Chevron U.S.A. Inc.

Location: Lea County, NM
Field: Jennings; Bone Springs (Lea County, NM)
Facility: SD WE 24 Fed P23

Slot: SD WE 24 Fed P23 No. 1H
Well: SD WE 24 Federal P23 No. 001H
Wellbore: SD WE 24 Fed P23 No. 1H (AWB)

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	4530.00	11.020	264.510	4491.49	-132.18	-506.57	0.00	-129.64
End of Tangent	4580.00	11.020	264.510	4540.57	-133.09	-516.09	0.00	-130.51
End of 3D Arc	4591.50	11.020	265.111	4551.85	-133.29	-518.27	1.00	-130.69
End of Tangent	6215.53	11.020	265.111	6145.94	-159.75	-827.58	0.00	-155.60
Drop to Zero	7317.53	0.000	359.713	7241.16	-168.75	-932.85	1.00	-164.08
KOP: 100' FSL, 350' FWL	8641.91	0.000	359.713	8565.54	-168.75	-932.85	0.00	-164.08
Landing	9391.43	89.942	359.713	9043.00	308.23	-935.24	12.00	312.91
BHL 180'FNL 350' FWL	19333.73	89.942	359.713	9053.00	10250.40	-985.04	0.00	10255.20

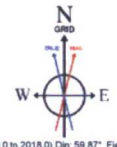
Bottom Hole Location

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
19366.00	90.090	357.890	9055.61	10256.65	-984.64	716241.40	382508.25	32°02'58.952"N	103°38'07.437"W

Plot reference wellpath is SD WE 24 Fed P23 No. 1H (PWP) Rev C.0	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
True vertical depths are referenced to Nabors X-30 (KB)	* = Wellpath was transformed from a different geodetic datum
Measured depths are referenced to Nabors X-30 (KB)	North Reference: Grid north
Nabors X-30 (KB) to Mean Sea Level: 3165.6 feet	Scale: True distance
Mean Sea Level to Ground level (At Slot: SD WE 24 Fed P23 No. 1H): -3133 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: tranlam on 2016-11-03
	Database: WA_Midland

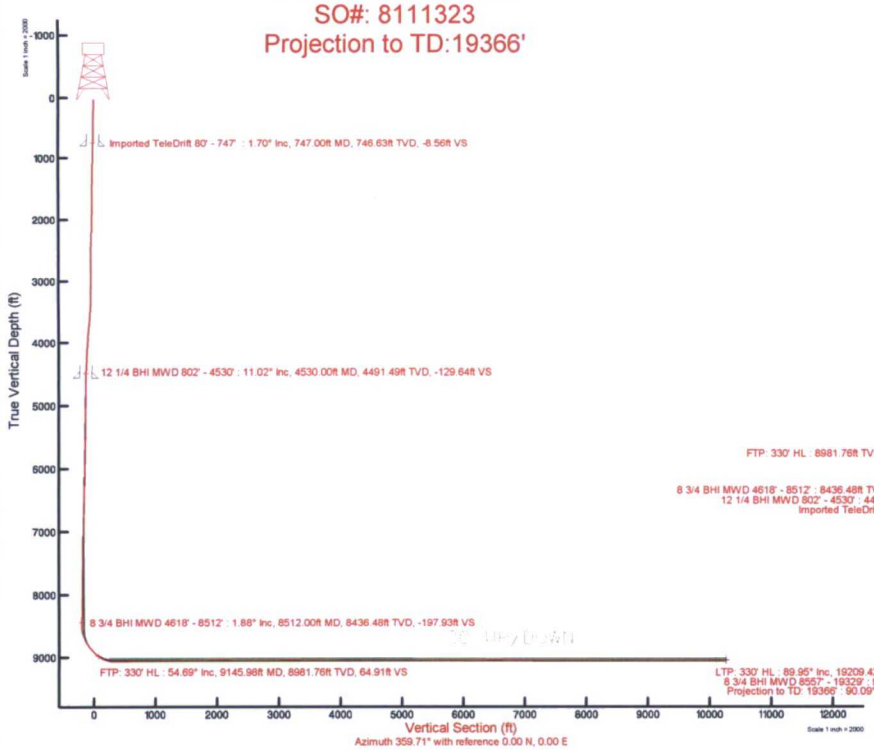
Location Information

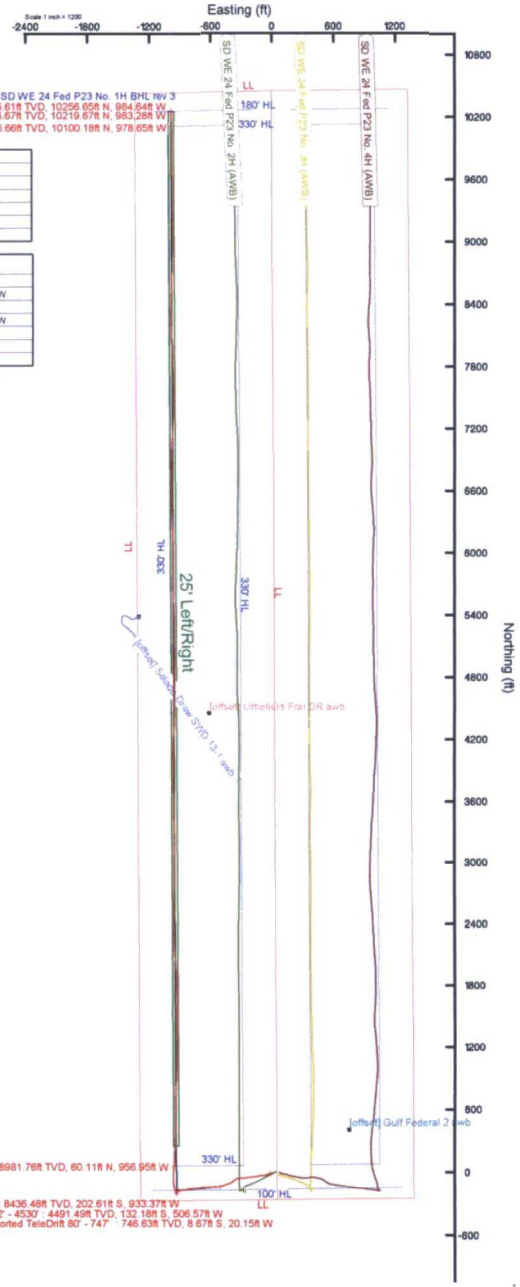
Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SD WE 24 Fed P23			717226.000	372252.000	32°01'17.393"N	103°37'56.771"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SD WE 24 Fed P23 No. 1H	0.00	0.00	717226.000	372252.000	32°01'17.393"N	103°37'56.771"W
Nabors X-30 (KB) to Ground level (At Slot: SD WE 24 Fed P23 No. 1H)					32.6ft	
Mean Sea Level to Ground level (At Slot: SD WE 24 Fed P23 No. 1H)					-3133ft	
Nabors X-30 (KB) to Mean Sea Level					3165.6ft	



BGGM (1900.0 to 2018.0) Dip: 59.87° Field: 47942.1 nT
Magnetic North is 7.11 degrees East of True North (at 10/20/2016)
Grid North is 0.37 degrees East of True North
To correct azimuth from True to Grid subtract 0.37 degrees
To correct azimuth from Magnetic to Grid add 6.74 degrees

Rig: Nabors X30
Location: Lea,New Mexico
API: 30-025-43318-00
8/23/2016-11/20/2016
SO#: 8111323
Projection to TD:19366'





Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Slot	**SD WE 24 Fed P23 No. 1H**
Area	**Lea County, NM**	Well	**SD WE 24 Federal P23 No. 001H**
Field	**Jennings; Bone Springs (Lea County, NM)**	Wellbore	**SD WE 24 Fed P23 No. 1H (AWB)**
Facility	**SD WE 24 Fed P23**		

REPORT SETUP INFORMATION			
Projection System	**NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet**	Software System	**WellArchitect® 5.0**
North Reference	**Grid**	User	**Buiduyh**
Scale	**0.999963**	Report Generated	**01/Dec/2016 at 10:33**
Convergence at slot	**0.38° East**	Database/Source file	**WA_Midland/SD_WE_24_Fed_P23_No._1H_awp_80__-_19329__Proj__19366_.xml**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	**0.00**	**0.00**	717226.00	372252.00	32°01'17.393"N	103°37'56.771"W
Facility Reference Pt			**717226.00**	**372252.00**	32°01'17.393"N	103°37'56.771"W
Field Reference Pt			**152400.30**	**0.00**	30°59'42.846"N	105°26'33.659"W

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Nabors X-30 (KB) to Facility Vertical Datum	**3165.60ft**
Horizontal Reference Pt	**Slot**	Nabors X-30 (KB) to Mean Sea Level	**3165.60ft**
Vertical Reference Pt	**Nabors X-30 (KB)**	Nabors X-30 (KB) to Ground Level at Slot (SD WE 24 Fed P23 No. 1H)	**32.60ft**
MD Reference Pt	**Nabors X-30 (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**359.71°**

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	258.300	0.00	0.00	0.00	0.00	717226.00	372252.00	32°01'17.393"N	103°37'56.771"W	0.00	
32.60	0.000	258.300	32.60	0.00	0.00	0.00	717226.00	372252.00	32°01'17.393"N	103°37'56.771"W	0.00	
80.00	0.900	258.300	80.00	-0.07	-0.08	-0.36	717225.64	372251.92	32°01'17.393"N	103°37'56.775"W	1.90	
171.00	2.400	236.300	170.96	-1.26	-1.28	-2.65	717223.35	372250.72	32°01'17.381"N	103°37'56.802"W	1.76	
337.00	1.900	259.300	336.84	-3.68	-3.72	-8.25	717217.75	372248.28	32°01'17.357"N	103°37'56.867"W	0.59	
439.00	1.700	263.300	438.79	-4.15	-4.21	-11.41	717214.59	372247.79	32°01'17.352"N	103°37'56.904"W	0.23	
615.00	2.100	243.300	614.70	-5.88	-5.96	-16.88	717209.12	372246.04	32°01'17.335"N	103°37'56.968"W	0.44	
747.00	1.700	214.300	746.63	-8.56	-8.67	-20.15	717205.85	372243.34	32°01'17.309"N	103°37'57.006"W	0.78	Imported TeleDrift 80' - 747'
802.00	1.620	236.190	801.61	-9.67	-9.77	-21.25	717204.75	372242.23	32°01'17.298"N	103°37'57.019"W	1.15	
893.00	1.670	223.960	892.57	-11.33	-11.44	-23.24	717202.76	372240.56	32°01'17.282"N	103°37'57.042"W	0.39	
984.00	2.790	243.200	983.50	-13.26	-13.40	-26.14	717199.86	372238.61	32°01'17.262"N	103°37'57.076"W	1.46	
1074.00	4.190	251.610	1073.33	-15.26	-15.42	-31.22	717194.79	372236.58	32°01'17.243"N	103°37'57.135"W	1.65	
1165.00	5.050	255.340	1164.03	-17.29	-17.48	-38.24	717187.76	372234.52	32°01'17.223"N	103°37'57.217"W	1.00	
1254.00	5.320	253.670	1252.67	-19.40	-19.63	-45.99	717180.01	372232.37	32°01'17.202"N	103°37'57.307"W	0.35	
1342.00	5.360	261.170	1340.29	-21.14	-21.41	-53.97	717172.03	372230.59	32°01'17.185"N	103°37'57.400"W	0.79	
1431.00	5.350	266.550	1428.90	-21.99	-22.30	-62.22	717163.78	372229.70	32°01'17.177"N	103°37'57.495"W	0.56	
1519.00	5.450	265.610	1516.51	-22.51	-22.87	-70.48	717155.52	372229.13	32°01'17.172"N	103°37'57.591"W	0.15	
1607.00	5.490	267.170	1604.11	-23.00	-23.39	-78.85	717147.15	372228.61	32°01'17.167"N	103°37'57.689"W	0.17	
1696.00	6.230	265.810	1692.65	-23.52	-23.96	-87.92	717138.08	372228.04	32°01'17.162"N	103°37'57.794"W	0.85	
1784.00	8.140	262.110	1779.95	-24.67	-25.16	-98.86	717127.15	372226.84	32°01'17.151"N	103°37'57.921"W	2.23	
1872.00	9.610	257.510	1866.90	-27.04	-27.61	-112.20	717113.81	372224.40	32°01'17.127"N	103°37'58.076"W	1.85	
1961.00	10.120	261.180	1954.58	-29.77	-30.41	-127.18	717098.83	372221.59	32°01'17.101"N	103°37'58.250"W	0.91	
2049.00	10.210	264.460	2041.20	-31.64	-32.35	-142.58	717083.42	372219.65	32°01'17.082"N	103°37'58.430"W	0.67	
2138.00	10.350	262.640	2128.77	-33.34	-34.14	-158.36	717067.64	372217.87	32°01'17.066"N	103°37'58.613"W	0.40	
2226.00	10.050	259.880	2215.38	-35.63	-36.50	-173.76	717052.25	372215.50	32°01'17.043"N	103°37'58.792"W	0.65	
2315.00	9.960	259.450	2303.03	-38.32	-39.27	-188.97	717037.03	372212.73	32°01'17.017"N	103°37'58.969"W	0.13	
2404.00	10.010	260.340	2390.68	-40.95	-41.98	-204.16	717021.84	372210.02	32°01'16.991"N	103°37'59.145"W	0.18	
2493.00	9.990	262.100	2478.33	-43.24	-44.34	-219.44	717006.57	372207.66	32°01'16.969"N	103°37'59.323"W	0.34	
2670.00	9.050	264.090	2652.89	-46.64	-47.88	-248.49	716977.52	372204.12	32°01'16.935"N	103°37'59.661"W	0.56	
2847.00	7.900	270.260	2827.96	-47.88	-49.26	-274.50	716951.51	372202.74	32°01'16.924"N	103°37'59.963"W	0.83	

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3024.00	7.690	269.130	3003.32	-47.89	-49.38	-298.51	716927.50	372202.62	32°01'16.924"N	103°38'00.242"W	0.15	
3202.00	5.830	261.060	3180.08	-49.37	-50.97	-319.35	716906.66	372201.03	32°01'16.909"N	103°38'00.484"W	1.17	
3379.00	6.480	251.400	3356.06	-53.86	-55.55	-337.70	716888.32	372196.45	32°01'16.865"N	103°38'00.697"W	0.69	
3556.00	7.980	234.540	3531.67	-64.08	-65.87	-357.17	716868.84	372186.14	32°01'16.764"N	103°38'00.924"W	1.46	
3733.00	9.340	233.090	3706.65	-79.72	-81.62	-378.66	716847.35	372170.38	32°01'16.610"N	103°38'01.175"W	0.78	
3910.00	9.670	241.040	3881.23	-95.43	-97.45	-403.16	716822.86	372154.56	32°01'16.455"N	103°38'01.461"W	0.76	
4087.00	10.660	253.400	4055.47	-107.16	-109.32	-431.86	716794.16	372142.68	32°01'16.339"N	103°38'01.795"W	1.35	
4264.00	9.850	250.050	4229.64	-116.85	-119.17	-461.78	716764.24	372132.84	32°01'16.244"N	103°38'02.143"W	0.57	
4441.00	10.040	252.340	4403.98	-126.55	-129.01	-490.71	716735.31	372122.99	32°01'16.148"N	103°38'02.480"W	0.25	
4530.00	11.020	264.510	4491.49	-129.64	-132.18	-506.57	716719.45	372119.83	32°01'16.118"N	103°38'02.665"W	2.72	12 1/4 BHI MWD 802' - 4530'
4618.00	10.750	267.370	4577.91	-130.74	-133.36	-523.14	716702.88	372118.64	32°01'16.107"N	103°38'02.857"W	0.69	
4795.00	10.640	266.690	4751.83	-132.28	-135.06	-555.95	716670.08	372116.94	32°01'16.092"N	103°38'03.238"W	0.09	
4972.00	10.470	265.620	4925.84	-134.28	-137.23	-588.29	716637.73	372114.77	32°01'16.073"N	103°38'03.614"W	0.15	
5149.00	11.980	266.830	5099.45	-136.36	-139.48	-622.67	716603.35	372112.53	32°01'16.053"N	103°38'04.014"W	0.86	
5326.00	11.700	266.450	5272.68	-138.30	-141.60	-658.93	716567.10	372110.40	32°01'16.034"N	103°38'04.435"W	0.16	
5503.00	11.590	265.580	5446.04	-140.61	-144.09	-694.57	716531.46	372107.92	32°01'16.012"N	103°38'04.849"W	0.12	
5681.00	11.060	264.370	5620.57	-143.48	-147.14	-729.39	716496.64	372104.87	32°01'15.984"N	103°38'05.254"W	0.33	
5859.00	10.780	264.860	5795.35	-146.48	-150.31	-762.96	716463.07	372101.70	32°01'15.955"N	103°38'05.644"W	0.17	
6035.00	10.360	264.910	5968.36	-149.20	-153.18	-795.11	716430.92	372098.82	32°01'15.928"N	103°38'06.017"W	0.24	
6212.00	8.780	261.210	6142.90	-152.53	-156.66	-824.32	716401.71	372095.35	32°01'15.896"N	103°38'06.357"W	0.96	
6389.00	8.450	260.240	6317.90	-156.67	-160.93	-850.48	716375.55	372091.08	32°01'15.855"N	103°38'06.661"W	0.20	
6566.00	8.130	258.990	6493.05	-161.14	-165.52	-875.59	716350.45	372086.48	32°01'15.811"N	103°38'06.953"W	0.21	
6742.00	6.190	254.660	6667.67	-165.92	-170.41	-896.95	716329.08	372081.59	32°01'15.764"N	103°38'07.202"W	1.14	
6920.00	3.740	241.490	6844.99	-171.16	-175.72	-911.31	716314.72	372076.28	32°01'15.713"N	103°38'07.369"W	1.51	
7096.00	1.090	236.290	7020.82	-174.79	-179.39	-917.75	716308.28	372072.61	32°01'15.677"N	103°38'07.444"W	1.51	
7273.00	1.060	231.400	7197.79	-176.74	-181.35	-920.43	716305.60	372070.66	32°01'15.658"N	103°38'07.475"W	0.05	
7451.00	1.730	229.620	7375.74	-179.49	-184.12	-923.76	716302.27	372067.89	32°01'15.631"N	103°38'07.514"W	0.38	
7539.00	0.450	153.420	7463.72	-180.65	-185.29	-924.62	716301.41	372066.72	32°01'15.619"N	103°38'07.524"W	1.91	
7628.00	0.710	165.400	7552.72	-181.50	-186.13	-924.33	716301.71	372065.88	32°01'15.611"N	103°38'07.521"W	0.32	
7805.00	0.630	200.190	7729.71	-183.47	-188.11	-924.39	716301.65	372063.90	32°01'15.591"N	103°38'07.521"W	0.23	

