

Last Updated: 2/8/2017 01:24 PM

Field Name	Lease Name	Well No.
Lennox	Lennox 33 State	6H
County	State	API No.
Lea	New Mexico	30025433490000
Version	Version Tag	
1		
GL (ft)	KB (ft)	Section
3,526.0	3,548.0	32
Township/Block	Range/Survey	
22S	35E	
Operator	Well Status	Latitude
Caza Oil and Gas, Inc	Completed	32.354465
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)
330	FNL	200
E/W Line	Footage From	
FEL	Section	
Prop Num	Spud Date	Comp. Date
39017	9/30/2016	11/20/2016
Additional Information		
OGRID	Well Type	Pool Name and Number
249099	Horizontal Oil	Rock Lake; Delaware (97663)
Lease No. and Bond No.		
Prepared By	Updated By	Last Updated
Steve Morris	Steve Morris	2/8/2017 1:24 PM

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
10/2/2016	17.500	0	2,115	
10/7/2016	12.250	2,115	5,785	
10/22/2016	8.750	5,785	14,713	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
10/2/2016	Surface Casing	13.375	54.50	J-55	0	2,115
10/7/2016	Intermediate Casing	9.625	40.00	J-55	0	4,315
10/7/2016	Intermediate Casing	9.625	40.00	L-80	4,315	5,785
10/22/2016	Production Casing	5.500	17.00	P-110	0	14,713
11/20/2016	Tubing	2.875	6.50	L-80	0	8,135

Casing Cement Summary

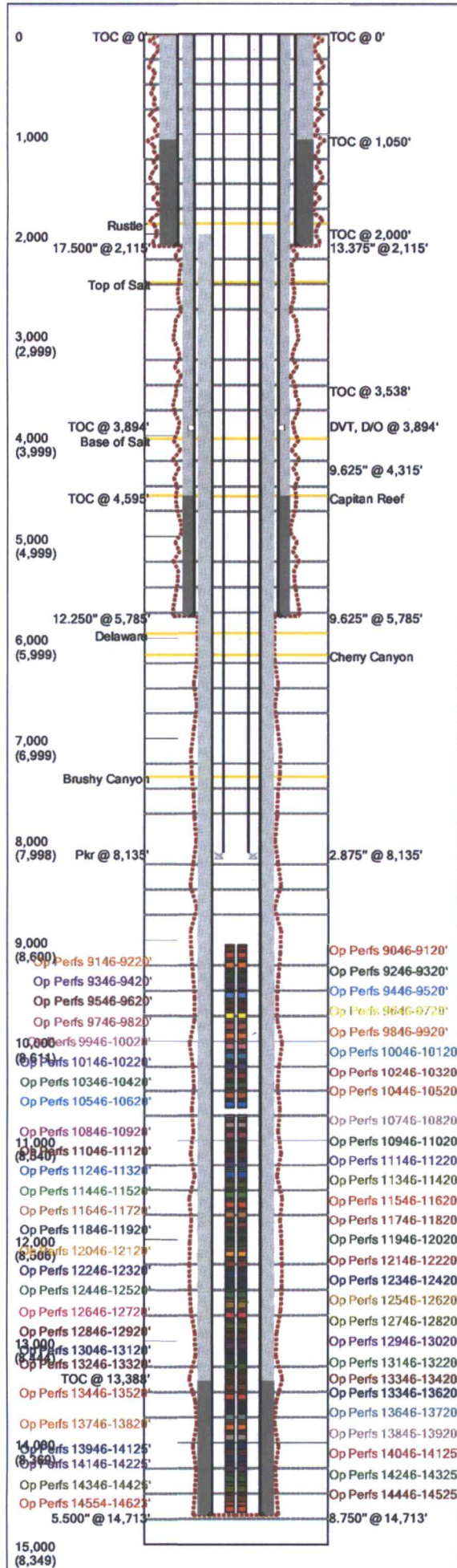
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	10/3/2016	1,162	13.375	0	1,050	Circulated 200bbls to surface
	10/3/2016	552	13.375	1,050	2,115	
	10/7/2016	1,312	9.625	0	3,894	TOC - 2160 temp log. Perform top job to surface
	10/7/2016	163	9.625	3,894	4,595	
	10/7/2016	616	9.625	4,595	5,785	
	10/22/2016	259	5.500	2,000	3,538	TOC 2000' temp log
	10/22/2016	2,019	5.500	3,538	13,388	
	10/22/2016	150	5.500	13,388	14,713	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
10/7/2016	DVT, D/O	9.625	0.000	3,894	0
11/20/2016	Pkr	4.892	2.875	8,135	0

