

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-43349
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Lennox 33 State
8. Well Number 6H
9. OGRID Number 249099
10. Pool name or Wildcat Rock Lake; Delaware
4. Well Location Unit Letter A ; 330 feet from the N line and 200 feet from the E line Section 33 Township 22S Range 35E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3526 GR

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
Caza Oil and Gas, Inc

3. Address of Operator
200 N. Lorraine St #1550., Midland, TX 79701

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☒
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	PNR ☐
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Caza has P&A'd the well in compliance with the conditions of approval.
 The production facility will stay in place as it is a CTB to other wells.

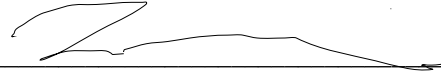
Spud Date:

09/30/2016

Rig Release Date:

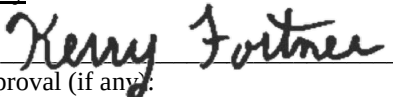
11/01/2016

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE **Engineer** DATE **12/28/2019**

Type or print name **Steve Morris** E-mail address: **steve.morris@morcoreengineering.com** PHONE: **985-415-9729**

For State Use Only

APPROVED BY:  TITLE **Compliance Officer A** DATE **2/18/22**

Conditions of Approval (if any):
 575-263-6633

PAR FIVE
ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

PLUG & ABANDON

**CAZA OPERATING LLC
LENNOX 33 STATE #6H
LEA, NEW MEXICO**

**PRIMARY PUMP: 2002
SECONDARY PUMP:**

PREPARED BY: TRAVIS KELSEY

**SERVICE SUPERVISOR
ARTESIA DISTRICT
1-575-748-8610**

12/19/2019

WELL SUMMARY



ENERGY SERVICES LLC

COMPANY NAME:	CAZA OPERATING LLC	DATE:	12/19/2019
LEASE NAME:	LENNOX 33 STATE	OPERATOR NAME:	
WELL NUMBER:	#006H	TICKET NUMBER:	25
API NUMBER:	30-025-433349	AFE NUMBER:	
SECTION:		TOWNSHIP:	RANGE:
COUNTY:	LEA	STATE:	NEW MEXICO
RIG NAME:		COMPANY REP:	MR. COREY ROGERS
		PHONE#:	1-575-513-5148

DIRECTIONS

US82 EAST to CR529 EAST to US62/180 turn LEFT EAST to state Road 8 turn RIGHT SOUTH and go to CR176 turn RIGHT WEST and go to Weaver Rd turn LEFT SOUTH +/- 5 miles and follow road until it turns into Delaware Basin Rd continue 7.7 miles turn RIGHT go 1.1 mile turn LEFT for 0.4 miles to location

NOTES

ENTERED BY JOSEPH SERRANO 12/19/19

HSE

ALL EMPLOYEES BE SAFE AND WEAR PROPER PPE

JOB PROCEDURE

FOLLOW COMPANY'S REQUEST AS PER PLUGGING

WELL SUMMARY



WELL / CASING DATA									
JOB TYPE: PLUG & ABANDON					HOLE SIZE: 5 1/2				
TVD: 8100					PREVIOUS CASING SIZE:				
PREVIOUS CASING LB/FT:					PREVIOUS CASING DEPTH:				
CASING SIZE:									
CASING LB/FT:					CASING GRADE:				
FLOAT COLLAR DEPTH					SHOE JOINT LENGTH:				
DV TOOL DEPTH:					SECOND DV TOOL DEPTH:				
TOTAL DEPTH: 8100					TOTAL CASING : 8100				
TUBULAR DATA									
TBG/D.P. SIZE: 2 7/8					TBG/D.P. DEPTH:				
TBG/D.P. LB/FT: 6.5					TOOL DEPTH:				
PACKER OR RETAINER					PERF/HOLE DEPTH:				
SURFACE EQUIPMENT									
CEMENT HEAD SIZE:					QUICK CONNECT SIZE:				
DRILL PIN SIZE/TYPE:					THREAD:				
TUBING SWEDGE SIZE					TAKE 2 - 2 INCH REGULAR TUBING SWEDGES				
CHEMICALS NEEDED									
2500# PF128 SALT WATER GEL, 500# PF1 CALCIUM, 300# SUGAR									
EQUIPMENT									
SUPERVISOR: Travis Kelsey					FIELD REPRESENTATIVE:				
PUMP OPERATOR: Joseph Castillas					UNIT NUMBER:				
E/O: Juan Lazano					UNIT NUMBER: 1010/2022				
E/O: Isaac Hobbs					UNIT NUMBER: FLAT BED				
E/O:					UNIT NUMBER: RONNIE SPANGLER- 1020/2006				
E/O:					UNIT NUMBER:				
FLUID DATA									
1ST SLURRY:		H NEAT							
DENSITY:	15.6	YIELD:	1.18	MIX H2O:	5.22	SACKS:	35		
2ND SLURRY:		C NEAT							
DENSITY:	14.8	YIELD:	1.32	MIX H2O:	6.304	SACKS:	580		
3RD SLURRY:									
DENSITY:		YIELD:		MIX H2O:		SACKS:			
4TH SLURRY:									
DENSITY:		YIELD:		MIX H2O:		SACKS:			
5TH SLURRY									
DENSITY:		YIELD:		MIX H2O:		SACKS:			