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7982.00	1.040	214.670	7906.69	-185.70	-190.34	-925.64	716300.40	372061.67	32°01'15.569"N	103°38'07.536"W	0.26	
8159.00	1.460	214.980	8083.64	-188.86	-193.51	-927.84	716298.19	372058.50	32°01'15.538"N	103°38'07.562"W	0.24	
8335.00	1.790	209.350	8259.57	-193.08	-197.74	-930.47	716295.56	372054.27	32°01'15.496"N	103°38'07.593"W	0.21	
8512.00	1.880	212.090	8436.48	-197.93	-202.61	-933.37	716292.66	372049.40	32°01'15.448"N	103°38'07.627"W	0.07	8 3/4 BHI MWD 4618' - 8512'
8557.00	1.940	215.640	8481.46	-199.17	-203.86	-934.21	716291.83	372048.15	32°01'15.436"N	103°38'07.637"W	0.29	
8646.00	8.620	348.070	8570.16	-193.85	-198.54	-936.47	716289.57	372053.47	32°01'15.489"N	103°38'07.663"W	11.27	
8734.00	18.310	339.870	8655.64	-174.34	-179.06	-942.61	716283.43	372072.94	32°01'15.682"N	103°38'07.732"W	11.20	
8823.00	28.330	343.740	8737.27	-140.80	-145.58	-953.36	716272.68	372106.43	32°01'16.014"N	103°38'07.855"W	11.38	
8912.00	35.300	351.980	8812.89	-94.94	-99.76	-962.87	716263.16	372152.24	32°01'16.468"N	103°38'07.962"W	9.21	
9029.00	42.420	4.680	8904.08	-21.92	-26.75	-964.38	716261.66	372225.25	32°01'17.190"N	103°38'07.974"W	9.11	
9118.00	51.240	4.980	8964.91	42.67	37.87	-958.90	716267.13	372289.87	32°01'17.829"N	103°38'07.905"W	9.91	
9145.98†	54.690	5.042	8981.76	64.91	60.11	-956.95	716269.08	372312.11	32°01'18.050"N	103°38'07.881"W	12.33	FTP: 330' HL
9206.00	62.090	5.160	9013.20	115.76	110.99	-952.41	716273.63	372362.99	32°01'18.553"N	103°38'07.824"W	12.33	
9295.00	73.570	3.120	9046.73	197.80	193.06	-946.53	716279.51	372445.05	32°01'19.364"N	103°38'07.750"W	13.07	
9384.00	85.560	1.600	9062.82	285.07	280.35	-942.95	716283.08	372532.34	32°01'20.228"N	103°38'07.702"W	13.58	
9428.00	90.280	1.320	9064.42	329.01	324.29	-941.83	716284.20	372576.28	32°01'20.663"N	103°38'07.686"W	10.75	
9472.00	90.650	1.040	9064.06	372.99	368.28	-940.93	716285.11	372620.27	32°01'21.098"N	103°38'07.672"W	1.05	
9561.00	90.430	359.960	9063.22	461.98	457.27	-940.15	716285.89	372709.26	32°01'21.979"N	103°38'07.656"W	1.24	
9649.00	90.590	359.940	9062.44	549.97	545.27	-940.23	716285.81	372797.25	32°01'22.849"N	103°38'07.650"W	0.18	
9738.00	90.550	1.000	9061.55	638.96	634.26	-939.50	716286.54	372886.24	32°01'23.730"N	103°38'07.635"W	1.19	
9826.00	90.550	0.860	9060.71	726.94	722.25	-938.07	716287.97	372974.22	32°01'24.600"N	103°38'07.612"W	0.16	
9916.00	90.680	1.960	9059.74	816.89	812.21	-935.86	716290.18	373064.18	32°01'25.491"N	103°38'07.580"W	1.23	
10004.00	92.370	2.580	9057.40	904.77	900.11	-932.37	716293.67	373152.07	32°01'26.360"N	103°38'07.533"W	2.05	
10093.00	90.250	2.430	9055.37	993.63	989.00	-928.48	716297.55	373240.96	32°01'27.240"N	103°38'07.481"W	2.39	
10181.00	90.490	1.280	9054.80	1081.57	1076.95	-925.63	716300.40	373328.90	32°01'28.110"N	103°38'07.441"W	1.33	
10269.00	90.490	1.100	9054.05	1169.54	1164.92	-923.81	716302.23	373416.88	32°01'28.980"N	103°38'07.413"W	0.20	
10358.00	91.080	1.480	9052.83	1258.49	1253.89	-921.80	716304.23	373505.84	32°01'29.860"N	103°38'07.383"W	0.79	
10446.00	90.250	1.250	9051.81	1346.45	1341.86	-919.71	716306.33	373593.81	32°01'30.731"N	103°38'07.352"W	0.98	
10536.00	93.880	359.580	9048.56	1436.37	1431.78	-919.05	716306.98	373683.73	32°01'31.621"N	103°38'07.338"W	4.44	
10624.00	88.580	358.740	9046.67	1524.31	1519.72	-920.34	716305.69	373771.66	32°01'32.491"N	103°38'07.346"W	6.10	

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10713.00	91.480	0.280	9046.63	1613.30	1608.70	-921.11	716304.93	373860.64	32°01'33.371"N	103°38'07.349"W	3.69	
10802.00	91.790	358.220	9044.09	1702.25	1697.66	-922.27	716303.77	373949.59	32°01'34.252"N	103°38'07.355"W	2.34	
10890.00	90.250	356.960	9042.52	1790.18	1785.56	-925.97	716300.07	374037.49	32°01'35.122"N	103°38'07.392"W	2.26	
10983.00	91.790	356.980	9040.87	1883.05	1878.41	-930.88	716295.15	374130.34	32°01'36.041"N	103°38'07.442"W	1.66	
11074.00	89.880	355.810	9039.54	1973.88	1969.22	-936.61	716289.43	374221.14	32°01'36.940"N	103°38'07.502"W	2.46	
11166.00	89.380	355.130	9040.13	2065.63	2060.93	-943.87	716282.17	374312.85	32°01'37.848"N	103°38'07.579"W	0.92	
11257.00	89.570	356.720	9040.97	2156.42	2151.69	-950.34	716275.70	374403.61	32°01'38.746"N	103°38'07.647"W	1.76	
11348.00	89.410	357.940	9041.78	2247.34	2242.59	-954.58	716271.46	374494.50	32°01'39.646"N	103°38'07.690"W	1.35	
11438.00	89.380	359.150	9042.73	2337.31	2332.55	-956.86	716269.18	374584.46	32°01'40.537"N	103°38'07.710"W	1.34	
11529.00	89.850	0.650	9043.34	2428.31	2423.54	-957.02	716269.02	374675.45	32°01'41.437"N	103°38'07.705"W	1.73	
11620.00	89.290	0.400	9044.02	2519.30	2514.54	-956.19	716269.85	374766.44	32°01'42.337"N	103°38'07.688"W	0.67	
11711.00	89.910	1.020	9044.66	2610.28	2605.53	-955.06	716270.98	374857.43	32°01'43.238"N	103°38'07.668"W	0.96	
11802.00	89.720	0.600	9044.95	2701.26	2696.52	-953.77	716272.26	374948.41	32°01'44.138"N	103°38'07.646"W	0.51	
11890.00	91.230	0.930	9044.22	2789.24	2784.50	-952.60	716273.44	375036.40	32°01'45.009"N	103°38'07.626"W	1.76	
11979.00	89.750	0.340	9043.46	2878.22	2873.49	-951.61	716274.43	375125.38	32°01'45.889"N	103°38'07.608"W	1.79	
12067.00	90.180	0.420	9043.52	2966.22	2961.49	-951.03	716275.01	375213.38	32°01'46.760"N	103°38'07.595"W	0.50	
12155.00	92.310	0.760	9041.60	3054.18	3049.46	-950.12	716275.91	375301.34	32°01'47.630"N	103°38'07.577"W	2.45	
12244.00	91.080	359.710	9038.97	3143.14	3138.42	-949.76	716276.28	375390.30	32°01'48.511"N	103°38'07.567"W	1.82	
12332.00	91.140	0.470	9037.27	3231.12	3226.40	-949.62	716276.42	375478.27	32°01'49.381"N	103°38'07.558"W	0.87	
12421.00	86.980	358.240	9038.73	3320.08	3315.36	-950.62	716275.42	375567.23	32°01'50.262"N	103°38'07.563"W	5.30	
12509.00	87.510	358.230	9042.96	3407.95	3403.21	-953.33	716272.71	375655.08	32°01'51.131"N	103°38'07.588"W	0.60	
12598.00	89.200	359.360	9045.51	3496.89	3492.15	-955.20	716270.84	375744.02	32°01'52.011"N	103°38'07.603"W	2.28	
12686.00	90.220	359.570	9045.96	3584.89	3580.15	-956.02	716270.02	375832.01	32°01'52.882"N	103°38'07.606"W	1.18	
12775.00	89.380	358.570	9046.27	3673.88	3669.13	-957.46	716268.57	375920.99	32°01'53.763"N	103°38'07.616"W	1.47	
12863.00	89.630	358.470	9047.03	3761.86	3757.10	-959.74	716266.30	376008.95	32°01'54.633"N	103°38'07.636"W	0.31	
12952.00	89.170	359.570	9047.96	3850.85	3846.08	-961.26	716264.78	376097.93	32°01'55.514"N	103°38'07.647"W	1.34	
13041.00	89.510	0.060	9048.98	3939.84	3935.07	-961.55	716264.49	376186.92	32°01'56.395"N	103°38'07.644"W	0.67	
13130.00	86.550	359.330	9052.04	4028.78	4024.01	-962.02	716264.02	376275.85	32°01'57.275"N	103°38'07.643"W	3.43	
13218.00	88.310	1.270	9055.99	4116.68	4111.91	-961.56	716264.48	376363.75	32°01'58.145"N	103°38'07.631"W	2.97	
13307.00	90.650	2.600	9056.80	4205.60	4200.85	-958.55	716267.48	376452.69	32°01'59.025"N	103°38'07.589"W	3.02	

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13395.00	90.250	2.540	9056.11	4293.49	4288.76	-954.61	716271.43	376540.59	32°01'59.894"N	103°38'07.537"W	0.46	
13484.00	90.550	2.040	9055.48	4382.39	4377.68	-951.05	716274.99	376629.51	32°02'00.774"N	103°38'07.489"W	0.66	
13572.00	90.400	1.030	9054.76	4470.34	4465.65	-948.69	716277.34	376717.47	32°02'01.644"N	103°38'07.455"W	1.16	
13661.00	89.510	358.790	9054.83	4559.34	4554.64	-948.83	716277.20	376806.46	32°02'02.525"N	103°38'07.450"W	2.71	
13750.00	90.030	0.640	9055.18	4648.33	4643.64	-949.28	716276.76	376895.45	32°02'03.406"N	103°38'07.448"W	2.16	
13838.00	91.540	1.210	9053.98	4736.30	4731.61	-947.86	716278.18	376983.43	32°02'04.276"N	103°38'07.425"W	1.83	
13927.00	89.480	359.750	9053.18	4825.28	4820.60	-947.11	716278.93	377072.41	32°02'05.157"N	103°38'07.410"W	2.84	
14015.00	90.620	0.080	9053.11	4913.28	4908.60	-947.24	716278.80	377160.41	32°02'06.027"N	103°38'07.404"W	1.35	
14105.00	89.690	358.780	9052.86	5003.28	4998.59	-948.14	716277.90	377250.40	32°02'06.918"N	103°38'07.408"W	1.78	
14193.00	89.720	358.580	9053.32	5091.26	5086.56	-950.16	716275.87	377338.37	32°02'07.789"N	103°38'07.425"W	0.23	
14282.00	93.020	359.900	9051.19	5180.22	5175.52	-951.34	716274.69	377427.32	32°02'08.669"N	103°38'07.432"W	3.99	
14370.00	92.430	0.610	9047.01	5268.11	5263.42	-950.95	716275.08	377515.21	32°02'09.539"N	103°38'07.421"W	1.05	
14459.00	90.520	357.930	9044.71	5357.07	5352.37	-952.09	716273.95	377604.16	32°02'10.419"N	103°38'07.427"W	3.70	
14547.00	90.180	357.300	9044.18	5445.01	5440.29	-955.75	716270.29	377692.08	32°02'11.289"N	103°38'07.463"W	0.81	
14636.00	90.680	359.440	9043.51	5533.98	5529.24	-958.28	716267.76	377781.03	32°02'12.170"N	103°38'07.486"W	2.47	
14724.00	88.860	358.560	9043.86	5621.96	5617.23	-959.82	716266.22	377869.01	32°02'13.040"N	103°38'07.497"W	2.30	
14813.00	89.510	0.490	9045.13	5710.95	5706.21	-960.55	716265.48	377957.99	32°02'13.921"N	103°38'07.499"W	2.29	
14901.00	89.510	0.720	9045.88	5798.94	5794.20	-959.62	716266.41	378045.98	32°02'14.792"N	103°38'07.482"W	0.26	
14989.00	89.540	0.410	9046.61	5886.92	5882.19	-958.76	716267.28	378133.97	32°02'15.662"N	103°38'07.465"W	0.35	
15078.00	89.200	359.100	9047.59	5975.91	5971.19	-959.14	716266.90	378222.95	32°02'16.543"N	103°38'07.463"W	1.52	
15167.00	89.570	358.770	9048.54	6064.90	6060.16	-960.79	716265.25	378311.93	32°02'17.424"N	103°38'07.475"W	0.56	
15255.00	91.910	358.330	9047.41	6152.87	6148.12	-963.02	716263.02	378399.88	32°02'18.294"N	103°38'07.495"W	2.71	
15343.00	89.780	356.510	9046.11	6240.78	6236.02	-966.98	716259.06	378487.77	32°02'19.164"N	103°38'07.534"W	3.18	
15432.00	93.110	358.040	9043.87	6329.66	6324.87	-971.21	716254.83	378576.63	32°02'20.044"N	103°38'07.577"W	4.12	
15520.00	89.880	354.950	9041.57	6417.47	6412.65	-976.59	716249.45	378664.41	32°02'20.913"N	103°38'07.632"W	5.08	
15609.00	90.250	358.290	9041.47	6506.32	6501.49	-981.83	716244.20	378753.23	32°02'21.792"N	103°38'07.687"W	3.78	
15697.00	89.600	359.560	9041.58	6594.31	6589.47	-983.48	716242.55	378841.21	32°02'22.663"N	103°38'07.699"W	1.62	
15786.00	89.450	0.460	9042.32	6683.31	6678.46	-983.47	716242.57	378930.21	32°02'23.544"N	103°38'07.692"W	1.03	
15874.00	89.510	1.170	9043.12	6771.29	6766.45	-982.22	716243.82	379018.19	32°02'24.414"N	103°38'07.671"W	0.81	
15963.00	89.350	2.140	9044.01	6860.23	6855.41	-979.65	716246.39	379107.14	32°02'25.294"N	103°38'07.635"W	1.10	