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
	11/15/2016	Open	Lower Brushy Canyon	9,046	9,120	96
	11/15/2016	Open	Lower Brushy Canyon	9,146	9,220	96
	11/14/2016	Open	Lower Brushy Canyon	9,246	9,320	96
	11/14/2016	Open	Lower Brushy Canyon	9,346	9,420	96
	11/14/2016	Open	Lower Brushy Canyon	9,446	9,520	96
	11/14/2016	Open	Lower Brushy Canyon	9,546	9,620	96
	11/14/2016	Open	Lower Brushy Canyon	9,646	9,720	96
	11/14/2016	Open	Lower Brushy Canyon	9,746	9,820	96
	11/14/2016	Open	Lower Brushy Canyon	9,846	9,920	96
	11/14/2016	Open	Lower Brushy Canyon	9,946	10,020	96
	11/13/2016	Open	Lower Brushy Canyon	10,046	10,120	96



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C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
	11/13/2016	Open	Lower Brushy Canyon	10,146	10,220	96
	11/13/2016	Open	Lower Brushy Canyon	10,246	10,320	96
	11/13/2016	Open	Lower Brushy Canyon	10,346	10,420	96
	11/13/2016	Open	Lower Brushy Canyon	10,446	10,520	96
	11/13/2016	Open	Lower Brushy Canyon	10,546	10,620	96
	11/13/2016	Open	Lower Brushy Canyon	10,746	10,820	96
	11/13/2016	Open	Lower Brushy Canyon	10,846	10,920	96
	11/12/2016	Open	Lower Brushy Canyon	10,946	11,020	96
	11/12/2016	Open	Lower Brushy Canyon	11,046	11,120	96
	11/12/2016	Open	Lower Brushy Canyon	11,146	11,220	96
	11/12/2016	Open	Lower Brushy Canyon	11,246	11,320	96
	11/12/2016	Open	Lower Brushy Canyon	11,346	11,420	96
	11/12/2016	Open	Lower Brushy Canyon	11,446	11,520	96
	11/12/2016	Open	Lower Brushy Canyon	11,546	11,620	96
	11/12/2016	Open	Lower Brushy Canyon	11,646	11,720	96
	11/12/2016	Open	Lower Brushy Canyon	11,746	11,820	96
	11/11/2016	Open	Lower Brushy Canyon	11,846	11,920	96
	11/11/2016	Open	Lower Brushy Canyon	11,946	12,020	96
	11/11/2016	Open	Lower Brushy Canyon	12,046	12,120	96
	11/11/2016	Open	Lower Brushy Canyon	12,146	12,220	96
	11/11/2016	Open	Lower Brushy Canyon	12,246	12,320	96
	11/11/2016	Open	Lower Brushy Canyon	12,346	12,420	96
	11/11/2016	Open	Lower Brushy Canyon	12,446	12,520	96
	11/10/2016	Open	Lower Brushy Canyon	12,546	12,620	96
	11/10/2016	Open	Lower Brushy Canyon	12,646	12,720	96
	11/10/2016	Open	Lower Brushy Canyon	12,746	12,820	96
	11/10/2016	Open	Lower Brushy Canyon	12,846	12,920	96
	11/10/2016	Open	Lower Brushy Canyon	12,946	13,020	96
	11/10/2016	Open	Lower Brushy Canyon	13,046	13,120	96
	11/10/2016	Open	Lower Brushy Canyon	13,146	13,220	96
	11/9/2016	Open	Lower Brushy Canyon	13,246	13,320	96
	11/9/2016	Open	Lower Brushy Canyon	13,346	13,620	96
	11/9/2016	Open	Lower Brushy Canyon	13,346	13,420	96
	11/9/2016	Open	Lower Brushy Canyon	13,446	13,520	96
	11/9/2016	Open	Lower Brushy Canyon	13,646	13,720	96
	11/9/2016	Open	Lower Brushy Canyon	13,746	13,820	96
	11/9/2016	Open	Lower Brushy Canyon	13,846	13,920	96
	11/8/2016	Open	Lower Brushy Canyon	13,946	14,125	96
	11/8/2016	Open	Lower Brushy Canyon	14,046	14,125	96
	11/8/2016	Open	Lower Brushy Canyon	14,146	14,225	96
	11/7/2016	Open	Lower Brushy Canyon	14,246	14,325	96
	11/7/2016	Open	Lower Brushy Canyon	14,346	14,425	96
	11/7/2016	Open	Lower Brushy Canyon	14,446	14,525	96
	11/7/2016	Open	Lower Brushy Canyon	14,554	14,623	8

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Formation Tops Summary

Formation	Top (TVD ft)	Comments
Rustler	1,896	
Top of Salt	2,478	
Base of Salt	4,031	
Capitan Reef	4,597	
Delaware	5,951	
Cherry Canyon	6,165	
Brushy Canyon	7,380	

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Field Name	Lease Name	Well No.	County	State	API No.
Lennox	Lennox 33 State	6H	Lea	New Mexico	30025433490000
Version	Version Tag	Spud Date	Comp. Date	GL (ft)	KB (ft)
1		9/30/2016	11/20/2016	3,526.0	3,548.0
Section	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)
32	22S	35E	330	FNL	200
Operator	Well Status	Latitude	Longitude	Prop Num	
Caza Oil and Gas, Inc	Completed	32.354465	-103.381293	39017	
OGRID	Well Type	Pool Name and Number	Lease No. and Bond No.		
249099	Horizontal Oil	Rock Lake; Delaware (97663)			
Last Updated	Prepared By	Updated By			
02/08/2017 1:24 PM	Steve Morris	Steve Morris			
Additional Information					