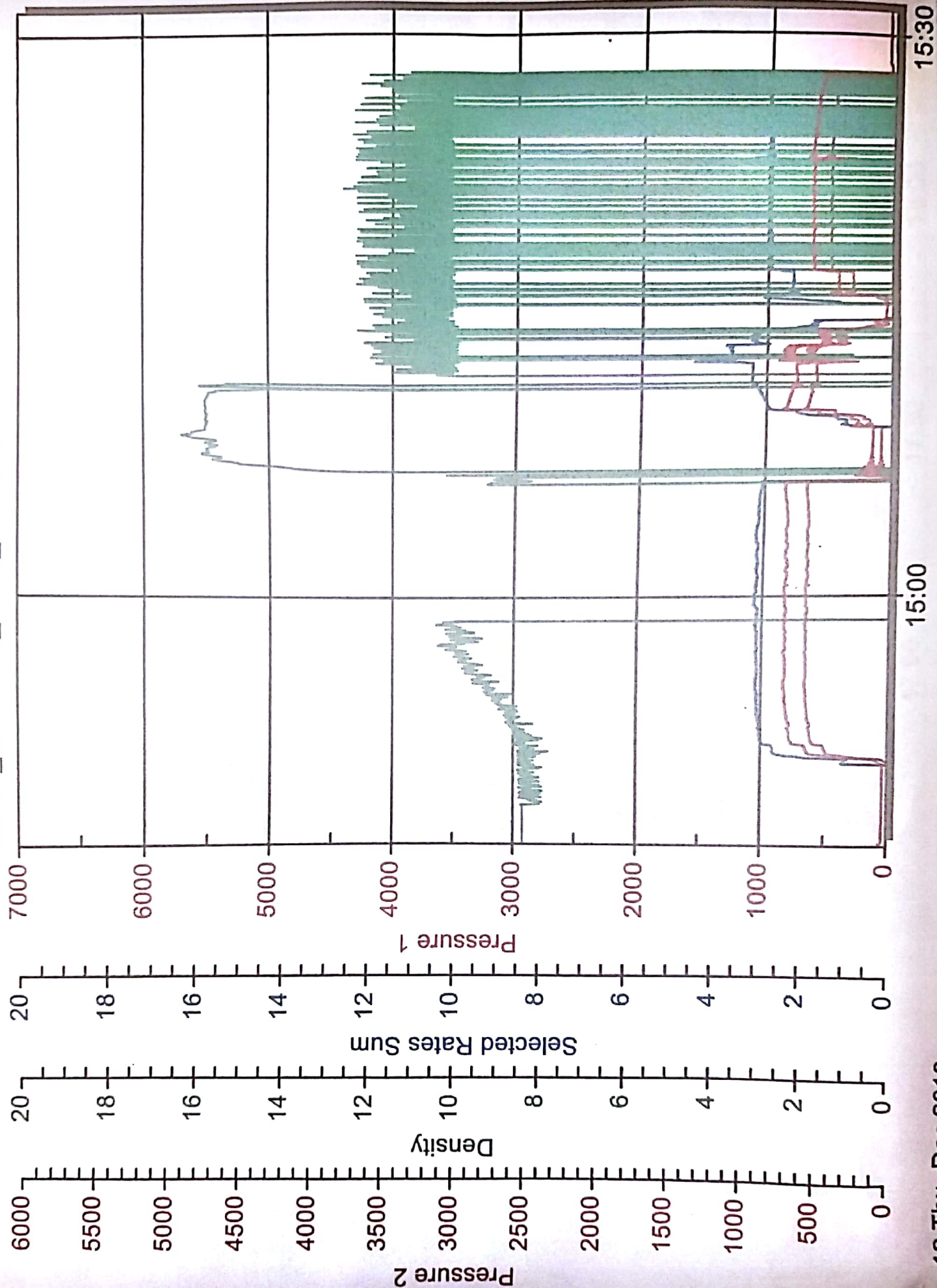
JOB LOG

PAR FIVE