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16051.00	89.510	2.290	9044.88	6948.14	6943.34	-976.25	716249.79	379195.07	32°02'26.164"N	103°38'07.589"W	0.25	
16140.00	89.410	2.790	9045.72	7037.03	7032.25	-972.30	716253.74	379283.97	32°02'27.044"N	103°38'07.536"W	0.57	
16228.00	88.650	2.190	9047.21	7124.91	7120.15	-968.48	716257.56	379371.87	32°02'27.913"N	103°38'07.485"W	1.10	
16316.00	89.780	3.170	9048.42	7212.78	7208.04	-964.37	716261.67	379459.76	32°02'28.783"N	103°38'07.431"W	1.70	
16405.00	91.110	2.840	9047.72	7301.63	7296.92	-959.70	716266.34	379548.63	32°02'29.662"N	103°38'07.370"W	1.54	
16493.00	91.730	1.690	9045.54	7389.52	7384.82	-956.22	716269.81	379636.53	32°02'30.532"N	103°38'07.323"W	1.48	
16583.00	89.450	358.950	9044.62	7479.49	7474.80	-955.72	716270.32	379726.51	32°02'31.422"N	103°38'07.310"W	3.96	
16672.00	90.000	358.950	9045.04	7568.48	7563.78	-957.35	716268.69	379815.49	32°02'32.303"N	103°38'07.323"W	0.62	
16761.00	89.570	358.420	9045.38	7657.47	7652.76	-959.39	716266.64	379904.46	32°02'33.183"N	103°38'07.340"W	0.77	
16849.00	89.450	358.560	9046.13	7745.44	7740.72	-961.71	716264.32	379992.42	32°02'34.054"N	103°38'07.360"W	0.21	
16938.00	89.570	358.590	9046.89	7834.42	7829.69	-963.93	716262.11	380081.39	32°02'34.934"N	103°38'07.379"W	0.14	
17026.00	89.540	357.950	9047.58	7922.39	7917.65	-966.58	716259.45	380169.34	32°02'35.805"N	103°38'07.403"W	0.73	
17115.00	88.270	356.530	9049.28	8011.29	8006.53	-970.87	716255.17	380258.21	32°02'36.685"N	103°38'07.446"W	2.14	
17203.00	89.200	357.980	9051.22	8099.18	8094.40	-975.08	716250.96	380346.09	32°02'37.554"N	103°38'07.489"W	1.96	
17292.00	89.230	358.250	9052.44	8188.14	8183.34	-978.01	716248.03	380435.03	32°02'38.435"N	103°38'07.516"W	0.31	
17380.00	89.110	359.160	9053.71	8276.12	8271.31	-980.00	716246.04	380522.99	32°02'39.305"N	103°38'07.533"W	1.04	
17469.00	89.380	0.860	9054.89	8365.10	8360.30	-979.98	716246.06	380611.97	32°02'40.186"N	103°38'07.526"W	1.93	
17558.00	89.540	1.020	9055.72	8454.08	8449.28	-978.52	716247.52	380700.96	32°02'41.066"N	103°38'07.502"W	0.25	
17646.00	89.450	0.870	9056.50	8542.06	8537.27	-977.07	716248.97	380788.94	32°02'41.937"N	103°38'07.479"W	0.20	
17735.00	89.940	1.160	9056.97	8631.03	8626.25	-975.49	716250.55	380877.92	32°02'42.817"N	103°38'07.454"W	0.64	
17823.00	91.110	1.350	9056.17	8718.99	8714.23	-973.57	716252.47	380965.89	32°02'43.688"N	103°38'07.425"W	1.35	
17912.00	90.950	2.200	9054.57	8807.92	8803.17	-970.81	716255.23	381054.83	32°02'44.568"N	103°38'07.386"W	0.97	
18000.00	90.220	2.720	9053.67	8895.81	8891.08	-967.03	716259.01	381142.74	32°02'45.438"N	103°38'07.335"W	1.02	
18089.00	89.910	0.740	9053.57	8984.75	8980.04	-964.35	716261.69	381231.69	32°02'46.318"N	103°38'07.297"W	2.25	
18177.00	90.280	0.090	9053.42	9072.75	9068.03	-963.71	716262.33	381319.68	32°02'47.188"N	103°38'07.283"W	0.85	
18266.00	89.750	358.190	9053.40	9161.74	9157.02	-965.04	716260.99	381408.66	32°02'48.069"N	103°38'07.292"W	2.22	
18355.00	89.850	357.140	9053.71	9250.68	9245.94	-968.67	716257.37	381497.58	32°02'48.949"N	103°38'07.328"W	1.19	
18443.00	89.820	358.240	9053.96	9338.62	9333.87	-972.22	716253.82	381585.51	32°02'49.820"N	103°38'07.362"W	1.25	
18532.00	89.940	359.800	9054.15	9427.61	9422.85	-973.74	716252.30	381674.49	32°02'50.700"N	103°38'07.373"W	1.76	
18620.00	89.910	0.810	9054.26	9515.61	9510.85	-973.27	716252.77	381762.48	32°02'51.571"N	103°38'07.361"W	1.15	

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD WE 24 Fed P23 No. 1H
Area	Lea County, NM	Well	SD WE 24 Federal P23 No. 001H
Field	Jennings; Bone Springs (Lea County, NM)	Wellbore	SD WE 24 Fed P23 No. 1H (AWB)
Facility	SD WE 24 Fed P23		

WELLPATH DATA (190 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
18709.00	89.820	359.060	9054.47	9604.60	9599.85	-973.37	716252.67	381851.48	32°02'52.452"N	103°38'07.356"W	1.97	
18797.00	89.850	358.940	9054.73	9692.60	9687.83	-974.91	716251.13	381939.46	32°02'53.322"N	103°38'07.367"W	0.14	
18886.00	89.940	0.520	9054.89	9781.59	9776.83	-975.33	716250.71	382028.45	32°02'54.203"N	103°38'07.365"W	1.78	
18975.00	90.060	0.640	9054.89	9870.58	9865.83	-974.43	716251.61	382117.44	32°02'55.084"N	103°38'07.348"W	0.19	
19063.00	89.510	359.150	9055.22	9958.58	9953.82	-974.59	716251.45	382205.44	32°02'55.954"N	103°38'07.343"W	1.80	
19152.00	89.970	358.180	9055.63	10047.56	10042.80	-976.66	716249.38	382294.41	32°02'56.835"N	103°38'07.361"W	1.21	
19209.42†	89.950	357.854	9055.66	10104.96	10100.18	-978.65	716247.39	382351.79	32°02'57.403"N	103°38'07.380"W	0.57	LTP: 330' HL
19240.00	89.940	357.680	9055.69	10135.52	10130.74	-979.84	716246.20	382382.34	32°02'57.705"N	103°38'07.391"W	0.57	
19329.00	90.090	357.890	9055.67	10224.47	10219.67	-983.28	716242.76	382471.27	32°02'58.586"N	103°38'07.424"W	0.29	8 3/4 BHI MWD 8557' - 19329'
19366.00	90.090	357.890	9055.61	10261.45	10256.65	-984.64	716241.40	382508.25	32°02'58.952"N	103°38'07.437"W	0.00	Projection to TD: 19366'

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SD WE 24 Fed P23 No. 1H BHL rev 3	9053.00	10250.40	-985.04	**716241.00**	**382502.00**	32°02'58.890"N	103°38'07.442"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: SD WE 24 Fed P23 No. 1H (AWB) Ref Wellpath: SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	747.00	Wolff and de Wardt (good magnetic)	Imported TeleDrift 80' - 747'	SD WE 24 Fed P23 No. 1H (AWB)
747.00	4530.00	BHI NaviTrak (Axial)	12 1/4 BHI MWD 802' - 4530'	SD WE 24 Fed P23 No. 1H (AWB)
4530.00	8512.00	BHI NaviTrak (Axial)	8 3/4 BHI MWD 4618' - 8512'	SD WE 24 Fed P23 No. 1H (AWB)
8512.00	19329.00	BHI AutoTrak Curve (Short)	8 3/4 BHI MWD 8557' - 19329'	SD WE 24 Fed P23 No. 1H (AWB)
19329.00	19366.00	Blind Drilling (std)	Projection to bit	SD WE 24 Fed P23 No. 1H (AWB)

Actual Wellpath Report

SD WE 24 Fed P23 No. 1H awp 80' - 19329' Proj: 19366'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Chevron U.S.A. Inc.**	Slot	**SD WE 24 Fed P23 No. 1H**
Area	**Lea County, NM**	Well	**SD WE 24 Federal P23 No. 001H**
Field	**Jennings; Bone Springs (Lea County, NM)**	Wellbore	**SD WE 24 Fed P23 No. 1H (AWB)**
Facility	**SD WE 24 Fed P23**		

COMMENTS

Wellpath general comments

Well: SD WE 24 Federal P23 No. 001H
Field: Jennings; Bone Springs
Rig: Nabors X30
Location: Lea, New Mexico
API: 30-025-43318-00
Latitude: 32° 01' 17.393" N
Longitude: 103° 37' 56.771" W
DF Elevation: 3165.6 feet
Elev. GL: 3133 feet
Proposed Direction: 359.71°
PBHL: 19366 feet
Duration: 8/23/2016-11/20/2016
FSE's: D. Hardeman, O. Lizarazo, C. Duhon
SO#: 8111323
Imported TeleDrift 80' - 747'
12 1/4 BHI MWD 802' - 4530'
8 3/4 BHI MWD 4618' - 8512'
8 3/4 BHI MWD 8557' - 19329'
Projection to TD: 19366'

Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Wellbore Name	Parent Wellbore	Min Kick Off Depth (ftKB)	Vertical Section Direction (°)
Original Hole	Original Hole		359.71

Northing (Y) (ft)	Easting (X) (ft)	UTM Grid Zone

Date	Definitive?	Description	Planned?
8/21/2016	N	MWD	N

MD Tie In (ftKB)	TVDTie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWTie In (ft)
0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
80	0.90	258.00	80.00	-0.13	-0.61	-0.13	1.13	Magn MS		1.13	0.63	322.50	N
171	2.40	236.00	170.96	-1.34	-2.89	-1.33	1.76	Magn MS		1.65	3.19	-24.18	N
337	1.90	259.00	336.84	-3.81	-8.48	-3.77	0.59	Magn MS		-0.30	9.29	13.86	N
439	1.70	263.00	438.79	-4.32	-11.64	-4.26	0.23	Magn MS		-0.20	12.41	3.92	N
615	2.10	243.00	614.70	-6.10	-17.10	-6.02	0.44	Magn MS		0.23	18.16	-11.36	N
720	1.70	214.30	719.64	-8.26	-19.69	-8.16	0.97	Magn MS		-0.38	21.36	-27.33	N
802	1.62	236.19	801.61	-9.91	-21.34	-9.80	0.77	Magn MWD	Baker Hughes	-0.10	23.53	26.70	N
893	1.67	223.96	892.57	-11.58	-23.33	-11.46	0.39	Magn MWD	Baker Hughes	0.05	26.05	-13.44	N
984	2.79	243.20	983.50	-13.54	-26.23	-13.40	1.46	Magn MWD	Baker Hughes	1.23	29.52	21.14	N
1,074	4.19	251.61	1,073.33	-15.56	-31.30	-15.40	1.65	Magn MWD	Baker Hughes	1.56	34.96	9.34	N
1,165	5.05	255.34	1,164.04	-17.62	-38.33	-17.43	1.00	Magn MWD	Baker Hughes	0.95	42.19	4.10	N
1,254	5.32	253.67	1,252.67	-19.77	-46.08	-19.54	0.35	Magn MWD	Baker Hughes	0.30	50.15	-1.88	N
1,342	5.36	261.17	1,340.29	-21.55	-54.06	-21.28	0.79	Magn MWD	Baker Hughes	0.05	58.20	8.52	N
1,431	5.35	266.55	1,428.90	-22.44	-62.31	-22.12	0.56	Magn MWD	Baker Hughes	-0.01	66.23	6.04	N
1,519	5.45	265.61	1,516.51	-23.01	-70.57	-22.65	0.15	Magn MWD	Baker Hughes	0.11	74.23	-1.07	N
1,607	5.49	267.17	1,604.11	-23.54	-78.94	-23.14	0.17	Magn MWD	Baker Hughes	0.05	82.38	1.77	N
1,696	6.23	265.81	1,692.65	-24.10	-88.01	-23.65	0.85	Magn MWD	Baker Hughes	0.83	91.25	-1.53	N
1,784	8.14	262.11	1,779.95	-25.30	-98.95	-24.80	2.23	Magn MWD	Baker Hughes	2.17	102.13	-4.20	N
1,872	9.61	257.51	1,866.90	-27.75	-112.29	-27.18	1.85	Magn MWD	Baker Hughes	1.67	115.67	-5.23	N
1,961	10.12	261.18	1,954.58	-30.55	-127.27	-29.91	0.91	Magn MWD	Baker Hughes	0.57	130.88	4.12	N
2,049	10.21	264.46	2,041.20	-32.49	-142.67	-31.77	0.67	Magn MWD	Baker Hughes	0.10	146.32	3.73	N
2,138	10.35	262.64	2,128.77	-34.28	-158.45	-33.47	0.40	Magn MWD	Baker Hughes	0.16	162.12	-2.04	N
2,226	10.05	259.88	2,215.38	-36.64	-173.85	-35.76	0.65	Magn MWD	Baker Hughes	-0.34	177.67	-3.14	N
2,315	9.96	259.45	2,303.03	-39.41	-189.06	-38.45	0.13	Magn MWD	Baker Hughes	-0.10	193.13	-0.48	N
2,404	10.01	260.34	2,390.68	-42.12	-204.25	-41.08	0.18	Magn MWD	Baker Hughes	0.06	208.55	1.00	N
2,493	9.99	262.10	2,478.33	-44.48	-219.53	-43.37	0.34	Magn MWD	Baker Hughes	-0.02	223.99	1.98	N
2,670	9.05	264.09	2,652.89	-48.02	-248.58	-46.76	0.56	Magn MWD	Baker Hughes	-0.53	253.18	1.12	N
2,847	7.90	270.26	2,827.96	-49.40	-274.59	-48.01	0.83	Magn MWD	Baker Hughes	-0.65	279.00	3.49	N
3,024	7.69	269.13	3,003.32	-49.52	-298.60	-48.01	0.15	Magn MWD	Baker Hughes	-0.12	302.68	-0.64	N

Report Printed: 3/1/2017

Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
3,202	5.83	261.06	3,180.08	-51.11	-319.44	-49.49	1.17	Magn MWD	Baker Hughes	-1.04	323.50	-4.53	N
3,379	6.48	251.40	3,356.06	-55.69	-337.78	-53.98	0.69	Magn MWD	Baker Hughes	0.37	342.35	-5.46	N
3,556	7.98	234.54	3,531.67	-66.01	-357.26	-64.20	1.46	Magn MWD	Baker Hughes	0.85	363.31	-9.53	N
3,733	9.34	233.09	3,706.65	-81.76	-378.75	-79.84	0.78	Magn MWD	Baker Hughes	0.77	387.48	-0.82	N
3,910	9.67	241.04	3,881.23	-97.59	-403.25	-95.54	0.76	Magn MWD	Baker Hughes	0.19	414.89	4.49	N
4,087	10.66	253.40	4,055.47	-109.46	-431.95	-107.28	1.35	Magn MWD	Baker Hughes	0.56	445.80	6.98	N
4,264	9.85	250.05	4,229.64	-119.31	-461.87	-116.97	0.57	Magn MWD	Baker Hughes	-0.46	477.03	-1.89	N
4,441	10.04	252.34	4,403.98	-129.15	-490.80	-126.67	0.25	Magn MWD	Baker Hughes	0.11	507.51	1.29	N
4,530	11.02	264.51	4,491.49	-132.32	-506.66	-129.75	2.72	Magn MWD	Baker Hughes	1.10	523.65	13.67	N
4,618	10.75	267.37	4,577.91	-133.50	-523.23	-130.85	0.69	Magn MWD	Baker Hughes	-0.31	539.99	3.25	N
4,795	10.64	266.69	4,751.84	-135.20	-556.04	-132.39	0.09	Magn MWD	Baker Hughes	-0.06	572.24	-0.38	N
4,972	10.47	265.62	4,925.84	-137.37	-588.38	-134.39	0.15	Magn MWD	Baker Hughes	-0.10	604.21	-0.60	N
5,149	11.98	266.83	5,099.45	-139.62	-622.76	-136.46	0.86	Magn MWD	Baker Hughes	0.85	638.22	0.68	N
5,326	11.70	266.45	5,272.66	-141.75	-659.02	-138.41	0.16	Magn MWD	Baker Hughes	-0.16	674.09	-0.21	N
5,503	11.59	265.58	5,446.04	-144.23	-694.66	-140.71	0.12	Magn MWD	Baker Hughes	-0.06	709.47	-0.49	N
5,681	11.06	264.37	5,620.57	-147.28	-729.48	-143.59	0.33	Magn MWD	Baker Hughes	-0.30	744.19	-0.68	N
5,859	10.78	264.86	5,795.35	-150.45	-763.05	-146.58	0.17	Magn MWD	Baker Hughes	-0.16	777.74	0.28	N
6,035	10.36	264.91	5,968.36	-153.32	-795.20	-149.30	0.24	Magn MWD	Baker Hughes	-0.24	809.85	0.03	N
6,212	8.78	261.21	6,142.90	-156.80	-824.41	-152.63	0.96	Magn MWD	Baker Hughes	-0.89	839.19	-2.09	N
6,389	8.45	260.24	6,317.90	-161.07	-850.57	-156.76	0.20	Magn MWD	Baker Hughes	-0.19	865.69	-0.55	N
6,566	8.13	258.99	6,493.05	-165.67	-875.68	-161.23	0.21	Magn MWD	Baker Hughes	-0.18	891.21	-0.71	N
6,742	6.19	254.66	6,667.67	-170.55	-897.04	-166.01	1.14	Magn MWD	Baker Hughes	-1.10	913.11	-2.46	N
6,920	3.74	241.49	6,845.00	-175.88	-911.40	-171.25	1.51	Magn MWD	Baker Hughes	-1.38	928.22	-7.40	N
7,096	1.09	236.29	7,020.62	-179.53	-917.84	-174.88	1.51	Magn MWD	Baker Hughes	-1.51	935.23	-2.95	N
7,273	1.06	231.40	7,197.79	-181.49	-920.52	-176.83	0.05	Magn MWD	Baker Hughes	-0.02	938.24	-2.76	N
7,451	1.73	229.62	7,375.74	-184.26	-923.85	-179.58	0.38	Magn MWD	Baker Hughes	0.38	942.05	-1.00	N
7,539	0.45	153.42	7,463.72	-185.43	-924.71	-180.74	1.91	Magn MWD	Baker Hughes	-1.45	943.12	-86.59	N
7,628	0.71	165.40	7,552.72	-186.27	-924.42	-181.59	0.32	Magn MWD	Baker Hughes	0.29	943.09	13.46	N
7,805	0.63	200.19	7,729.71	-188.25	-924.48	-183.57	0.23	Magn MWD	Baker Hughes	-0.05	943.46	19.66	N
7,982	1.04	214.67	7,906.69	-190.48	-925.73	-185.79	0.26	Magn MWD	Baker Hughes	0.23	945.12	8.18	N