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
10/2/2016	17.500	0	2,115	
10/7/2016	12.250	2,115	5,785	
10/22/2016	8.750	5,785	14,713	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
10/2/2016	Surface Casing	52	13.375	54.50	J-55	0	2,115	
10/7/2016	Intermediate Casing	100	9.625	40.00	J-55	0	4,315	
10/7/2016	Intermediate Casing	36	9.625	40.00	L-80	4,315	5,785	
10/22/2016	Production Casing	344	5.500	17.00	P-110	0	14,713	
11/20/2016	Tubing		2.875	6.50	L-80	0	8,135	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	10/3/2016	1,162	1.85	2,150	13.375	0	1,050	13.5ppg, 4% CaCl2=1/4pps celloflake=2/10% c-41p	Circulated 200bbbls to surface
	10/3/2016	552	1.34	740	13.375	1,050	2,115	14.8ppg 2% CaCl2	
	10/7/2016	1,312	2.06	2,703	9.625	0	3,894	12.7ppg	TOC - 2160 temp log. Perfrom top job to surface
	10/7/2016	163	2.06	336	9.625	3,894	4,595	12.7ppg	
	10/7/2016	616	1.34	825	9.625	4,595	5,785	14.8ppg	
	10/22/2016	259	3.21	831	5.500	2,000	3,538	11ppg 50/50 poz H	TOC 2000' temp log
	10/22/2016	2,019	1.23	2,483	5.500	3,538	13,388	14.4ppg 50/50 poz H	
	10/22/2016	150	2.56	384	5.500	13,388	14,713	15ppg class h	

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
10/7/2016	DV tool (drilled out)	9.625	0.000	3,894	0		
11/20/2016	Packer	4.892	2.875	8,135	0		

Perforation Summary

C	Date	Perf. Status	Formation		Comments	
	11/7/2016	Open	Lower Brushy Canyon		Frac w/ 2072 bbls comprised of 122 bbls 15% HCL, 18 bbls Rhino NSF, 828 bbls Liberty FR, 192 bbls 12# Linear Gel, and 664 bbls 12# Justice. Pumped 35,920# 40/70 White, 15,640# 20/40 White, and 17,240# 20/40 CRC. AR-23bpm, MaxR-31bpm, AP-1850#, MaxP-2864	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,622	14,623	1	4	60	RSI Sleeve
	14,554	14,555	1	4	60	RSI Sleeve
C	Date	Perf. Status	Formation		Comments	
	11/7/2016	Open	Lower Brushy Canyon		2453 bbls comprised of 37 bbls of 15% HCL, 18 bbls Rhino NSF, 832 bbls Liberty FR, 192 bbls 12# Linear Gel, and 682 bbls 12# Justice. Pumped 35,000# 40/70 White, 16,000# 20/40 White, and 18,000# 20/40 CRC. AR-30bpm, MaxR-31bpm, AP-1967#, MaxP-3130#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,446	14,450	6	24	60	
	14,471	14,475	6	24	60	
	14,496	14,500	6	24	60	
	14,521	14,525	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/7/2016	Open	Lower Brushy Canyon		1911 bbls comprised of 37 bbls of 15% HCL, 17 bbls Rhino NSF, 698 bbls Liberty FR, 143 bbls 12# Linear Gel, and 492 bbls 12# Justice. Pumped 24,000# 40/70 White, 10,000# 20/40 White, and 10,760# 20/40 CRC. AR-30bpm, MaxR-31bpm, AP-2107#, MaxP-2855#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,346	14,350	6	24	60	
	14,371	14,375	6	24	60	
	14,396	14,400	6	24	60	
	14,421	14,425	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/7/2016	Open	Lower Brushy Canyon		2122 bbls comprised of 35 bbls of 15% HCL, 23 bbls Rhino NSF, 727 bbls Liberty FR, 142 bbls 12# Linear Gel, and 0 bbls 12# Justice. Pumped 27,000# 40/70 White, 10,500# 20/40 White, and 9,000# 20/40 CRC. AR-25bpm, MaxR-31bpm, AP-2106#, MaxP-3671#. ISIP-	

