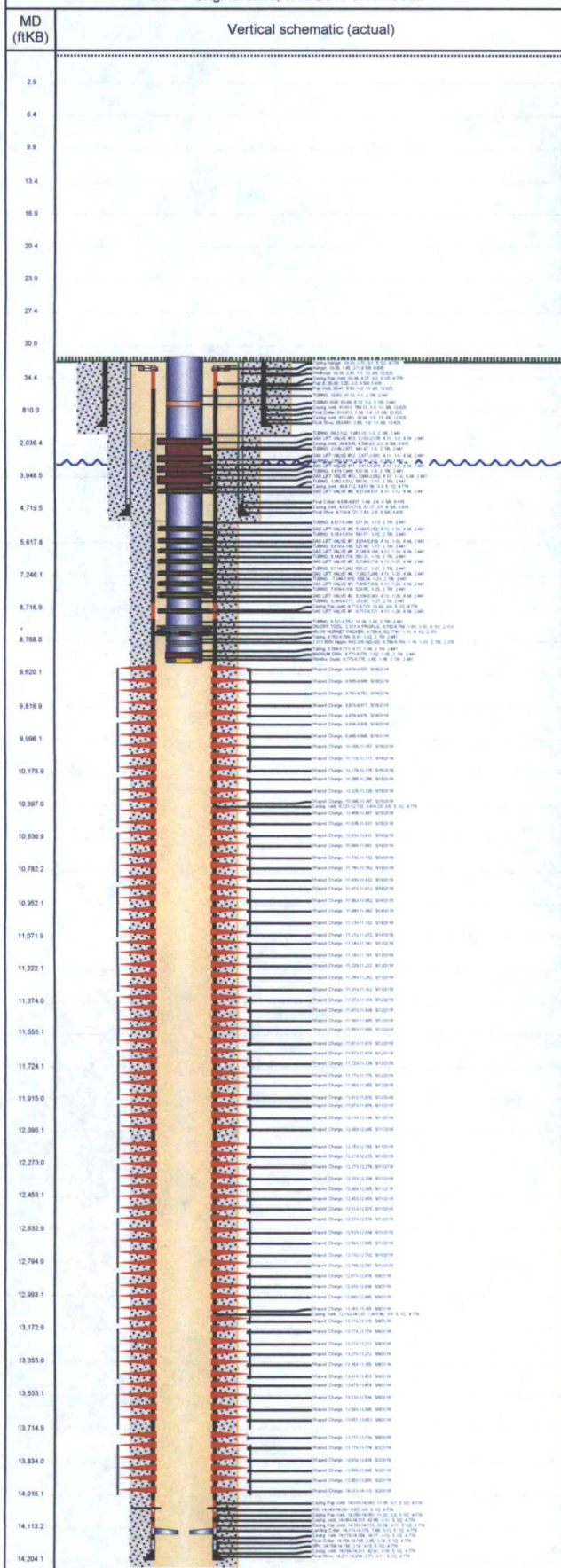
Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
5/16/2016	9,995.0	9,996.0	6.0	6	Upper Avalon Shale, Original Hole
5/16/2016	10,055.0	10,057.0	6.0	12	Upper Avalon Shale, Original Hole
5/16/2016	10,115.0	10,117.0	6.0	12	Upper Avalon Shale, Original Hole
5/16/2016	10,174.0	10,176.0	6.0	12	Upper Avalon Shale, Original Hole
5/15/2016	10,265.0	10,266.0	6.0	6	Upper Avalon Shale, Original Hole
5/15/2016	10,325.0	10,326.0	6.0	6	Upper Avalon Shale, Original Hole
5/15/2016	10,395.0	10,397.0	6.0	12	Upper Avalon Shale, Original Hole
5/15/2016	10,465.0	10,467.0	6.0	12	Upper Avalon Shale, Original Hole
5/15/2016	10,535.0	10,537.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	10,630.0	10,631.0	6.0	6	Upper Avalon Shale, Original Hole
5/14/2016	10,680.0	10,681.0	6.0	6	Upper Avalon Shale, Original Hole
5/14/2016	10,730.0	10,732.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	10,780.0	10,782.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	10,830.0	10,832.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	10,910.0	10,912.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	10,950.0	10,952.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	10,990.0	10,992.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	11,030.0	11,032.0	6.0	12	Upper Avalon Shale, Original Hole
5/14/2016	11,070.0	11,072.0	6.0	12	Upper Avalon Shale, Original Hole
5/13/2016	11,140.0	11,141.0	6.0	6	Upper Avalon Shale, Original Hole
5/13/2016	11,180.0	11,181.0	6.0	6	Upper Avalon Shale, Original Hole
5/13/2016	11,220.0	11,222.0	6.0	12	Upper Avalon Shale, Original Hole
5/13/2016	11,260.0	11,262.0	6.0	12	Upper Avalon Shale, Original Hole
5/13/2016	11,300.0	11,302.0	6.0	12	Upper Avalon Shale, Original Hole
5/12/2016	11,373.0	11,374.0	6.0	6	Upper Avalon Shale, Original Hole
5/12/2016	11,433.0	11,434.0	6.0	6	Upper Avalon Shale, Original Hole
5/12/2016	11,493.0	11,495.0	6.0	12	Upper Avalon Shale, Original Hole
5/12/2016	11,553.0	11,555.0	6.0	12	Upper Avalon Shale, Original Hole
5/12/2016	11,613.0	11,615.0	6.0	12	Upper Avalon Shale, Original Hole