Report Printed: 3/1/2017

Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
8,159	1.46	214.98	8,083.65	-193.65	-927.93	-188.95	0.24	Magn MWD	Baker Hughes	0.24	947.92	0.18	N
8,385	1.79	209.35	8,259.58	-197.88	-930.56	-193.17	0.21	Magn MWD	Baker Hughes	0.19	951.37	-3.20	N
8,512	1.88	212.09	8,436.48	-202.75	-933.46	-198.03	0.07	Magn MWD	Baker Hughes	0.05	955.23	1.55	N
8,557	1.94	215.64	8,481.46	-204.00	-934.30	-199.27	0.29	Magn MWD	Baker Hughes	0.13	956.31	7.89	N
8,646	8.62	348.07	8,570.16	-198.68	-936.56	-193.94	11.27	Magn MWD	Baker Hughes	7.51	957.40	148.80	N
8,734	18.31	339.87	8,655.64	-179.20	-942.70	-174.43	11.20	Magn MWD	Baker Hughes	11.01	959.58	-9.32	N
8,823	28.38	343.74	8,737.27	-145.72	-953.45	-140.89	11.38	Magn MWD	Baker Hughes	11.26	964.52	4.35	N
8,912	35.30	351.98	8,812.89	-99.90	-962.96	-95.03	9.21	Magn MWD	Baker Hughes	7.83	968.13	9.26	N
9,029	42.42	4.68	8,904.08	-26.89	-964.47	-22.01	9.11	Magn MWD	Baker Hughes	6.09	964.84	-296.84	N
9,118	51.24	4.98	8,964.91	37.73	-958.99	42.58	9.91	Magn MWD	Baker Hughes	9.91	959.73	0.34	N
9,206	62.09	5.16	9,013.20	110.85	-952.50	115.67	12.33	Magn MWD	Baker Hughes	12.33	958.93	0.20	N
9,295	73.57	3.12	9,046.73	192.92	-946.62	197.71	13.07	Magn MWD	Baker Hughes	12.90	966.08	-2.29	N
9,384	85.56	1.60	9,062.82	280.21	-943.04	284.98	13.58	Magn MWD	Baker Hughes	13.47	983.79	-1.71	N
9,428	90.28	1.32	9,064.42	324.15	-941.92	328.92	10.75	Magn MWD	Baker Hughes	10.73	996.14	-0.64	N
9,472	90.65	1.04	9,064.06	368.14	-941.02	372.90	1.05	Magn MWD	Baker Hughes	0.84	1,010.47	-0.64	N
9,561	90.43	359.96	9,063.23	457.13	-940.24	461.89	1.24	Magn MWD	Baker Hughes	-0.25	1,045.48	403.28	N
9,649	90.59	359.94	9,062.44	545.13	-940.32	549.88	0.18	Magn MWD	Baker Hughes	0.18	1,086.91	-0.02	N
9,738	90.55	1.00	9,061.56	634.12	-939.59	638.87	1.19	Magn MWD	Baker Hughes	-0.04	1,133.55	-403.30	N
9,826	90.55	0.86	9,060.71	722.11	-938.16	726.85	0.16	Magn MWD	Baker Hughes	0.00	1,183.86	-0.16	N
9,916	90.68	1.96	9,059.75	812.07	-935.94	816.80	1.23	Magn MWD	Baker Hughes	0.14	1,239.13	1.22	N
10,004	92.37	2.58	9,057.40	899.97	-932.46	904.68	2.05	Magn MWD	Baker Hughes	1.92	1,295.93	0.70	N
10,093	90.25	2.43	9,055.37	988.86	-928.57	993.54	2.39	Magn MWD	Baker Hughes	-2.38	1,356.50	-0.17	N
10,181	90.49	1.28	9,054.80	1,076.81	-925.72	1,081.48	1.33	Magn MWD	Baker Hughes	0.27	1,420.03	-1.31	N
10,269	90.49	1.10	9,054.05	1,164.78	-923.90	1,169.44	0.20	Magn MWD	Baker Hughes	0.00	1,486.71	-0.20	N
10,358	91.08	1.48	9,052.83	1,253.75	-921.89	1,258.40	0.79	Magn MWD	Baker Hughes	0.66	1,556.21	0.43	N
10,446	90.25	1.25	9,051.81	1,341.72	-919.80	1,346.36	0.98	Magn MWD	Baker Hughes	-0.94	1,625.73	-0.26	N
10,536	93.88	359.58	9,048.56	1,431.64	-919.14	1,436.28	4.44	Magn MWD	Baker Hughes	4.03	1,701.30	396.14	N
10,624	88.58	358.74	9,046.68	1,519.58	-920.43	1,524.22	6.10	Magn MWD	Baker Hughes	-6.02	1,776.60	-0.95	N
10,713	91.48	0.28	9,046.63	1,608.56	-921.19	1,613.21	3.69	Magn MWD	Baker Hughes	3.26	1,853.67	-402.76	N
10,802	91.79	358.22	9,044.69	1,697.52	-922.36	1,702.16	2.34	Magn MWD	Baker Hughes	0.35	1,931.92	402.18	N

Report Printed: 3/1/2017

Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
10,890	90.25	356.96	9,042.52	1,785.42	-926.06	1,790.08	2.26	Magn MWD	Baker Hughes	-1.75	2,011.29	-1.43	N
10,983	91.79	356.98	9,040.87	1,878.27	-930.97	1,882.96	1.66	Magn MWD	Baker Hughes	1.66	2,096.33	0.02	N
11,074	89.88	355.81	9,039.54	1,969.08	-936.70	1,973.79	2.46	Magn MWD	Baker Hughes	-2.10	2,180.52	-1.29	N
11,166	89.38	355.18	9,040.14	2,060.79	-943.96	2,065.54	0.92	Magn MWD	Baker Hughes	-0.54	2,266.69	-0.74	N
11,257	89.57	356.72	9,040.97	2,151.55	-950.43	2,156.33	1.76	Magn MWD	Baker Hughes	0.21	2,352.12	1.75	N
11,348	89.41	357.94	9,041.78	2,242.44	-954.67	2,247.25	1.35	Magn MWD	Baker Hughes	-0.18	2,437.20	1.34	N
11,438	89.38	359.15	9,042.73	2,332.41	-956.95	2,337.22	1.34	Magn MWD	Baker Hughes	-0.03	2,521.09	1.34	N
11,529	89.86	0.65	9,043.34	2,423.40	-957.11	2,428.22	1.73	Magn MWD	Baker Hughes	0.52	2,605.56	-393.96	N
11,620	89.29	0.40	9,044.02	2,514.40	-956.28	2,519.21	0.67	Magn MWD	Baker Hughes	-0.62	2,690.10	-0.27	N
11,711	89.91	1.02	9,044.66	2,605.39	-955.15	2,610.19	0.96	Magn MWD	Baker Hughes	0.68	2,774.95	0.68	N
11,802	89.72	0.60	9,044.95	2,696.38	-953.86	2,701.17	0.51	Magn MWD	Baker Hughes	-0.21	2,860.12	-0.46	N
11,890	91.23	0.93	9,044.22	2,784.36	-952.69	2,789.15	1.76	Magn MWD	Baker Hughes	1.72	2,942.84	0.38	N
11,979	89.75	0.34	9,043.46	2,873.35	-951.70	2,878.13	1.79	Magn MWD	Baker Hughes	-1.66	3,026.86	-0.66	N
12,067	90.18	0.42	9,043.52	2,961.35	-951.12	2,966.13	0.50	Magn MWD	Baker Hughes	0.49	3,110.34	0.09	N
12,155	92.31	0.76	9,041.61	3,049.32	-950.21	3,054.09	2.45	Magn MWD	Baker Hughes	2.42	3,193.94	0.39	N
12,244	91.08	359.71	9,038.97	3,138.28	-949.85	3,143.04	1.82	Magn MWD	Baker Hughes	-1.38	3,278.87	403.31	N
12,332	91.14	0.47	9,037.27	3,226.26	-949.71	3,231.02	0.87	Magn MWD	Baker Hughes	0.07	3,363.14	-408.23	N
12,421	86.98	358.24	9,038.73	3,315.22	-950.71	3,319.99	5.30	Magn MWD	Baker Hughes	-4.67	3,448.84	401.99	N
12,509	87.51	358.23	9,042.96	3,403.07	-953.42	3,407.86	0.60	Magn MWD	Baker Hughes	0.60	3,534.11	-0.01	N
12,598	89.20	359.36	9,045.51	3,492.01	-955.29	3,496.80	2.28	Magn MWD	Baker Hughes	1.90	3,620.32	1.27	N
12,686	90.22	359.57	9,045.96	3,580.01	-956.11	3,584.80	1.18	Magn MWD	Baker Hughes	1.16	3,705.48	0.24	N
12,775	89.38	358.57	9,046.27	3,668.99	-957.56	3,673.79	1.47	Magn MWD	Baker Hughes	-0.94	3,791.89	-1.12	N
12,863	89.63	358.47	9,047.03	3,756.96	-959.83	3,761.77	0.31	Magn MWD	Baker Hughes	0.28	3,877.63	-0.11	N
12,952	89.17	359.57	9,047.96	3,845.94	-961.35	3,850.76	1.34	Magn MWD	Baker Hughes	-0.52	3,964.27	1.24	N
13,041	89.51	0.06	9,048.99	3,934.93	-961.64	3,939.75	0.67	Magn MWD	Baker Hughes	0.38	4,050.73	-403.94	N
13,130	86.55	359.33	9,052.05	4,023.87	-962.11	4,028.69	3.43	Magn MWD	Baker Hughes	-3.33	4,137.29	403.67	N
13,218	88.31	1.27	9,055.99	4,111.77	-961.65	4,116.59	2.97	Magn MWD	Baker Hughes	2.00	4,222.73	-406.89	N
13,307	90.65	2.60	9,056.80	4,200.71	-958.84	4,205.51	3.02	Magn MWD	Baker Hughes	2.63	4,308.71	1.49	N
13,395	90.25	2.54	9,056.11	4,288.62	-954.70	4,293.39	0.46	Magn MWD	Baker Hughes	-0.45	4,393.60	-0.07	N
13,484	90.55	2.04	9,055.49	4,377.54	-951.14	4,382.30	0.66	Magn MWD	Baker Hughes	0.34	4,479.66	-0.56	N

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Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
13,572	90.40	1.03	9,054.76	4,465.51	-948.78	4,470.25	1.16	Magn MWD	Baker Hughes	-0.17	4,565.19	-1.15	N
13,661	89.51	358.79	9,054.83	4,554.50	-948.92	4,559.25	2.71	Magn MWD	Baker Hughes	-1.00	4,652.30	401.98	N
13,750	90.03	0.64	9,055.18	4,643.49	-949.37	4,648.24	2.16	Magn MWD	Baker Hughes	0.58	4,739.55	-402.42	N
13,838	91.54	1.21	9,053.98	4,731.47	-947.95	4,736.21	1.83	Magn MWD	Baker Hughes	1.72	4,825.50	0.65	N
13,927	89.48	359.75	9,053.19	4,820.46	-947.20	4,825.19	2.84	Magn MWD	Baker Hughes	-2.31	4,912.64	402.85	N
14,015	90.62	0.08	9,053.11	4,908.46	-947.33	4,913.19	1.35	Magn MWD	Baker Hughes	1.30	4,999.04	-406.72	N
14,105	89.69	358.78	9,052.87	4,998.45	-948.23	5,003.18	1.76	Magn MWD	Baker Hughes	-1.03	5,087.59	398.56	N
14,193	89.72	358.58	9,053.32	5,086.42	-950.25	5,091.17	0.23	Magn MWD	Baker Hughes	0.03	5,174.43	-0.23	N
14,282	93.02	359.90	9,051.19	5,175.38	-951.43	5,180.13	3.99	Magn MWD	Baker Hughes	3.71	5,262.11	1.48	N
14,370	92.43	0.61	9,047.01	5,263.28	-951.04	5,268.02	1.05	Magn MWD	Baker Hughes	-0.67	5,348.51	-408.28	N
14,459	90.52	357.93	9,044.72	5,352.23	-952.18	5,356.98	3.70	Magn MWD	Baker Hughes	-2.15	5,436.26	401.48	N
14,547	90.18	357.30	9,044.18	5,440.15	-955.84	5,444.92	0.81	Magn MWD	Baker Hughes	-0.39	5,523.48	-0.72	N
14,636	90.68	359.44	9,043.51	5,529.10	-958.37	5,533.88	2.47	Magn MWD	Baker Hughes	0.56	5,611.55	2.40	N
14,724	88.86	358.56	9,043.86	5,617.09	-959.91	5,621.87	2.30	Magn MWD	Baker Hughes	-2.07	5,698.51	-1.00	N
14,813	89.51	0.49	9,045.13	5,706.07	-960.64	5,710.86	2.29	Magn MWD	Baker Hughes	0.73	5,786.37	-402.33	N
14,901	89.51	0.72	9,045.88	5,794.06	-959.71	5,798.84	0.26	Magn MWD	Baker Hughes	0.00	5,873.00	0.26	N
14,989	89.54	0.41	9,046.61	5,882.05	-958.85	5,886.83	0.35	Magn MWD	Baker Hughes	0.03	5,959.69	-0.35	N
15,078	89.20	359.10	9,047.59	5,971.04	-959.23	5,975.82	1.52	Magn MWD	Baker Hughes	-0.38	6,047.60	403.02	N
15,167	89.57	358.77	9,048.55	6,060.02	-960.88	6,064.81	0.56	Magn MWD	Baker Hughes	0.42	6,135.73	-0.37	N
15,255	91.91	358.33	9,047.41	6,147.98	-963.11	6,152.78	2.71	Magn MWD	Baker Hughes	2.66	6,222.96	-0.50	N
15,343	89.76	356.51	9,046.11	6,235.87	-967.07	6,240.69	3.18	Magn MWD	Baker Hughes	-2.42	6,310.42	-2.07	N
15,432	93.11	358.04	9,043.87	6,324.73	-971.30	6,329.57	4.12	Magn MWD	Baker Hughes	3.74	6,398.88	1.72	N
15,520	89.88	354.95	9,041.57	6,412.51	-976.68	6,417.37	5.08	Magn MWD	Baker Hughes	-3.67	6,486.46	-3.51	N
15,609	90.25	358.29	9,041.47	6,501.36	-981.92	6,506.23	3.78	Magn MWD	Baker Hughes	0.42	6,575.08	3.75	N
15,697	89.60	359.56	9,041.59	6,589.33	-983.57	6,594.22	1.62	Magn MWD	Baker Hughes	-0.74	6,662.38	1.44	N
15,786	89.45	0.46	9,042.32	6,678.32	-983.59	6,683.22	1.03	Magn MWD	Baker Hughes	-0.17	6,750.36	-403.48	N
15,874	89.51	1.17	9,043.12	6,766.31	-982.31	6,771.20	0.81	Magn MWD	Baker Hughes	0.07	6,837.24	0.81	N
15,963	89.35	2.14	9,044.01	6,855.27	-979.74	6,860.14	1.10	Magn MWD	Baker Hughes	-0.18	6,924.93	1.09	N
16,051	89.51	2.29	9,044.88	6,943.20	-976.34	6,948.05	0.26	Magn MWD	Baker Hughes	0.18	7,011.51	0.17	N
16,140	89.41	2.79	9,045.72	7,032.11	-972.39	7,036.94	0.57	Magn MWD	Baker Hughes	-0.11	7,099.02	0.56	N