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,246	14,250	6	24	60	
	14,271	14,275	6	24	60	
	14,296	14,300	6	24	60	
	14,321	14,325	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/8/2016	Open	Lower Brushy Canyon		1884 bbls comprised of 36 bbls of 15% HCL, 17 bbls Rhino NSF, 631 bbls Liberty FR, 202 bbls 12# Linear Gel, and 470 bbls 12# Justice. Pumped 27,000# 40/70 White, 12,000# 20/40 White, and 10,000# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2182#, MaxP-3211#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,146	14,150	6	24	60	
	14,171	14,175	6	24	60	
	14,196	14,200	6	24	60	
	14,221	14,225	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/8/2016	Open	Lower Brushy Canyon		1877 bbls comprised of 35 bbls of 15% HCL, 24 bbls Rhino NSF, 688 bbls Liberty FR, 142 bbls 12# Linear Gel, and 470 bbls 12# Justice. Pumped 35,000# 40/70 White, 13,000# 20/40 White, and 13,000# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2386#, MaxP-3334#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	14,046	14,050	6	24	60	
	14,071	14,075	6	24	60	
	14,096	14,100	6	24	60	
	14,121	14,125	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/8/2016	Open	Lower Brushy Canyon		1844 bbls comprised of 36 bbls of 15% HCL, 23 bbls Rhino NSF, 597 bbls Liberty FR, 144 bbls 12# Linear Gel, and 469 bbls 12# Justice. Pumped 30,800# 40/70 White, 7,000# 20/40 White, and 9,460# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2301#, MaxP-3188#. ISIP	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,946	13,950	6	24	60	
	13,971	13,975	6	24	60	
	13,996	14,000	6	24	60	
	14,121	14,125	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		1846 bbls comprised of 39 bbls of 15% HCL, 19 bbls Rhino NSF, 720 bbls Liberty FR, 136 bbls 12# Linear Gel, and 482 bbls 12# Justice. Pumped 25,000# 40/70 White, 7,000# 20/40 White, and 10,000# 20/40 CRC. AR-22bpm, MaxR-28bpm, AP-2359#, MaxP-3736#. ISI	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,846	13,850	6	24	60	
	13,871	13,875	6	24	60	
	13,896	13,900	6	24	60	
	13,916	13,920	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		1852 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 661 bbls Liberty FR, 163 bbls 12# Linear Gel, and 482 bbls 12# Justice. Pumped 25,000# 40/70 White, 11,320# 20/40 White, and 14,000# 20/40 CRC. AR-23bpm, MaxR-27bpm, AP-2262#, MaxP-3136#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,746	13,750	6	24	60	
	13,771	13,775	6	24	60	
	13,796	13,800	6	24	60	
	13,816	13,820	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		1845 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 668 bbls Liberty FR, 150 bbls 12# Linear Gel, and 484 bbls 12# Justice. Pumped 20,040# 40/70 White, 10,000# 20/40 White, and 12,360# 20/40 CRC. AR-25bpm, MaxR-28bpm, AP-2211#, MaxP-3191#. I	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		1845 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 668 bbls Liberty FR, 150 bbls 12# Linear Gel, and 484 bbls 12# Justice. Pumped 20,040# 40/70 White, 10,000# 20/40 White, and 12,360# 20/40 CRC. AR-25bpm, MaxR-28bpm, AP-2211#, MaxP-	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,646	13,650	6	24	60	
	13,671	13,675	6	24	60	
	13,696	13,700	6	24	60	
	13,716	13,720	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		2219 bbls comprised of 35 bbls of 15% HCL, 24 bbls Rhino NSF, 819 bbls Liberty FR, 187 bbls 12# Linear Gel, and 659 bbls 12# Justice. Pumped 22,000# 40/70 White, 18,000# 20/40 White, and 24,000# 20/40 CRC. AR-27bpm, MaxR-27bpm, AP-2090#, MaxP-2850#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,346	13,350	6	24	60	
	13,571	13,575	6	24	60	