5/12/2016	11,673.0	11,674.0	6.0	6	Upper Avalon Shale, Original Hole
5/12/2016	11,723.0	11,724.0	6.0	6	Upper Avalon Shale, Original Hole
5/12/2016	11,773.0	11,775.0	6.0	12	Upper Avalon Shale, Original Hole
5/12/2016	11,853.0	11,855.0	6.0	12	Upper Avalon Shale, Original Hole
5/12/2016	11,913.0	11,915.0	6.0	12	Upper Avalon Shale, Original Hole
5/11/2016	11,973.0	11,974.0	6.0	6	Upper Avalon Shale, Original Hole
5/11/2016	12,033.0	12,034.0	6.0	6	Upper Avalon Shale, Original Hole
5/11/2016	12,093.0	12,095.0	6.0	12	Upper Avalon Shale, Original Hole
5/11/2016	12,153.0	12,155.0	6.0	12	Upper Avalon Shale, Original Hole
5/11/2016	12,213.0	12,215.0	6.0	12	Upper Avalon Shale, Original Hole
5/11/2016	12,273.0	12,274.0	6.0	6	Upper Avalon Shale, Original Hole
5/11/2016	12,333.0	12,334.0	6.0	6	Upper Avalon Shale, Original Hole
5/11/2016	12,393.0	12,395.0	6.0	12	Upper Avalon Shale, Original Hole
5/11/2016	12,453.0	12,455.0	6.0	12	Upper Avalon Shale, Original Hole
5/11/2016	12,513.0	12,515.0	6.0	12	Upper Avalon Shale, Original Hole
5/10/2016	12,573.0	12,574.0	6.0	6	Upper Avalon Shale, Original Hole
5/10/2016	12,633.0	12,634.0	6.0	6	Upper Avalon Shale, Original Hole
5/10/2016	12,693.0	12,695.0	6.0	12	Upper Avalon Shale, Original Hole
5/10/2016	12,730.0	12,732.0	6.0	12	Upper Avalon Shale, Original Hole
5/10/2016	12,795.0	12,797.0	6.0	12	Upper Avalon Shale, Original Hole
5/9/2016	12,873.0	12,874.0	6.0	6	Upper Avalon Shale, Original Hole
5/9/2016	12,933.0	12,934.0	6.0	6	Upper Avalon Shale, Original Hole
5/9/2016	12,993.0	12,995.0	6.0	12	Upper Avalon Shale, Original Hole
5/9/2016	13,063.0	13,065.0	6.0	12	Upper Avalon Shale, Original Hole
5/9/2016	13,103.0	13,105.0	6.0	12	Upper Avalon Shale, Original Hole
5/8/2016	13,173.0	13,174.0	6.0	6	Upper Avalon Shale, Original Hole
5/8/2016	13,210.0	13,211.0	6.0	6	Upper Avalon Shale, Original Hole
5/8/2016	13,270.0	13,272.0	6.0	12	Upper Avalon Shale, Original Hole
5/8/2016	13,353.0	13,355.0	6.0	12	Upper Avalon Shale, Original Hole



Wellbore Schematic

Well Name SALADO DRAW EA 18 FED P6 005H	Lease Salado Draw EA 18 Fed P6	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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Land - Original Hole, 8/10/2016 9:16:46 AM



Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
5/8/2016	13,413.0	13,415.0	6.0	12	Upper Avalon Shale, Original Hole
5/8/2016	13,473.0	13,474.0	6.0	6	Upper Avalon Shale, Original Hole
5/8/2016	13,533.0	13,534.0	6.0	6	Upper Avalon Shale, Original Hole
5/8/2016	13,593.0	13,595.0	6.0	12	Upper Avalon Shale, Original Hole
5/8/2016	13,651.0	13,653.0	6.0	12	Upper Avalon Shale, Original Hole
5/8/2016	13,717.0	13,719.0	6.0	12	Upper Avalon Shale, Original Hole
5/2/2016	13,773.0	13,774.0	6.0	6	Upper Avalon Shale, Original Hole
5/2/2016	13,833.0	13,834.0	6.0	6	Upper Avalon Shale, Original Hole
5/2/2016	13,893.0	13,895.0	6.0	12	Upper Avalon Shale, Original Hole
5/2/2016	13,953.0	13,955.0	6.0	12	Upper Avalon Shale, Original Hole
5/2/2016	14,013.0	14,015.0	6.0	12	Upper Avalon Shale, Original Hole

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Packer (retrievable)	8,746.0		5/21/2016		Packer
Composite Frac Plug (drop ball)	9,904.0	9,906.0	5/16/2016	5/21/2016	Stage 15
Composite Frac Plug (drop ball)	10,234.0	10,236.0	5/16/2016	5/21/2016	Stage 14
Composite Frac Plug (drop ball)	10,595.0	10,597.0	5/15/2016	5/21/2016	Stage 13
Composite Frac Plug (drop ball)	10,870.0	10,872.0	5/14/2016	5/21/2016	Stage 12
Composite Frac Plug (drop ball)	11,110.0	11,112.0	5/14/2016	5/21/2016	Stage 11
Composite Frac Plug (drop ball)	11,343.0	11,345.0	5/13/2016	5/21/2016	Stage 10
Composite Frac Plug (drop ball)	11,633.0	11,645.0	5/12/2016	5/21/2016	Stage 9 - Moved plug up due to collar
Composite Frac Plug (drop ball)	11,943.0	11,945.0	5/12/2016	5/21/2016	Stage 8
Composite Frac Plug (drop ball)	12,243.0	12,245.0	5/11/2016	5/21/2016	Stage 7
Composite Frac Plug (drop ball)	12,543.0	12,545.0	5/11/2016	5/21/2016	Stage 6 - Moved up 4 ft due to collar
Composite Frac Plug (drop ball)	12,843.0	12,845.0	5/10/2016	5/21/2016	Stage 5
Composite Frac Plug (drop ball)	13,143.0	13,145.0	5/9/2016	5/21/2016	Stage 4
Composite Frac Plug (drop ball)	13,443.0	13,445.0	5/8/2016	5/21/2016	Stage 3
Composite Frac Plug (drop ball)	13,743.0	13,745.0	5/8/2016	5/21/2016	Stage 2