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Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
16,228	88.65	2.19	9,047.21	7,120.01	-968.57	7,124.82	1.10	Magn MWD	Baker Hughes	-0.86	7,185.59	-0.68	N
16,316	89.78	3.17	9,048.42	7,207.90	-964.45	7,212.69	1.70	Magn MWD	Baker Hughes	1.28	7,272.14	1.11	N
16,405	91.11	2.84	9,047.73	7,296.78	-959.79	7,301.54	1.54	Magn MWD	Baker Hughes	1.49	7,359.63	-0.37	N
16,493	91.73	1.69	9,045.55	7,384.66	-956.31	7,389.42	1.48	Magn MWD	Baker Hughes	0.70	7,446.34	-1.31	N
16,583	89.45	358.95	9,044.62	7,474.66	-955.81	7,479.40	3.96	Magn MWD	Baker Hughes	-2.53	7,535.52	396.96	N
16,672	90.00	358.95	9,045.05	7,563.64	-957.44	7,568.39	0.62	Magn MWD	Baker Hughes	0.62	7,624.00	0.00	N
16,761	89.57	358.42	9,045.38	7,652.62	-959.48	7,657.37	0.77	Magn MWD	Baker Hughes	-0.48	7,712.53	-0.60	N
16,849	89.45	358.56	9,046.13	7,740.58	-961.80	7,745.35	0.21	Magn MWD	Baker Hughes	-0.14	7,800.11	0.16	N
16,938	89.57	358.59	9,046.89	7,829.55	-964.02	7,834.33	0.14	Magn MWD	Baker Hughes	0.13	7,888.68	0.03	N
17,026	89.54	357.95	9,047.58	7,917.51	-966.67	7,922.30	0.73	Magn MWD	Baker Hughes	-0.03	7,976.30	-0.73	N
17,115	88.27	356.53	9,049.28	8,006.39	-970.96	8,011.20	2.14	Magn MWD	Baker Hughes	-1.43	8,065.05	-1.60	N
17,203	89.20	357.98	9,051.22	8,094.26	-975.17	8,099.09	1.96	Magn MWD	Baker Hughes	1.06	8,152.79	1.65	N
17,292	89.23	358.25	9,052.44	8,183.20	-978.10	8,188.05	0.31	Magn MWD	Baker Hughes	0.03	8,241.45	0.30	N
17,380	89.11	359.16	9,053.71	8,271.17	-980.09	8,276.02	1.04	Magn MWD	Baker Hughes	-0.14	8,329.03	1.03	N
17,469	89.38	0.86	9,054.89	8,360.16	-980.07	8,365.01	1.93	Magn MWD	Baker Hughes	0.30	8,417.41	-402.58	N
17,558	89.54	1.02	9,055.73	8,449.14	-978.61	8,453.99	0.25	Magn MWD	Baker Hughes	0.18	8,505.63	0.18	N
17,646	89.45	0.87	9,056.50	8,537.13	-977.16	8,541.96	0.20	Magn MWD	Baker Hughes	-0.10	8,592.87	-0.17	N
17,735	89.94	1.16	9,056.98	8,626.11	-975.58	8,630.94	0.64	Magn MWD	Baker Hughes	0.55	8,681.10	0.33	N
17,823	91.11	1.35	9,056.17	8,714.09	-973.65	8,718.90	1.35	Magn MWD	Baker Hughes	1.33	8,768.31	0.22	N
17,912	90.95	2.20	9,054.57	8,803.03	-970.90	8,807.83	0.97	Magn MWD	Baker Hughes	-0.18	8,856.41	0.96	N
18,000	90.22	2.72	9,053.67	8,890.94	-967.12	8,895.72	1.02	Magn MWD	Baker Hughes	-0.83	8,943.39	0.59	N
18,089	89.91	0.74	9,053.57	8,979.90	-964.43	8,984.66	2.25	Magn MWD	Baker Hughes	-0.35	9,031.54	-2.22	N
18,177	90.28	0.09	9,053.42	9,067.89	-963.80	9,072.65	0.85	Magn MWD	Baker Hughes	0.42	9,118.97	-0.74	N
18,266	89.75	358.19	9,053.40	9,156.88	-965.13	9,161.65	2.22	Magn MWD	Baker Hughes	-0.60	9,207.60	402.36	N
18,355	89.85	357.14	9,053.71	9,245.80	-968.76	9,250.59	1.19	Magn MWD	Baker Hughes	0.11	9,296.42	-1.18	N
18,443	89.82	358.24	9,053.96	9,333.73	-972.31	9,338.53	1.25	Magn MWD	Baker Hughes	-0.03	9,384.24	1.25	N
18,532	89.94	359.80	9,054.15	9,422.71	-973.83	9,427.52	1.76	Magn MWD	Baker Hughes	0.13	9,472.90	1.75	N
18,620	89.91	0.81	9,054.27	9,510.71	-973.36	9,515.52	1.15	Magn MWD	Baker Hughes	-0.03	9,560.38	-407.94	N
18,709	89.82	359.06	9,054.48	9,599.71	-973.46	9,604.51	1.97	Magn MWD	Baker Hughes	-0.10	9,648.94	402.53	N
18,797	89.85	358.94	9,054.73	9,687.69	-975.00	9,692.50	0.14	Magn MWD	Baker Hughes	0.03	9,736.65	-0.14	N

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Directional Survey

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unused data
18,886	89.94	0.52	9,054.89	9,776.69	-975.42	9,781.50	1.78	Magn MWD	Baker Hughes	0.10	9,825.23	-402.72	N
18,975	90.06	0.64	9,054.89	9,865.69	-974.51	9,870.49	0.19	Magn MWD	Baker Hughes	0.13	9,913.70	0.13	N
19,063	89.51	359.15	9,055.22	9,953.68	-974.68	9,958.49	1.80	Magn MWD	Baker Hughes	-0.62	10,001.29	407.40	N
19,152	89.97	358.18	9,055.63	10,042.66	-976.75	10,047.47	1.21	Magn MWD	Baker Hughes	0.52	10,090.04	-1.09	N
19,240	89.94	357.68	9,055.70	10,130.60	-979.93	10,135.43	0.57	Magn MWD	Baker Hughes	-0.03	10,177.88	-0.57	N
19,329	90.09	357.89	9,055.67	10,219.53	-983.37	10,224.38	0.29	Magn MWD	Baker Hughes	0.17	10,266.73	0.24	N
19,366	90.09	357.89	9,055.61	10,256.51	-984.73	10,261.36	0.00	Extrap.	Baker Hughes	0.00	10,303.67	0.00	N

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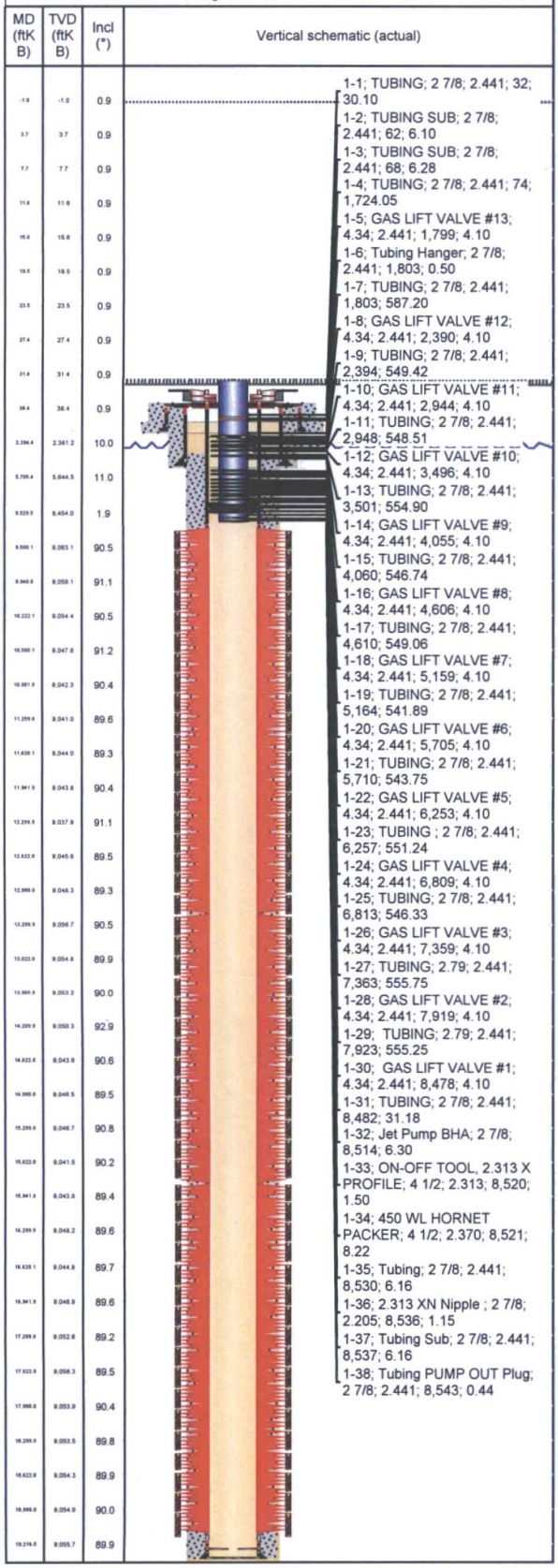
Tubing Summary

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB Elevation (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,133.00	3,165.60	3,165.60, 8/15/2016		

Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)
32.60			

Land - Original Hole, 2/3/2017 2:00:00 PM



Tubing Strings

Tubing Description	Planned Run?	Set Depth (MD) (ftKB)	Set Depth (TVD) (ftKB)
Tubing - Production	N	8,543.5	8,467.9

Run Date	Run Job	Pull Date	Pull Job
2/3/2017	Complete, 12/10/2016 12:00		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	TUBING	2 7/8	2.441	6.50	L-80	8RD	30.10	32.0	62.1
1	TUBING SUB	2 7/8	2.441	6.50	L-80	8RD	6.10	62.1	68.2
1	TUBING SUB	2 7/8	2.441	6.50	L-80	8RD	6.28	68.2	74.5
56	TUBING	2 7/8	2.441	6.50	L-80	8RD	1,724.05	74.5	1,798.5
1	GAS LIFT VALVE #13	4.335	2.441			8RD	4.10	1,798.5	1,802.6
1	Tubing Hanger	2 7/8	2.441			8RD	0.50	1,802.6	1,803.1
19	TUBING	2 7/8	2.441	6.50	L-80	8RD	587.20	1,803.1	2,390.3
1	GAS LIFT VALVE #12	4.335	2.441			8RD	4.10	2,390.3	2,394.4
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	549.42	2,394.4	2,943.9
1	GAS LIFT VALVE #11	4.335	2.441			8RD	4.10	2,943.9	2,948.0
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	548.51	2,948.0	3,496.5
1	GAS LIFT VALVE #10	4.335	2.441			8RD	4.10	3,496.5	3,500.6
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	554.90	3,500.6	4,055.5
1	GAS LIFT VALVE #9	4.335	2.441			8RD	4.10	4,055.5	4,059.6
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	546.74	4,059.6	4,606.3
1	GAS LIFT VALVE #8	4.335	2.441			8RD	4.10	4,606.3	4,610.4
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	549.06	4,610.4	5,159.5
1	GAS LIFT VALVE #7	4.335	2.441			8RD	4.10	5,159.5	5,163.6
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	541.89	5,163.6	5,705.5
1	GAS LIFT VALVE #6	4.335	2.441			8RD	4.10	5,705.5	5,709.6
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	543.75	5,709.6	6,253.3
1	GAS LIFT VALVE #5	4.335	2.441			8RD	4.10	6,253.3	6,257.4
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	551.24	6,257.4	6,808.6
1	GAS LIFT VALVE #4	4.335	2.441			8RD	4.10	6,808.6	6,812.7
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	546.33	6,812.7	7,359.1
1	GAS LIFT VALVE #3	4.335	2.441			8TRD	4.10	7,359.1	7,363.2
18	TUBING	2.785	2.441	6.50	L-80	8RD	555.75	7,363.2	7,918.9
1	GAS LIFT VALVE #2	4.335	2.441			8RD	4.10	7,918.9	7,923.0
18	TUBING	2.785	2.441	6.50	L-80	8RD	555.25	7,923.0	8,478.3
1	GAS LIFT VALVE #1	4.335	2.441			8RD	4.10	8,478.3	8,482.4
1	TUBING	2 7/8	2.441	6.50	L-80	8RD	31.18	8,482.4	8,513.6
1	Jet Pump BHA	2 7/8				8RD	6.30	8,513.6	8,519.9
1	ON-OFF TOOL, 2.313 X PROFILE	4 1/2	2.313			8RD	1.50	8,519.9	8,521.4

Report Printed: 3/1/2017

Tubing Summary

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Ground Elevation (ft)	Original RKB Elevation (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,133.00	3,165.60	3,165.60, 8/15/2016		

Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)
32.60			

Land - Original Hole, 2/3/2017 2:00:00 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
-1.0	-1.0	0.9	1-1; TUBING; 2 7/8; 2.441; 32; 30.10
3.7	3.7	0.9	1-2; TUBING SUB; 2 7/8; 2.441; 62; 6.10
7.7	7.7	0.9	1-3; TUBING SUB; 2 7/8; 2.441; 68; 6.28
11.4	11.6	0.9	1-4; TUBING; 2 7/8; 2.441; 74; 1,724.05
15.6	15.8	0.9	1-5; GAS LIFT VALVE #13; 4.34; 2.441; 1,799; 4.10
19.5	19.5	0.9	1-6; Tubing Hanger; 2 7/8; 2.441; 1,803; 0.50
23.5	23.5	0.9	1-7; TUBING; 2 7/8; 2.441; 1,803; 587.20
27.4	27.4	0.9	1-8; GAS LIFT VALVE #12; 4.34; 2.441; 2,390; 4.10
31.4	31.4	0.9	1-9; TUBING; 2 7/8; 2.441; 2,394; 549.42
35.4	36.4	0.9	1-10; GAS LIFT VALVE #11; 4.34; 2.441; 2,944; 4.10
2,394.4	2,381.2	10.0	1-11; TUBING; 2 7/8; 2.441; 2,948; 548.51
5,705.4	5,644.5	11.0	1-12; GAS LIFT VALVE #10; 4.34; 2.441; 3,496; 4.10
6,529.5	6,454.0	1.9	1-13; TUBING; 2 7/8; 2.441; 3,501; 554.90
9,599.1	9,063.1	90.5	1-14; GAS LIFT VALVE #9; 4.34; 2.441; 4,055; 4.10
9,948.8	9,059.1	91.1	1-15; TUBING; 2 7/8; 2.441; 4,060; 546.74
10,222.1	9,054.4	90.5	1-16; GAS LIFT VALVE #8; 4.34; 2.441; 4,606; 4.10
10,590.1	9,047.6	91.2	1-17; TUBING; 2 7/8; 2.441; 4,610; 549.06
10,901.9	9,042.3	90.4	1-18; GAS LIFT VALVE #7; 4.34; 2.441; 5,159; 4.10
11,269.8	9,041.0	89.6	1-19; TUBING; 2 7/8; 2.441; 5,164; 541.89
11,628.1	9,044.0	89.3	1-20; GAS LIFT VALVE #6; 4.34; 2.441; 5,705; 4.10
11,941.3	9,043.8	90.4	1-21; TUBING; 2 7/8; 2.441; 5,710; 543.75
12,299.9	9,037.9	91.1	1-22; GAS LIFT VALVE #5; 4.34; 2.441; 6,253; 4.10
12,622.8	9,045.6	89.5	1-23; TUBING ; 2 7/8; 2.441; 6,257; 551.24
12,990.6	9,048.3	89.3	1-24; GAS LIFT VALVE #4; 4.34; 2.441; 6,809; 4.10
13,299.9	9,056.7	90.5	1-25; TUBING; 2 7/8; 2.441; 6,813; 546.33
13,622.8	9,054.8	89.9	1-26; GAS LIFT VALVE #3; 4.34; 2.441; 7,359; 4.10
13,985.8	9,053.2	90.0	1-27; TUBING; 2.79; 2.441; 7,363; 555.75
14,299.9	9,050.3	92.9	1-28; GAS LIFT VALVE #2; 4.34; 2.441; 7,919; 4.10
14,622.8	9,043.8	90.6	1-29; TUBING; 2.79; 2.441; 7,923; 555.25
14,990.6	9,046.5	89.5	1-30; GAS LIFT VALVE #1; 4.34; 2.441; 8,478; 4.10
15,299.9	9,046.7	90.8	1-31; TUBING; 2 7/8; 2.441; 8,482; 31.18
15,622.8	9,041.5	90.2	1-32; Jet Pump BHA; 2 7/8; 8,514; 6.30
15,941.9	9,043.8	89.4	1-33; ON-OFF TOOL, 2.313 X PROFILE; 4 1/2; 2.313; 8,520; 1.50
16,299.9	9,048.2	89.6	1-34; 450 WL HORNET PACKER; 4 1/2; 2.370; 8,521; 8.22
16,620.1	9,044.8	89.7	1-35; Tubing; 2 7/8; 2.441; 8,530; 6.16
16,941.8	9,048.9	89.6	1-36; 2.313 XN Nipple ; 2 7/8; 2.205; 8,536; 1.15
17,299.9	9,052.8	89.2	1-37; Tubing Sub; 2 7/8; 2.441; 8,537; 6.16
17,622.8	9,056.3	89.5	1-38; Tubing PUMP OUT Plug; 2 7/8; 2.441; 8,543; 0.44
17,988.8	9,053.8	90.4	
18,299.9	9,053.5	89.8	
18,622.8	9,054.3	89.9	
18,988.8	9,054.9	90.0	
19,216.8	9,055.7	89.9	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	450 WL HORNET PACKER	4 1/2	2.370			8RD	8.22	8,521.4	8,529.6
1	Tubing	2 7/8	2.441	6.50	L-80	8RD	6.16	8,529.6	8,535.7
1	2.313 XN Nipple	2 7/8	2.205			8RD	1.15	8,535.7	8,536.9
1	Tubing Sub	2 7/8	2.441	6.50	L-80	8RD	6.16	8,536.9	8,543.0
1	Tubing PUMP OUT Plug	2 7/8	2.441			8RD	0.44	8,543.0	8,543.5