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,596	13,600	6	24	60	
	13,616	13,620	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		2179 bbls comprised of 36 bbls of 15% HCL, 16 bbls Rhino NSF, 809 bbls Liberty FR, 189 bbls 12# Linear Gel, and 664 bbls 12# Justice. Pumped 36,000# 40/70 White, 16,000# 20/40 White, and 12,920# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2127#, MaxP-3642#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,446	13,450	6	24	60	
	13,471	13,475	6	24	60	
	13,496	13,500	6	24	60	
	13,516	13,520	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		2238 bbls comprised of 36 bbls of 15% HCL, 17 bbls Rhino NSF, 812 bbls Liberty FR, 191 bbls 12# Linear Gel, and 745 bbls 12# Justice. Pumped 35,420# 40/70 White, 20,000# 20/40 White, and 18,000# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2158#, MaxP-3010#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,346	13,350	6	24	60	
	13,371	13,375	6	24	60	
	13,396	13,400	6	24	60	
	13,416	13,420	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/9/2016	Open	Lower Brushy Canyon		2258 bbls comprised of 36 bbls of 15% HCL, 17 bbls Rhino NSF, 804 bbls Liberty FR, 190 bbls 12# Linear Gel, and 757 bbls 12# Justice. Pumped 39,000# 40/70 White, 23,300# 20/40 White, and 18,500# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2200#, MaxP-3355#. I	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,246	13,250	6	24	60	
	13,271	13,275	6	24	60	
	13,296	13,300	6	24	60	
	13,316	13,320	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2264 bbls comprised of 36 bbls of 15% HCL, 17 bbls Rhino NSF, 753 bbls Liberty FR, 201 bbls 12# Linear Gel, and 777 bbls 12# Justice. Pumped 41,000# 40/70 White, 27,000# 20/40 White, and 19,680# 20/40 CRC. AR-25bpm, MaxR-28bpm, AP-2322#, MaxP-3455#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,146	13,150	6	24	60	
	13,171	13,175	6	24	60	
	13,196	13,200	6	24	60	
	13,216	13,220	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2305 bbls comprised of 36 bbls of 15% HCL, 19 bbls Rhino NSF, 803 bbls Liberty FR, 202 bbls 12# Linear Gel, and 774 bbls 12# Justice. Pumped 47,000# 40/70 White, 20,400# 20/40 White, and 22,000# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2295#, MaxP-3433#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	13,046	13,050	6	24	60	
	13,071	13,075	6	24	60	
	13,096	13,100	6	24	60	
	13,116	13,120	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2278 bbls comprised of 37 bbls of 15% HCL, 18 bbls Rhino NSF, 469 bbls Liberty FR, 199 bbls 12# Linear Gel, and 766 bbls 12# Justice. Pumped 41,000# 40/70 White, 24,000# 20/40 White, and 20,000# 20/40 CRC. AR-25bpm, MaxR-28bpm, AP-2236#, MaxP-3889#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,946	12,950	6	24	60	
	12,971	12,975	6	24	60	
	12,996	13,000	6	24	60	
	13,016	13,020	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2247 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 191 bbls 12# Linear Gel, and 747 bbls 12# Justice. Pumped 41,000# 40/70 White, 20,820# 20/40 White, and 18,500# 20/40 CRC. AR-27bpm	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,846	12,850	6	24	60	
	12,871	12,875	6	24	60	
	12,896	12,900	6	24	60	
	12,916	12,920	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2219 bbls comprised of 36 bbls of 15% HCL, 16 bbls Rhino NSF, 479 bbls Liberty FR, 190 bbls 12# Linear Gel, and 757 bbls 12# Justice. Pumped 40,000# 40/70 White, 23,000# 20/40 White, and 17,500# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2429#, MaxP-4156#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,746	12,750	6	24	60	

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,771	12,775	6	24	60	
	12,796	12,800	6	24	60	
	12,816	12,820	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2210 bbls comprised of 37 bbls of 15% HCL, 16 bbls Rhino NSF, 476 bbls Liberty FR, 190 bbls 12# Linear Gel, and 763 bbls 12# Justice. Pumped 41,180# 40/70 White, 24,000# 20/40 White, and 17,000# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2522#, MaxP-3669#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,646	12,650	6	24	60	
	12,671	12,675	6	24	60	
	12,696	12,700	6	24	60	
	12,716	12,720	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/10/2016	Open	Lower Brushy Canyon		2182 bbls comprised of 35 bbls of 15% HCL, 18 bbls Rhino NSF, 478 bbls Liberty FR, 191 bbls 12# Linear Gel, and 758 bbls 12# Justice. Pumped 39,000# 40/70 White, 22,000# 20/40 White, and 18,580# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2413#, MaxP-3407#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,546	12,550	6	24	60	
	12,571	12,575	6	24	60	
	12,596	12,600	6	24	60	
	12,616	12,620	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/11/2016	Open	Lower Brushy Canyon		2208 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 191 bbls 12# Linear Gel, and 777 bbls 12# Justice. Pumped 38,040# 40/70 White, 23,780# 20/40 White, and 19,000# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2339#, MaxP-3362#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,446	12,450	6	24	60	
	12,471	12,475	6	24	60	
	12,496	12,500	6	24	60	
	12,516	12,520	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/11/2016	Open	Lower Brushy Canyon		2243 bbls comprised of 37 bbls of 15% HCL, 17 bbls Rhino NSF, 469 bbls Liberty FR, 198 bbls 12# Linear Gel, and 785 bbls 12# Justice. Pumped 40,000# 40/70 White, 18,000# 20/40 White, and 20,000# 20/40 CRC. AR-26bpm, MaxR-27bpm, AP-2306#, MaxP-3218#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,346	12,350	6	24	60	
	12,371	12,375	6	24	60	
	12,396	12,400	6	24	60	
	12,416	12,420	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/11/2016	Open	Lower Brushy Canyon		2208 bbls comprised of 36 bbls of 15% HCL, 21 bbls Rhino NSF, 462 bbls Liberty FR, 206 bbls 12# Linear Gel, and 770 bbls 12# Justice. Pumped 42,180# 40/70 White, 22,000# 20/40 White, and 19,400# 20/40 CRC. AR-25bpm, MaxR-28bpm, AP-2436#, MaxP-3840#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,246	12,250	6	24	60	
	12,271	12,275	6	24	60	
	12,296	12,300	6	24	60	
	12,316	12,320	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/11/2016	Open	Lower Brushy Canyon		2224 bbls comprised of 36 bbls of 15% HCL, 19 bbls Rhino NSF, 464 bbls Liberty FR, 199 bbls 12# Linear Gel, and 778 bbls 12# Justice. Pumped 38,000# 40/70 White, 22,000# 20/40 White, and 18,500# 20/40 CRC. AR-25bpm, MaxR-28bpm, AP-2376#, MaxP-3370#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,146	12,150	6	24	60	
	12,171	12,175	6	24	60	
	12,196	12,200	6	24	60	
	12,216	12,220	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/11/2016	Open	Lower Brushy Canyon		2152 bbls comprised of 35 bbls of 15% HCL, 17 bbls Rhino NSF, 478 bbls Liberty FR, 191 bbls 12# Linear Gel, and 749 bbls 12# Justice. Pumped 45,000# 40/70 White, 23,040# 20/40 White, and 18,280# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2432#, MaxP-3401#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	12,046	12,050	6	24	60	
	12,071	12,075	6	24	60	
	12,096	12,100	6	24	60	
	12,116	12,120	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/11/2016	Open	Lower Brushy Canyon		2187 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 494 bbls Liberty FR, 191 bbls 12# Linear Gel, and 746 bbls 12# Justice. Pumped 39,080# 40/70 White, 21,000# 20/40 White, and 19,000# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2400#, MaxP-3716#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments

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C	Date	Perf. Status	Formation	Comments		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,946	11,950	6	24	60	
	11,971	11,975	6	24	60	
	11,996	12,000	6	24	60	
	12,016	12,020	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/11/2016	Open	Lower Brushy Canyon	2194 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 191 bbls 12# Linear Gel, and 754 bbls 12# Justice. Pumped 43,000# 40/70 White, 26,000# 20/40 White, and 15,400# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2598#, MaxP-3808#. IS		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,846	11,850	6	24	60	
	11,871	11,875	6	24	60	
	11,896	11,900	6	24	60	
	11,916	11,920	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2163 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 189 bbls 12# Linear Gel, and 768 bbls 12# Justice. Pumped 37,080# 40/70 White, 33,000# 20/40 White, and 12,000# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2818#, MaxP-4233#. IS		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,746	11,750	6	24	60	
	11,771	11,775	6	24	60	
	11,796	11,800	6	24	60	
	11,816	11,820	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2197 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 472 bbls Liberty FR, 196 bbls 12# Linear Gel, and 786 bbls 12# Justice. Pumped 45,000# 40/70 White, 19,820# 20/40 White, and 20,000# 20/40 CRC. AR-26bpm, MaxR-28bpm, AP-2876#, MaxP-4329#. IS		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,646	11,650	6	24	60	
	11,671	11,675	6	24	60	
	11,696	11,700	6	24	60	
	11,716	11,720	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2162 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 474 bbls Liberty FR, 193 bbls 12# Linear Gel, and 788 bbls 12# Justice. Pumped 41,180# 40/70 White, 23,000# 20/40 White, and 19,740# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2653#, MaxP-3747#. IS		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,546	11,550	6	24	60	
	11,571	11,575	6	24	60	
	11,596	11,600	6	24	60	
	11,616	11,620	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2151 bbls comprised of 36 bbls of 15% HCL, 19 bbls Rhino NSF, 472 bbls Liberty FR, 195 bbls 12# Linear Gel, and 786 bbls 12# Justice. Pumped 39,000# 40/70 White, 19,000# 20/40 White, and 18,000# 20/40 CRC. AR-28bpm, MaxR-28bpm, AP-2656#, MaxP-3746#. IS		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,446	11,450	6	24	60	
	11,471	11,475	6	24	60	
	11,496	11,500	6	24	60	
	11,516	11,520	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2120 bbls comprised of 35 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 192 bbls 12# Linear Gel, and 756 bbls 12# Justice. Pumped 36,000# 40/70 White, 20,000# 20/40 White, and 16,000# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2796#, MaxP-3792#. IS		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,346	11,350	6	24	60	
	11,371	11,375	6	24	60	
	11,396	11,400	6	24	60	
	11,416	11,420	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2123 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 191 bbls 12# Linear Gel, and 754 bbls 12# Justice. Pumped 37,120# 40/70 White, 21,700# 20/40 White, and 17,680# 20/40 CRC. AR-27bpm, MaxR-27bpm, AP-2600#, MaxP-3541#. I		
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,246	11,250	6	24	60	
	11,271	11,275	6	24	60	
	11,296	11,300	6	24	60	
	11,316	11,320	6	24	60	
C	Date	Perf. Status	Formation	Comments		
	11/12/2016	Open	Lower Brushy Canyon	2101 bbls comprised of 36 bbls of 15% HCL, 13 bbls Rhino NSF, 475 bbls Liberty FR, 192 bbls 12# Linear Gel, and 747 bbls 12# Justice. Pumped 40,000# 40/70 White, 22,000# 20/40 White, and 16,000# 20/40 CRC. AR-28bpm, MaxR-29bpm, AP-2393#, MaxP-3231#. IS		

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,146	11,150	6	24	60	
	11,171	11,175	6	24	60	
	11,196	11,200	6	24	60	
	11,216	11,220	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/12/2016	Open	Lower Brushy Canyon		2001 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 191 bbls 12# Linear Gel, and 661 bbls 12# Justice. Pumped 37,120# 40/70 White, 12,500# 20/40 White, and 14,620# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2495#, MaxP-3772#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,046	11,050	6	24	60	
	11,071	11,075	6	24	60	
	11,096	11,100	6	24	60	
	11,116	11,120	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/12/2016	Open	Lower Brushy Canyon		1986 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 478 bbls Liberty FR, 189 bbls 12# Linear Gel, and 654 bbls 12# Justice. Pumped 36,000# 40/70 White, 17,600# 20/40 White, and 16,000# 20/40 CRC. AR-27bpm, MaxR-29bpm, AP-2348#, MaxP-4791#. I	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,946	10,950	6	24	60	
	10,971	10,975	6	24	60	
	10,996	11,000	6	24	60	
	11,016	11,020	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1996 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 190 bbls 12# Linear Gel, and 674 bbls 12# Justice. Pumped 37,060# 40/70 White, 17,000# 20/40 White, and 18,000# 20/40 CRC. AR-27bpm, MaxR-28bpm, AP-2477#, MaxP-3347#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,846	10,850	6	24	60	
	10,871	10,875	6	24	60	
	10,896	10,900	6	24	60	
	10,916	10,920	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		2006 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 495 bbls Liberty FR, 196 bbls 12# Linear Gel, and 675 bbls 12# Justice. Pumped 37,000# 40/70 White, 15,000# 20/40 White, and 16,900# 20/40 CRC. AR-27bpm, MaxR-27bpm, AP-2402#, MaxP-3140#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,746	10,750	6	24	60	
	10,771	10,775	6	24	60	
	10,796	10,800	6	24	60	
	10,816	10,820	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1970 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 474 bbls Liberty FR, 194 bbls 12# Linear Gel, and 675 bbls 12# Justice. Pumped 36,000# 40/70 White, 15,080# 20/40 White, and 19,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2219#, MaxP-2917#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,546	10,550	6	24	60	
	10,571	10,575	6	24	60	
	10,596	10,600	6	24	60	
	10,616	10,620	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1966 bbls comprised of 36 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 185 bbls 12# Linear Gel, and 691 bbls 12# Justice. Pumped 31,020# 40/70 White, 15,000# 20/40 White, and 18,640# 20/40 CRC. AR-25bpm, MaxR-25bpm, AP-2318#, MaxP-3223#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,446	10,450	6	24	60	
	10,471	10,475	6	24	60	
	10,496	10,500	6	24	60	
	10,516	10,520	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1995 bbls comprised of 24 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 192 bbls 12# Linear Gel, and 704 bbls 12# Justice. Pumped 38,000# 40/70 White, 20,000# 20/40 White, and 20,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2287#, MaxP-2948#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,346	10,350	6	24	60	
	10,371	10,375	6	24	60	
	10,396	10,400	6	24	60	
	10,416	10,420	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		2007 bbls comprised of 24 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 190 bbls 12# Linear Gel, and 746 bbls 12# Justice. Pumped 41,800# 40/70 White, 21,060# 20/40 White, and 17,060# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2281#, MaxP-4202#. IS	