Rod Strings

Rod Description	Planned Run?	Set Depth (ftKB)	Set Depth (TVD) (ftKB)

Run Date	Run Job	Pull Date	Pull Job

Rod Components

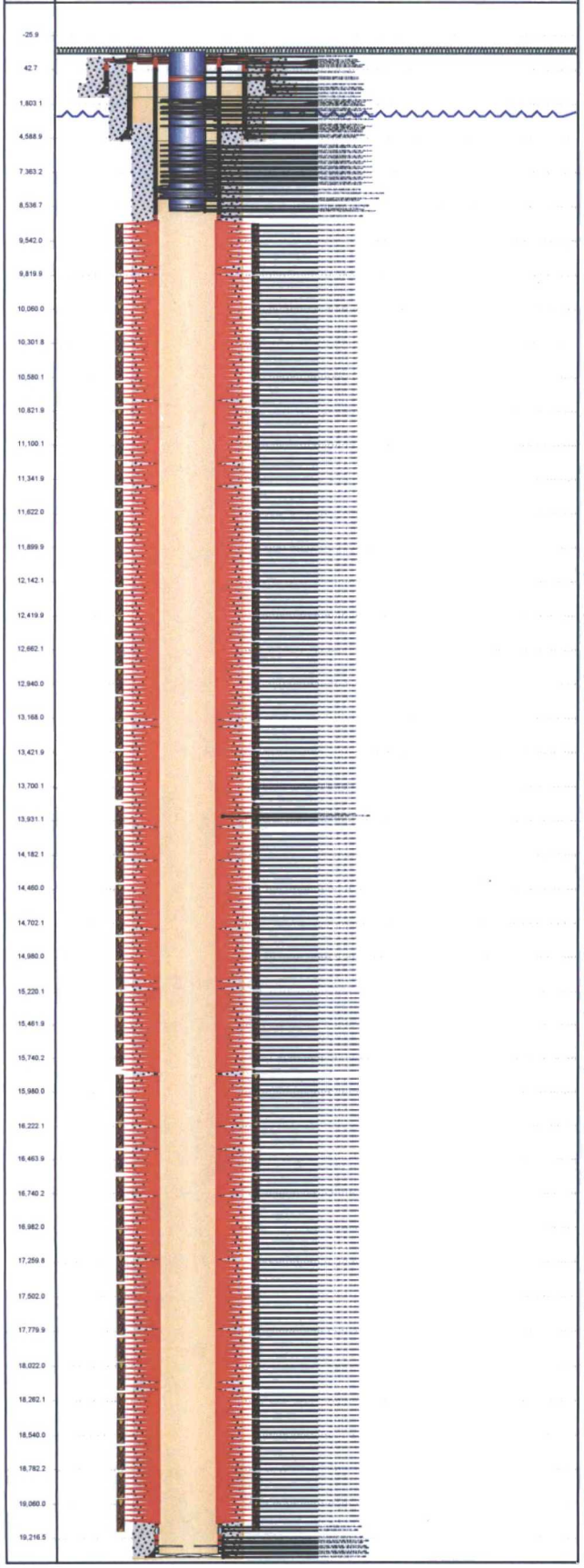
Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftKB)	Btm (ftKB)

Report Printed: 3/1/2017

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:51 AM



Job Details

Job Category	Start Date	Rig/Unit End Date
Completion	12/10/2016	12/17/2016
Completion	12/17/2016	1/17/2017
Completion	1/18/2017	1/28/2017
Completion	2/1/2017	2/6/2017

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		745
Intermediate Casing 1	9 5/8	40.00	HCK-55	LT&C	4,589
Production Casing	5 1/2	20.00	P-110	TXP-BTC	19,351

Tubing Strings

Tubing - Production set at 8,543.5ftKB on 2/3/2017 14:00

Tubing Description	Run Date	String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production	2/3/2017	8,511.48	8,543.5

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
TUBING	1	2 7/8	6.50	L-80	30.10	62.1
TUBING SUB	1	2 7/8	6.50	L-80	6.10	68.2
TUBING SUB	1	2 7/8	6.50	L-80	6.28	74.5
TUBING	56	2 7/8	6.50	L-80	1,724.05	1,798.5
GAS LIFT VALVE #13	1	4.335			4.10	1,802.6
Tubing Hanger	1	2 7/8			0.50	1,803.1
TUBING	19	2 7/8	6.50	L-80	587.20	2,390.3
GAS LIFT VALVE #12	1	4.335			4.10	2,394.4
TUBING	18	2 7/8	6.50	L-80	549.42	2,943.9
GAS LIFT VALVE #11	1	4.335			4.10	2,948.0
TUBING	18	2 7/8	6.50	L-80	548.51	3,496.5
GAS LIFT VALVE #10	1	4.335			4.10	3,500.6
TUBING	18	2 7/8	6.50	L-80	554.90	4,055.5
GAS LIFT VALVE #9	1	4.335			4.10	4,059.6
TUBING	18	2 7/8	6.50	L-80	546.74	4,606.3
GAS LIFT VALVE #8	1	4.335			4.10	4,610.4
TUBING	18	2 7/8	6.50	L-80	549.06	5,159.5
GAS LIFT VALVE #7	1	4.335			4.10	5,163.6
TUBING	18	2 7/8	6.50	L-80	541.89	5,705.5
GAS LIFT VALVE #6	1	4.335			4.10	5,709.6
TUBING	18	2 7/8	6.50	L-80	543.75	6,253.3
GAS LIFT VALVE #5	1	4.335			4.10	6,257.4
TUBING	18	2 7/8	6.50	L-80	551.24	6,808.6
GAS LIFT VALVE #4	1	4.335			4.10	6,812.7
TUBING	18	2 7/8	6.50	L-80	546.33	7,359.1
GAS LIFT VALVE #3	1	4.335			4.10	7,363.2
TUBING	18	2.785	6.50	L-80	555.75	7,918.9
GAS LIFT VALVE #2	1	4.335			4.10	7,923.0
TUBING	18	2.785	6.50	L-80	555.25	8,478.3
GAS LIFT VALVE #1	1	4.335			4.10	8,482.4
TUBING	1	2 7/8	6.50	L-80	31.18	8,513.6
Jet Pump BHA	1	2 7/8			6.30	8,519.9
ON-OFF TOOL, 2.313 X PROFILE	1	4 1/2			1.50	8,521.4
450 WL HORNET PACKER	1	4 1/2			8.22	8,529.6
Tubing	1	2 7/8	6.50	L-80	6.16	8,535.7
2.313 XN Nipple	1	2 7/8			1.15	8,536.9
Tubing Sub	1	2 7/8	6.50	L-80	6.16	8,543.0
Tubing PUMP OUT Plug	1	2 7/8			0.44	8,543.5

Perforations

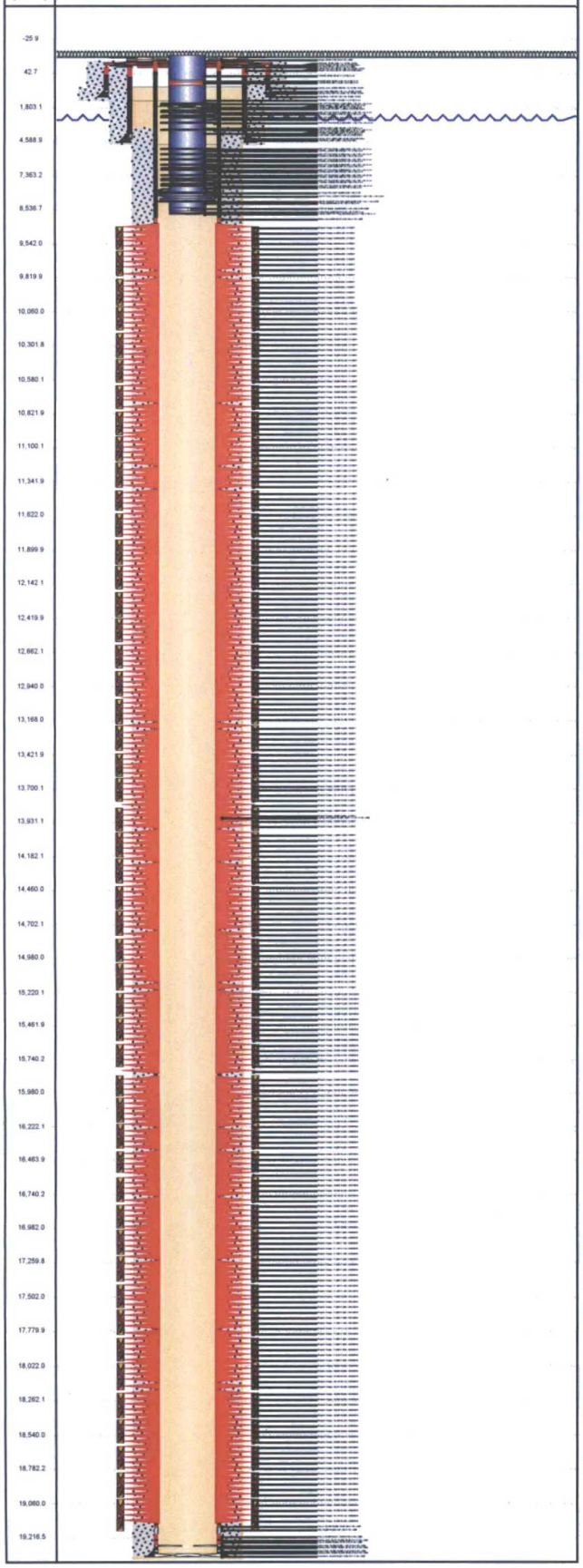
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
1/17/2017	9,420.0	9,422.0	6.0	8	Avalon, Original Hole
1/17/2017	9,460.0	9,462.0	6.0	8	Avalon, Original Hole
1/17/2017	9,500.0	9,502.0	6.0	8	Avalon, Original Hole

Report Printed: 3/1/2017

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:52 AM



Perforations

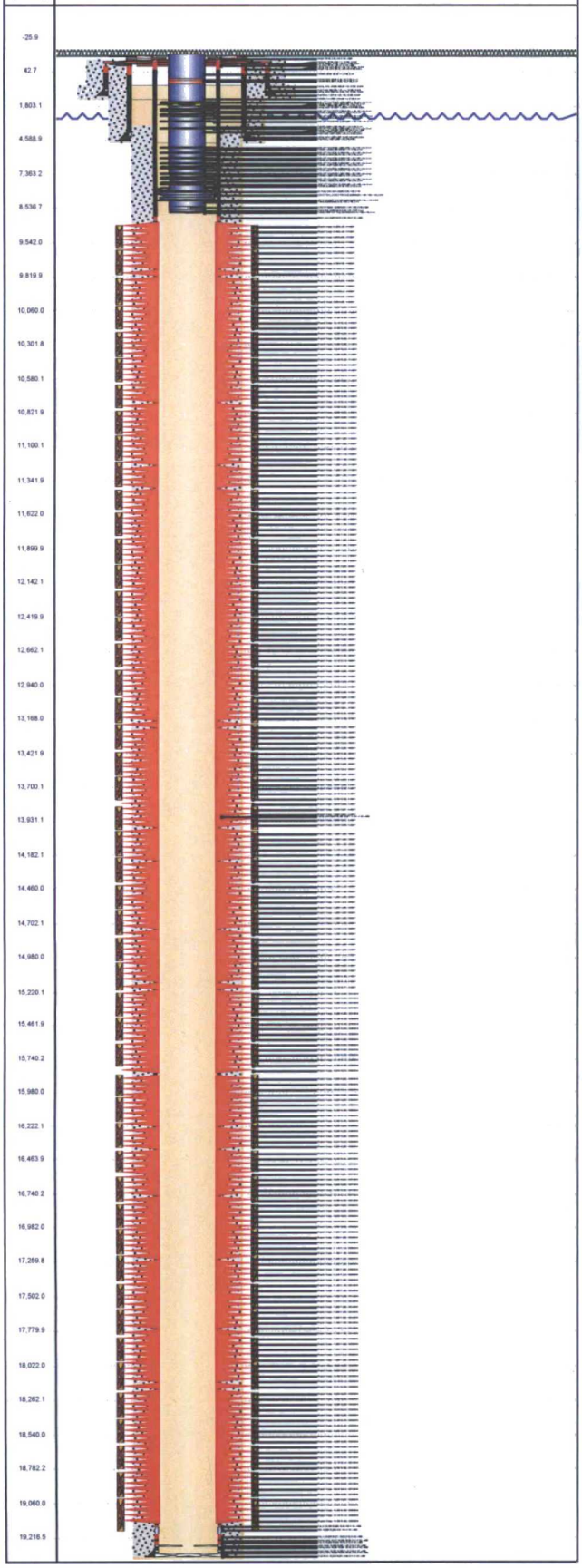
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
1/17/2017	9,540.0	9,542.0	6.0	8	Avalon, Original Hole
1/17/2017	9,580.0	9,582.0	6.0	8	Avalon, Original Hole
1/16/2017	9,620.0	9,622.0	6.0	8	Avalon, Original Hole
1/16/2017	9,660.0	9,662.0	6.0	8	Avalon, Original Hole
1/16/2017	9,700.0	9,702.0	6.0	8	Avalon, Original Hole
1/16/2017	9,740.0	9,742.0	6.0	8	Avalon, Original Hole
1/16/2017	9,780.0	9,782.0	6.0	8	Avalon, Original Hole
1/16/2017	9,900.0	9,902.0	6.0	8	Avalon, Original Hole
1/16/2017	9,920.0	9,922.0	6.0	8	Avalon, Original Hole
1/16/2017	9,940.0	9,942.0	6.0	8	Avalon, Original Hole
1/16/2017	9,960.0	9,962.0	6.0	8	Avalon, Original Hole
1/16/2017	9,980.0	9,982.0	6.0	8	Avalon, Original Hole
1/15/2017	10,020.0	10,022.0	6.0	8	Avalon, Original Hole
1/15/2017	10,060.0	10,062.0	6.0	8	Avalon, Original Hole
1/15/2017	10,100.0	10,102.0	6.0	8	Avalon, Original Hole
1/15/2017	10,140.0	10,142.0	6.0	8	Avalon, Original Hole
1/15/2017	10,180.0	10,182.0	6.0	8	Avalon, Original Hole
1/14/2017	10,220.0	10,222.0	6.0	8	Avalon, Original Hole
1/14/2017	10,260.0	10,262.0	6.0	8	Avalon, Original Hole
1/14/2017	10,300.0	10,302.0	6.0	8	Avalon, Original Hole
1/14/2017	10,340.0	10,342.0	6.0	8	Avalon, Original Hole
1/14/2017	10,380.0	10,382.0	6.0	8	Avalon, Original Hole
1/14/2017	10,420.0	10,422.0	6.0	8	Avalon, Original Hole
1/14/2017	10,460.0	10,462.0	6.0	8	Avalon, Original Hole
1/14/2017	10,500.0	10,502.0	6.0	8	Avalon, Original Hole
1/14/2017	10,540.0	10,542.0	6.0	8	Avalon, Original Hole
1/14/2017	10,580.0	10,582.0	6.0	8	Avalon, Original Hole
1/13/2017	10,620.0	10,622.0	6.0	8	Avalon, Original Hole
1/13/2017	10,660.0	10,662.0	6.0	8	Avalon, Original Hole
1/13/2017	10,700.0	10,702.0	6.0	8	Avalon, Original Hole
1/13/2017	10,740.0	10,742.0	6.0	8	Avalon, Original Hole
1/13/2017	10,780.0	10,782.0	6.0	8	Avalon, Original Hole
1/12/2017	10,820.0	10,822.0	6.0	8	Avalon, Original Hole
1/12/2017	10,860.0	10,862.0	6.0	8	Avalon, Original Hole
1/12/2017	10,900.0	10,902.0	6.0	8	Avalon, Original Hole
1/12/2017	10,940.0	10,942.0	6.0	8	Avalon, Original Hole
1/12/2017	10,980.0	10,982.0	6.0	8	Avalon, Original Hole
1/12/2017	11,020.0	11,022.0	6.0	8	Avalon, Original Hole
1/12/2017	11,060.0	11,062.0	6.0	8	Avalon, Original Hole
1/12/2017	11,100.0	11,102.0	6.0	8	Avalon, Original Hole
1/12/2017	11,140.0	11,142.0	6.0	8	Avalon, Original Hole
1/12/2017	11,180.0	11,182.0	6.0	8	Avalon, Original Hole
1/11/2017	11,220.0	11,222.0	6.0	8	Avalon, Original Hole
1/11/2017	11,260.0	11,262.0	6.0	8	Avalon, Original Hole
1/11/2017	11,300.0	11,302.0	6.0	8	Avalon, Original Hole
1/11/2017	11,340.0	11,342.0	6.0	8	Avalon, Original Hole
1/11/2017	11,380.0	11,382.0	6.0	8	Avalon, Original Hole
1/11/2017	11,460.0	11,462.0	6.0	8	Avalon, Original Hole
1/11/2017	11,500.0	11,502.0	6.0	8	Avalon, Original Hole
1/11/2017	11,540.0	11,542.0	6.0	8	Avalon, Original Hole
1/11/2017	11,580.0	11,582.0	6.0	8	Avalon, Original Hole
1/10/2017	11,620.0	11,622.0	6.0	8	Avalon, Original Hole
1/10/2017	11,660.0	11,662.0	6.0	8	Avalon, Original Hole
1/10/2017	11,700.0	11,702.0	6.0	8	Avalon, Original Hole
1/10/2017	11,740.0	11,742.0	6.0	8	Avalon, Original Hole
1/10/2017	11,780.0	11,782.0	6.0	8	Avalon, Original Hole
1/10/2017	11,820.0	11,822.0	6.0	8	Avalon, Original Hole
1/10/2017	11,860.0	11,862.0	6.0	8	Avalon, Original Hole

Report Printed: 3/1/2017

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:52 AM



Perforations

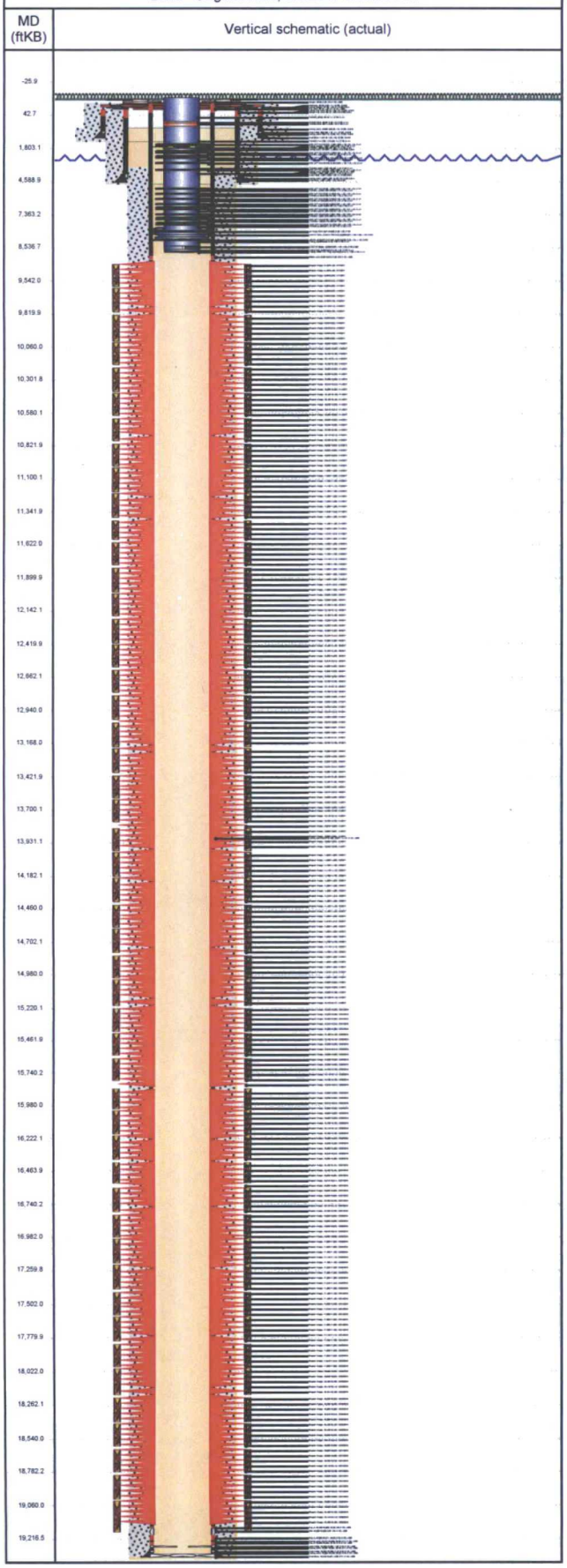
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
1/10/2017	11,900.0	11,902.0	6.0	8	Avalon, Original Hole
1/10/2017	11,940.0	11,942.0	6.0	8	Avalon, Original Hole
1/10/2017	11,980.0	11,982.0	6.0	8	Avalon, Original Hole
1/9/2017	12,020.0	12,022.0	6.0	8	Avalon, Original Hole
1/9/2017	12,060.0	12,062.0	6.0	8	Avalon, Original Hole
1/9/2017	12,100.0	12,102.0	6.0	8	Avalon, Original Hole
1/9/2017	12,140.0	12,142.0	6.0	8	Avalon, Original Hole
1/9/2017	12,180.0	12,182.0	6.0	8	Avalon, Original Hole
1/9/2017	12,220.0	12,222.0	6.0	8	Avalon, Original Hole
1/9/2017	12,260.0	12,262.0	6.0	8	Avalon, Original Hole
1/9/2017	12,300.0	12,302.0	6.0	8	Avalon, Original Hole
1/9/2017	12,340.0	12,342.0	6.0	8	Avalon, Original Hole
1/9/2017	12,380.0	12,382.0	6.0	8	Avalon, Original Hole
1/8/2017	12,420.0	12,422.0	6.0	8	Avalon, Original Hole
1/8/2017	12,460.0	12,462.0	6.0	8	Avalon, Original Hole
1/8/2017	12,500.0	12,502.0	6.0	8	Avalon, Original Hole
1/8/2017	12,540.0	12,542.0	6.0	8	Avalon, Original Hole
1/8/2017	12,580.0	12,582.0	6.0	8	Avalon, Original Hole
1/8/2017	12,620.0	12,622.0	6.0	8	Avalon, Original Hole
1/8/2017	12,660.0	12,662.0	6.0	8	Avalon, Original Hole
1/8/2017	12,700.0	12,702.0	6.0	8	Avalon, Original Hole
1/8/2017	12,740.0	12,742.0	6.0	8	Avalon, Original Hole
1/8/2017	12,780.0	12,782.0	6.0	8	Avalon, Original Hole
1/7/2017	12,820.0	12,822.0	6.0	8	Avalon, Original Hole
1/7/2017	12,860.0	12,862.0	6.0	8	Avalon, Original Hole
1/7/2017	12,900.0	12,902.0	6.0	8	Avalon, Original Hole
1/7/2017	12,940.0	12,942.0	6.0	8	Avalon, Original Hole
1/7/2017	12,980.0	12,982.0	6.0	8	Avalon, Original Hole
1/7/2017	13,018.0	13,020.0	6.0	8	Avalon, Original Hole
1/7/2017	13,055.0	13,057.0	6.0	8	Avalon, Original Hole
1/7/2017	13,092.0	13,094.0	6.0	8	Avalon, Original Hole
1/7/2017	13,129.0	13,131.0	6.0	8	Avalon, Original Hole
1/7/2017	13,166.0	13,168.0	6.0	8	Avalon, Original Hole
1/6/2017	13,220.0	13,222.0	6.0	8	Avalon, Original Hole
1/6/2017	13,260.0	13,262.0	6.0	8	Avalon, Original Hole
1/6/2017	13,300.0	13,302.0	6.0	8	Avalon, Original Hole
1/6/2017	13,340.0	13,342.0	6.0	8	Avalon, Original Hole
1/6/2017	13,380.0	13,382.0	6.0	8	Avalon, Original Hole
1/5/2017	13,420.0	13,422.0	6.0	8	Avalon, Original Hole
1/5/2017	13,460.0	13,462.0	6.0	8	Avalon, Original Hole
1/5/2017	13,500.0	13,502.0	6.0	8	Avalon, Original Hole
1/5/2017	13,540.0	13,542.0	6.0	8	Avalon, Original Hole
1/5/2017	13,580.0	13,582.0	6.0	8	Avalon, Original Hole
1/4/2017	13,620.0	13,622.0	6.0	8	Avalon, Original Hole
1/4/2017	13,660.0	13,662.0	6.0	8	Avalon, Original Hole
1/4/2017	13,700.0	13,702.0	6.0	8	Avalon, Original Hole
1/4/2017	13,740.0	13,742.0	6.0	8	Avalon, Original Hole
1/4/2017	13,780.0	13,782.0	6.0	8	Avalon, Original Hole
1/4/2017	13,818.0	13,820.0	6.0	8	Avalon, Original Hole
1/4/2017	13,855.0	13,857.0	6.0	8	Avalon, Original Hole
1/4/2017	13,892.0	13,894.0	6.0	8	Avalon, Original Hole
1/4/2017	13,929.0	13,931.0	6.0	8	Avalon, Original Hole
1/4/2017	13,966.0	13,968.0	6.0	8	Avalon, Original Hole
1/3/2017	14,020.0	14,022.0	6.0	8	Avalon, Original Hole
1/3/2017	14,060.0	14,062.0	6.0	8	Avalon, Original Hole
1/3/2017	14,100.0	14,102.0	6.0	8	Avalon, Original Hole
1/3/2017	14,140.0	14,142.0	6.0	8	Avalon, Original Hole
1/3/2017	14,180.0	14,182.0	6.0	8	Avalon, Original Hole

Report Printed: 3/1/2017

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:53 AM



Perforations

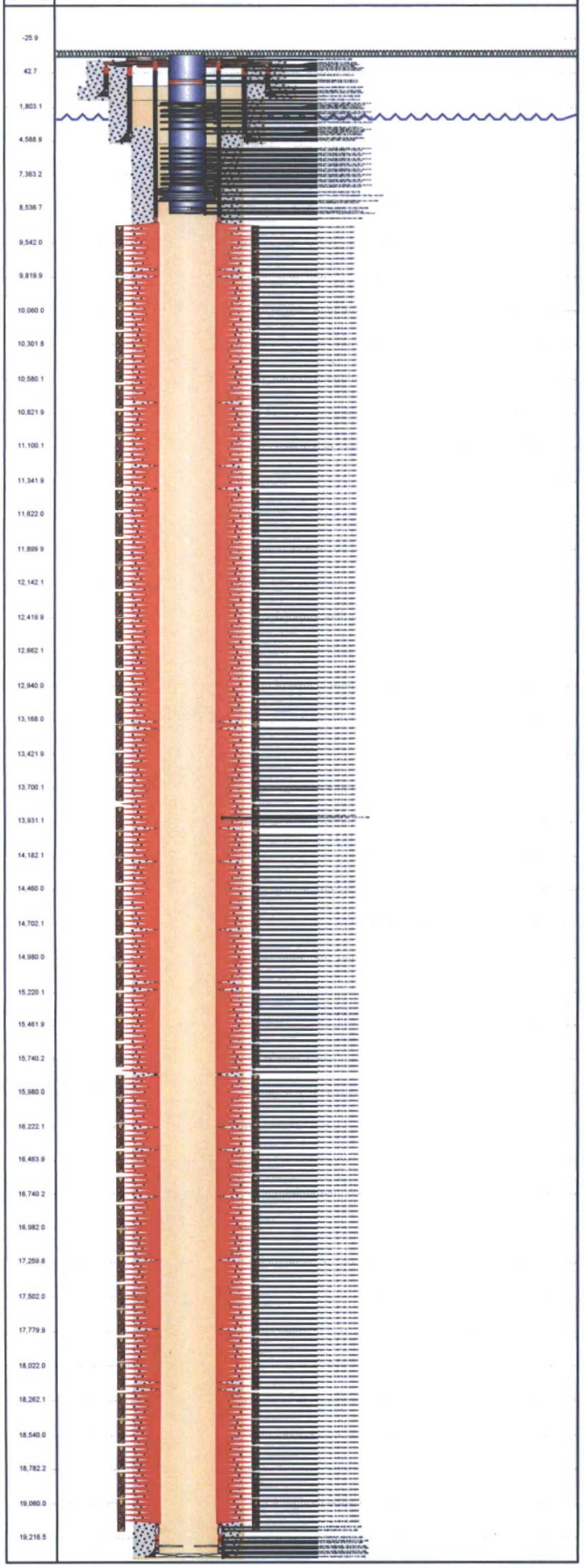
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
1/3/2017	14,220.0	14,222.0	6.0	8	Avalon, Original Hole
1/3/2017	14,260.0	14,262.0	6.0	8	Avalon, Original Hole
1/3/2017	14,300.0	14,302.0	6.0	8	Avalon, Original Hole
1/3/2017	14,340.0	14,342.0	6.0	8	Avalon, Original Hole
1/3/2017	14,380.0	14,382.0	6.0	8	Avalon, Original Hole
1/2/2017	14,420.0	14,422.0	6.0	8	Avalon, Original Hole
1/2/2017	14,460.0	14,462.0	6.0	8	Avalon, Original Hole
1/2/2017	14,500.0	14,502.0	6.0	8	Avalon, Original Hole
1/2/2017	14,540.0	14,542.0	6.0	8	Avalon, Original Hole
1/2/2017	14,580.0	14,582.0	6.0	8	Avalon, Original Hole
1/2/2017	14,620.0	14,622.0	6.0	8	Avalon, Original Hole
1/2/2017	14,660.0	14,662.0	6.0	8	Avalon, Original Hole
1/2/2017	14,700.0	14,702.0	6.0	8	Avalon, Original Hole
1/2/2017	14,740.0	14,742.0	6.0	8	Avalon, Original Hole
1/2/2017	14,780.0	14,782.0	6.0	8	Avalon, Original Hole
1/1/2017	14,820.0	14,822.0	6.0	8	Avalon, Original Hole
1/1/2017	14,860.0	14,862.0	6.0	8	Avalon, Original Hole
1/1/2017	14,900.0	14,902.0	6.0	8	Avalon, Original Hole
1/1/2017	14,940.0	14,942.0	6.0	8	Avalon, Original Hole
1/1/2017	14,980.0	14,982.0	6.0	8	Avalon, Original Hole
1/1/2017	15,020.0	15,022.0	6.0	8	Avalon, Original Hole
1/1/2017	15,056.0	15,058.0	6.0	8	Avalon, Original Hole
1/1/2017	15,098.0	15,100.0	6.0	8	Avalon, Original Hole
1/1/2017	15,138.0	15,140.0	6.0	8	Avalon, Original Hole
1/1/2017	15,175.0	15,177.0	6.0	8	Avalon, Original Hole
12/31/2016	15,220.0	15,222.0	6.0	8	Avalon, Original Hole
12/31/2016	15,260.0	15,262.0	6.0	8	Avalon, Original Hole
12/31/2016	15,300.0	15,302.0	6.0	8	Avalon, Original Hole
12/31/2016	15,340.0	15,342.0	6.0	8	Avalon, Original Hole
12/31/2016	15,380.0	15,382.0	6.0	8	Avalon, Original Hole
12/30/2016	15,420.0	15,422.0	6.0	8	Avalon, Original Hole
12/30/2016	15,460.0	15,462.0	6.0	8	Avalon, Original Hole
12/30/2016	15,500.0	15,502.0	6.0	8	Avalon, Original Hole
12/30/2016	15,540.0	15,542.0	6.0	8	Avalon, Original Hole
12/30/2016	15,580.0	15,582.0	6.0	8	Avalon, Original Hole
12/30/2016	15,620.0	15,622.0	6.0	8	Avalon, Original Hole
12/30/2016	15,660.0	15,662.0	6.0	8	Avalon, Original Hole
12/30/2016	15,700.0	15,702.0	6.0	8	Avalon, Original Hole
12/30/2016	15,740.0	15,742.0	6.0	8	Avalon, Original Hole
12/30/2016	15,780.0	15,782.0	6.0	8	Avalon, Original Hole
12/29/2016	15,810.0	15,812.0	6.0	8	Avalon, Original Hole
12/29/2016	15,860.0	15,862.0	6.0	8	Avalon, Original Hole
12/29/2016	15,900.0	15,902.0	6.0	8	Avalon, Original Hole
12/29/2016	15,940.0	15,942.0	6.0	8	Avalon, Original Hole
12/29/2016	15,980.0	15,982.0	6.0	8	Avalon, Original Hole
12/28/2016	16,020.0	16,022.0	6.0	8	Avalon, Original Hole
12/28/2016	16,060.0	16,062.0	6.0	8	Avalon, Original Hole
12/28/2016	16,100.0	16,102.0	6.0	8	Avalon, Original Hole
12/28/2016	16,140.0	16,142.0	6.0	8	Avalon, Original Hole
12/28/2016	16,180.0	16,182.0	6.0	8	Avalon, Original Hole
12/28/2016	16,220.0	16,222.0	6.0	8	Avalon, Original Hole
12/28/2016	16,260.0	16,262.0	6.0	8	Avalon, Original Hole
12/28/2016	16,300.0	16,302.0	6.0	8	Avalon, Original Hole
12/28/2016	16,340.0	16,342.0	6.0	8	Avalon, Original Hole
12/28/2016	16,380.0	16,382.0	6.0	8	Avalon, Original Hole
12/27/2016	16,422.0	16,424.0	6.0	8	Avalon, Original Hole
12/27/2016	16,462.0	16,464.0	6.0	8	Avalon, Original Hole
12/27/2016	16,502.0	16,504.0	6.0	8	Avalon, Original Hole