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,246	10,250	6	24	60	
	10,271	10,275	6	24	60	
	10,296	10,300	6	24	60	
	10,316	10,320	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1936 bbls comprised of 22 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 190 bbls 12# Linear Gel, and 660 bbls 12# Justice. Pumped 35,500# 40/70 White, 21,000# 20/40 White, and 20,000# 20/40 CRC. AR-25bpm, MaxR-25bpm, AP-2507#, MaxP-3516#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,146	10,150	6	24	60	
	10,171	10,175	6	24	60	
	10,196	10,200	6	24	60	
	10,216	10,220	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		2027 bbls comprised of 21 bbls of 15% HCL, 16 bbls Rhino NSF, 479 bbls Liberty FR, 189 bbls 12# Linear Gel, and 752 bbls 12# Justice. Pumped 48,500# 40/70 White, 21,100# 20/40 White, and 18,040# 20/40 CRC. AR-25bpm, MaxR-25bpm, AP-2572#, MaxP-2715#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,046	10,050	6	24	60	
	10,071	10,075	6	24	60	
	10,096	10,100	6	24	60	
	10,116	10,120	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		2085 bbls comprised of 24 bbls of 15% HCL, 18 bbls Rhino NSF, 476 bbls Liberty FR, 191 bbls 12# Linear Gel, and 819 bbls 12# Justice. Pumped 34,920# 40/70 White, 21,000# 20/40 White, and 23,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2419#, MaxP-3142#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,946	9,950	6	24	60	
	9,971	9,975	6	24	60	
	9,996	10,000	6	24	60	
	10,016	10,020	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		2110 bbls comprised of 24 bbls of 15% HCL, 18 bbls Rhino NSF, 474 bbls Liberty FR, 193 bbls 12# Linear Gel, and 862 bbls 12# Justice. Pumped 41,000# 40/70 White, 30,140# 20/40 White, and 18,260# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2429#, MaxP-3368#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,846	9,850	6	24	60	
	9,871	9,875	6	24	60	
	9,896	9,900	6	24	60	
	9,916	9,920	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		2122 bbls comprised of 24 bbls of 15% HCL, 18 bbls Rhino NSF, 475 bbls Liberty FR, 193 bbls 12# Linear Gel, and 862 bbls 12# Justice. Pumped 39,000# 40/70 White, 30,000# 20/40 White, and 20,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2250#, MaxP-3119#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,746	9,750	6	24	60	
	9,771	9,775	6	24	60	
	9,796	9,800	6	24	60	
	9,816	9,820	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		2131 bbls comprised of 30 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 191 bbls 12# Linear Gel, and 857 bbls 12# Justice. Pumped 45,520# 40/70 White, 26,080# 20/40 White, and 19,380# 20/40 CRC. AR-25bpm, MaxR-25bpm, AP-2263#, MaxP-3264#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,646	9,650	6	24	60	
	9,671	9,675	6	24	60	
	9,696	9,700	6	24	60	
	9,716	9,720	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		1938 bbls comprised of 30 bbls of 15% HCL, 17 bbls Rhino NSF, 477 bbls Liberty FR, 190 bbls 12# Linear Gel, and 704 bbls 12# Justice. Pumped 39,080# 40/70 White, 20,000# 20/40 White, and 21,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2216#, MaxP-3177#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,546	9,550	6	24	60	
	9,571	9,575	6	24	60	
	9,596	9,600	6	24	60	
	9,616	9,620	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		1975 bbls comprised of 30 bbls of 15% HCL, 18 bbls Rhino NSF, 466 bbls Liberty FR, 205 bbls 12# Linear Gel, and 734 bbls 12# Justice. Pumped 39,000# 40/70 White, 17,000# 20/40 White, and 18,560# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2287#, MaxP-3198#. IS	

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C	Date	Perf. Status	Formation		Comments	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,446	9,450	6	24	60	
	9,471	9,475	6	24	60	
	9,496	9,500	6	24	60	
	9,516	9,520	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		1957 bbls comprised of 30 bbls of 15% HCL, 18 bbls Rhino NSF, 477 bbls Liberty FR, 192 bbls 12# Linear Gel, and 732 bbls 12# Justice. Pumped 37,160# 40/70 White, 19,000# 20/40 White, and 19,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2335#, MaxP-4389#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,346	9,350	6	24	60	
	9,371	9,375	6	24	60	
	9,396	9,400	6	24	60	
	9,416	9,420	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/14/2016	Open	Lower Brushy Canyon		1953 bbls comprised of 30 bbls of 15% HCL, 18 bbls Rhino NSF, 475 bbls Liberty FR, 191 bbls 12# Linear Gel, and 749 bbls 12# Justice. Pumped 41,000# 40/70 White, 24,000# 20/40 White, and 18,320# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2407#, MaxP-3383#. I	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,246	9,250	6	24	60	
	9,271	9,275	6	24	60	
	9,296	9,300	6	24	60	
	9,316	9,320	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/15/2016	Open	Lower Brushy Canyon		1843 bbls comprised of 29 bbls of 15% HCL, 17 bbls Rhino NSF, 478 bbls Liberty FR, 190 bbls 12# Linear Gel, and 678 bbls 12# Justice. Pumped 46,000# 40/70 White, 12,500# 20/40 White, and 15,000# 20/40 CRC. AR-25bpm, MaxR-26bpm, AP-2204#, MaxP-2905#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,146	9,150	6	24	60	
	9,171	9,175	6	24	60	
	9,196	9,200	6	24	60	
	9,216	9,220	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/15/2016	Open	Lower Brushy Canyon		1683 bbls comprised of 64 bbls of 15% HCL, 32 bbls Rhino NSF, 457 bbls Liberty FR, 209 bbls 12# Linear Gel, and 446 bbls 12# Justice. Pumped 28,000# 40/70 White, 12,500# 20/40 White, and 15,000# 20/40 CRC. AR-23bpm, MaxR-26bpm, AP-2259#, MaxP-2964#. IS	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	9,046	9,050	6	24	60	
	9,071	9,075	6	24	60	
	9,096	9,100	6	24	60	
	9,116	9,120	6	24	60	
Formation Top Summary						
Formation Name		Top(TVD ft)	Comments			
Rustler		1,896				
Top of Salt		2,478				
Base of Salt		4,031				
Capitan Reef		4,597				
Delaware		5,951				
Cherry Canyon		6,165				
Brushy Canyon		7,380				