Report Printed: 3/1/2017

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:54 AM



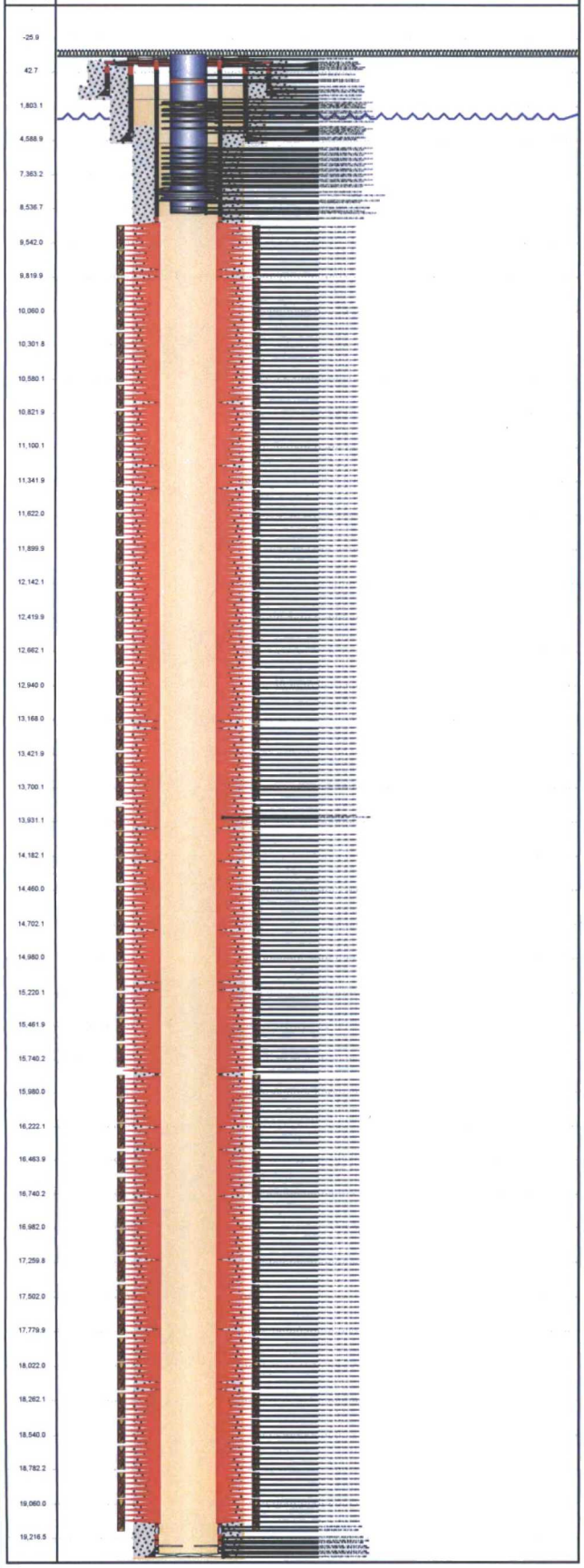
Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
12/27/2016	16,542.0	16,544.0	6.0	8	Avalon, Original Hole
12/27/2016	16,582.0	16,584.0	6.0	8	Avalon, Original Hole
12/27/2016	16,620.0	16,622.0	6.0	8	Avalon, Original Hole
12/27/2016	16,660.0	16,662.0	6.0	8	Avalon, Original Hole
12/27/2016	16,700.0	16,702.0	6.0	8	Avalon, Original Hole
12/27/2016	16,740.0	16,742.0	6.0	8	Avalon, Original Hole
12/27/2016	16,780.0	16,782.0	6.0	8	Avalon, Original Hole
12/26/2016	16,820.0	16,822.0	6.0	8	Avalon, Original Hole
12/26/2016	16,860.0	16,862.0	6.0	8	Avalon, Original Hole
12/26/2016	16,900.0	16,902.0	6.0	8	Avalon, Original Hole
12/26/2016	16,940.0	16,942.0	6.0	8	Avalon, Original Hole
12/26/2016	16,980.0	16,982.0	6.0	8	Avalon, Original Hole
12/26/2016	17,020.0	17,022.0	6.0	8	Avalon, Original Hole
12/26/2016	17,060.0	17,062.0	6.0	8	Avalon, Original Hole
12/26/2016	17,100.0	17,102.0	6.0	8	Avalon, Original Hole
12/26/2016	17,140.0	17,142.0	6.0	8	Avalon, Original Hole
12/26/2016	17,180.0	17,182.0	6.0	8	Avalon, Original Hole
12/25/2016	17,220.0	17,222.0	6.0	8	Avalon, Original Hole
12/25/2016	17,260.0	17,262.0	6.0	8	Avalon, Original Hole
12/25/2016	17,300.0	17,302.0	6.0	8	Avalon, Original Hole
12/25/2016	17,340.0	17,342.0	6.0	8	Avalon, Original Hole
12/25/2016	17,380.0	17,382.0	6.0	8	Avalon, Original Hole
12/24/2016	17,420.0	17,422.0	6.0	8	Avalon, Original Hole
12/24/2016	17,460.0	17,462.0	6.0	8	Avalon, Original Hole
12/24/2016	17,500.0	17,502.0	6.0	8	Avalon, Original Hole
12/24/2016	17,540.0	17,542.0	6.0	8	Avalon, Original Hole
12/24/2016	17,580.0	17,582.0	6.0	8	Avalon, Original Hole
12/24/2016	17,620.0	17,622.0	6.0	8	Avalon, Original Hole
12/24/2016	17,660.0	17,662.0	6.0	8	Avalon, Original Hole
12/24/2016	17,700.0	17,702.0	6.0	8	Avalon, Original Hole
12/24/2016	17,740.0	17,742.0	6.0	8	Avalon, Original Hole
12/24/2016	17,780.0	17,782.0	6.0	8	Avalon, Original Hole
12/23/2016	17,820.0	17,822.0	6.0	8	Avalon, Original Hole
12/23/2016	17,860.0	17,862.0	6.0	8	Avalon, Original Hole
12/23/2016	17,900.0	17,902.0	6.0	8	Avalon, Original Hole
12/23/2016	17,940.0	17,942.0	6.0	8	Avalon, Original Hole
12/23/2016	17,980.0	17,982.0	6.0	8	Avalon, Original Hole
12/23/2016	18,020.0	18,022.0	6.0	8	Avalon, Original Hole
12/23/2016	18,060.0	18,062.0	6.0	8	Avalon, Original Hole
12/23/2016	18,100.0	18,102.0	6.0	8	Avalon, Original Hole
12/23/2016	18,140.0	18,142.0	6.0	8	Avalon, Original Hole
12/23/2016	18,154.0	18,156.0	6.0	8	Avalon, Original Hole
12/22/2016	18,220.0	18,222.0	6.0	8	Avalon, Original Hole
12/22/2016	18,260.0	18,262.0	6.0	8	Avalon, Original Hole
12/22/2016	18,300.0	18,302.0	6.0	8	Avalon, Original Hole
12/22/2016	18,340.0	18,342.0	6.0	8	Avalon, Original Hole
12/22/2016	18,380.0	18,382.0	6.0	8	Avalon, Original Hole
12/22/2016	18,420.0	18,422.0	6.0	8	Avalon, Original Hole
12/22/2016	18,460.0	18,462.0	6.0	8	Avalon, Original Hole
12/22/2016	18,500.0	18,502.0	6.0	8	Avalon, Original Hole
12/22/2016	18,540.0	18,542.0	6.0	8	Avalon, Original Hole
12/22/2016	18,580.0	18,582.0	6.0	8	Avalon, Original Hole
12/21/2016	18,620.0	18,622.0	6.0	8	Avalon, Original Hole
12/21/2016	18,660.0	18,662.0	6.0	8	Avalon, Original Hole
12/21/2016	18,700.0	18,702.0	6.0	8	Avalon, Original Hole
12/21/2016	18,740.0	18,742.0	6.0	8	Avalon, Original Hole
12/21/2016	18,780.0	18,782.0	6.0	8	Avalon, Original Hole
12/21/2016	18,820.0	18,822.0	6.0	8	Avalon, Original Hole

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:55 AM



Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Linked Zone
12/21/2016	18,860.0	18,862.0	6.0	8	Avalon, Original Hole
12/21/2016	18,900.0	18,902.0	6.0	8	Avalon, Original Hole
12/21/2016	18,940.0	18,942.0	6.0	8	Avalon, Original Hole
12/21/2016	18,980.0	18,982.0	6.0	8	Avalon, Original Hole
12/20/2016	19,020.0	19,022.0	6.0	8	Avalon, Original Hole
12/20/2016	19,060.0	19,062.0	6.0	8	Avalon, Original Hole
12/20/2016	19,100.0	19,102.0	6.0	8	Avalon, Original Hole
12/20/2016	19,140.0	19,142.0	6.0	8	Avalon, Original Hole
12/20/2016	19,180.0	19,182.0	6.0	8	Avalon, Original Hole

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

Other In Hole

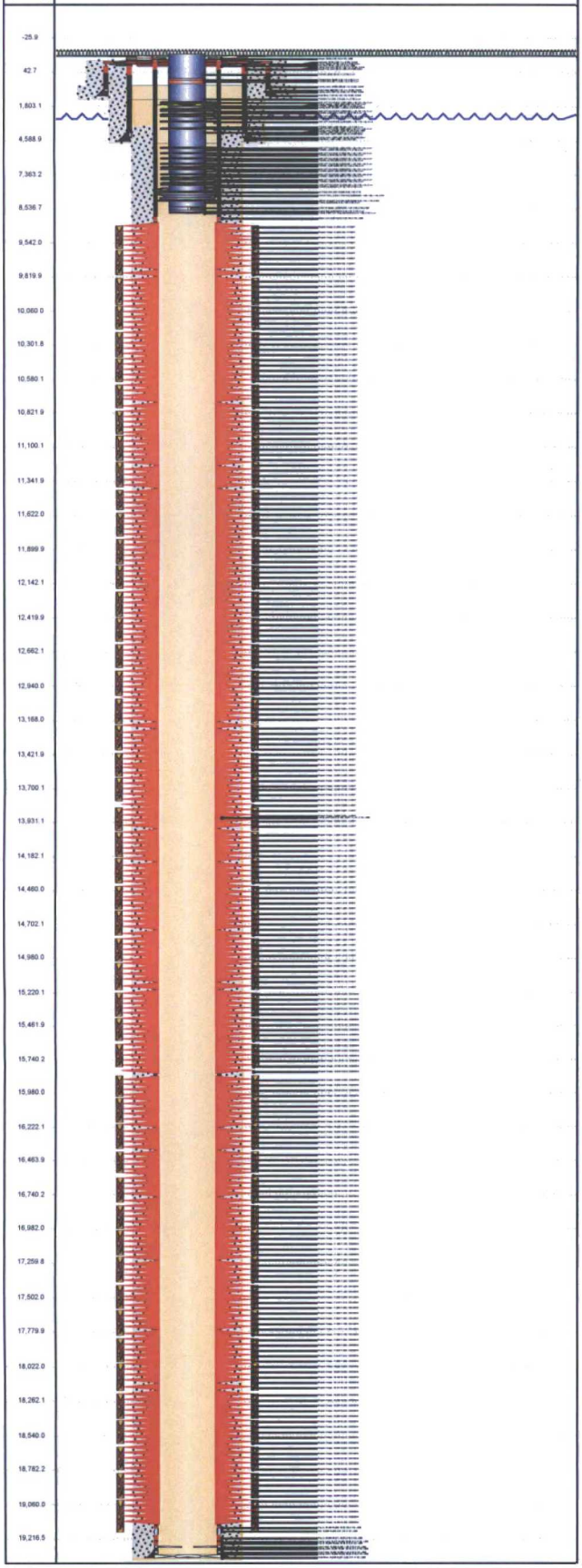
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Packer (retrievable)	8,513.0	8,521.0	1/27/2017		Production PKR
Tailpipe	8,521.0	8,535.0	1/27/2017		
Composite Frac Plug (drop ball)	9,600.0	9,602.0	1/17/2017	1/24/2017	Stage 49
Composite Frac Plug (drop ball)	9,800.0	9,802.0	1/16/2017	1/24/2017	Stage 48
Composite Frac Plug (drop ball)	10,000.0	10,002.0	1/16/2017	1/24/2017	Stage 47
Composite Frac Plug (drop ball)	10,200.0	10,202.0	1/15/2017	1/24/2017	Stage 46
Composite Frac Plug (drop ball)	10,400.0	10,402.0	1/14/2017	1/24/2017	Stage 45
Composite Frac Plug (drop ball)	10,600.0	10,602.0	1/14/2017	1/24/2017	Stage 44
Composite Frac Plug (drop ball)	10,800.0	10,802.0	1/13/2017	1/24/2017	Stage 43
Composite Frac Plug (drop ball)	11,000.0	11,002.0	1/12/2017	1/24/2017	Stage 42
Composite Frac Plug (drop ball)	11,200.0	11,202.0	1/12/2017	1/24/2017	Stage 41
Composite Frac Plug (drop ball)	11,400.0	11,402.0	1/11/2017	1/24/2017	Stage 40
Composite Frac Plug (drop ball)	11,600.0	11,602.0	1/11/2017	1/24/2017	Stage 39
Composite Frac Plug (drop ball)	11,800.0	11,802.0	1/10/2017	1/24/2017	Stage 38
Composite Frac Plug (drop ball)	12,000.0	12,002.0	1/10/2017	1/24/2017	Stage 37
Composite Frac Plug (drop ball)	12,200.0	12,202.0	1/9/2017	1/24/2017	Stage 36
Composite Frac Plug (drop ball)	12,400.0	12,402.0	1/9/2017	1/24/2017	Stage 35
Composite Frac Plug (drop ball)	12,600.0	12,602.0	1/8/2017	1/24/2017	Stage 34
Composite Frac Plug (drop ball)	12,800.0	12,802.0	1/8/2017	1/24/2017	Stage 33
Composite Frac Plug (drop ball)	13,000.0	13,002.0	1/7/2017	1/24/2017	Stage 32
Composite Frac Plug (drop ball)	13,200.0	13,202.0	1/7/2017	1/24/2017	Stage 31
Composite Frac Plug (drop ball)	13,400.0	13,402.0	1/6/2017	1/24/2017	Stage 30
Composite Frac Plug (drop ball)	13,600.0	13,602.0	1/5/2017	1/24/2017	Stage 29
Composite Frac Plug (drop ball)	13,800.0	13,802.0	1/4/2017	1/24/2017	Stage 28

Report Printed: 3/1/2017

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
SALADO DRAW WE 24 FED P23 001H		JENNINGS	Mid-Continent

Land - Original Hole, 3/1/2017 8:01:56 AM



Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Composite Frac Plug (drop ball)	14,000.0	14,002.0	1/4/2017	1/24/2017	Stage 27
Composite Frac Plug (drop ball)	14,199.0	14,201.0	1/3/2017	1/24/2017	Stage 26
Composite Frac Plug (drop ball)	14,400.0	14,402.0	1/3/2017	1/24/2017	Stage 25
Composite Frac Plug (drop ball)	14,600.0	14,602.0	1/2/2017	1/24/2017	Stage 24
Composite Frac Plug (drop ball)	14,800.0	14,802.0	1/2/2017	1/24/2017	Stage 23
Composite Frac Plug (drop ball)	15,000.0	15,002.0	1/1/2017	1/24/2017	Stage 22
Composite Frac Plug (drop ball)	15,200.0	15,202.0	1/1/2017	1/24/2017	Stage 21
Composite Frac Plug (drop ball)	15,400.0	15,402.0	12/31/2016	1/24/2017	Stage 20
Composite Frac Plug (drop ball)	15,600.0	15,602.0	12/30/2016	1/24/2017	Stage 19
Composite Frac Plug (drop ball)	15,795.0	15,797.0	12/30/2016	1/24/2017	Stage 18
Composite Frac Plug (drop ball)	16,000.0	16,002.0	12/29/2016	1/24/2017	Stage 17
Composite Frac Plug (drop ball)	16,200.0	16,202.0	12/28/2016	1/24/2017	Stage 16
Composite Frac Plug (drop ball)	16,400.0	16,402.0	12/28/2016	1/24/2017	Stage 15
Composite Frac Plug (drop ball)	16,600.0	16,602.0	12/27/2016	1/24/2017	Stage 14
Composite Frac Plug (drop ball)	16,800.0	16,802.0	12/27/2016	1/25/2017	Stage 13
Composite Frac Plug (drop ball)	17,000.0	17,002.0	12/26/2016	1/25/2017	Stage 12
Composite Frac Plug (drop ball)	17,200.0	17,202.0	12/26/2016	1/25/2017	Stage 11
Composite Frac Plug (drop ball)	17,400.0	17,402.0	12/25/2016	1/25/2017	Stage 10
Composite Frac Plug (drop ball)	17,600.0	17,602.0	12/24/2016	1/25/2017	Stage 9
Composite Frac Plug (drop ball)	17,800.0	17,802.0	12/24/2016	1/25/2017	Stage 8
Composite Frac Plug (drop ball)	18,000.0	18,002.0	12/23/2016	1/25/2017	Stage 7
Composite Frac Plug (drop ball)	18,200.0	18,202.0	12/23/2016	1/25/2017	Stage 6
Composite Frac Plug (drop ball)	18,400.0	18,402.0	12/22/2016	1/25/2017	Stage 5
Composite Frac Plug (drop ball)	18,600.0	18,602.0	12/22/2016	1/25/2017	Stage 4
Composite Frac Plug (drop ball)	18,800.0	18,802.0	12/21/2016	1/25/2017	Stage 3
Composite Frac Plug (drop ball)	19,000.0	19,002.0	12/21/2016	1/25/2017	Stage 2

Report Printed: 3/1/2017