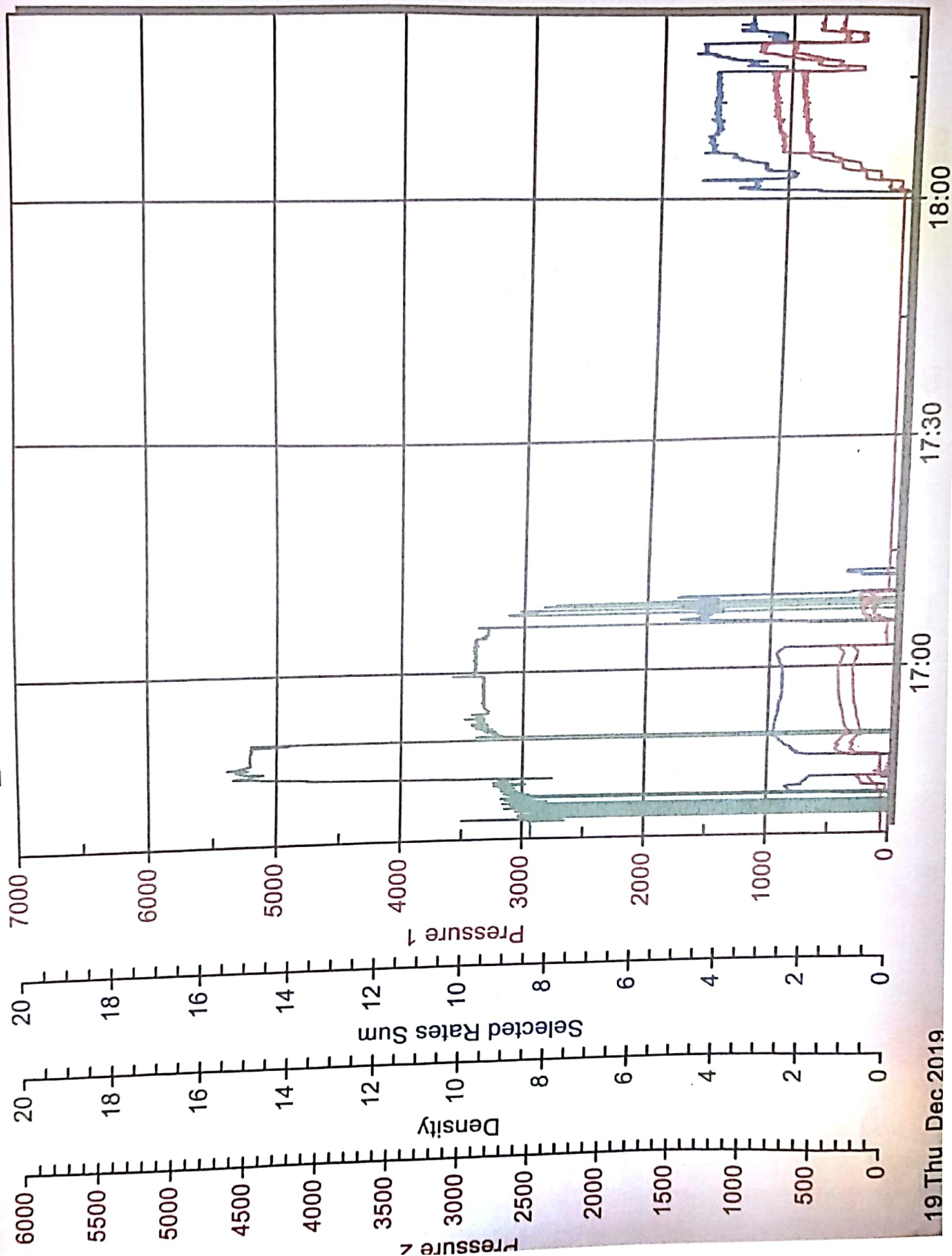
ENERGY SERVICES LLC

COMPANY NAME: CAZA OPERATING LLC				DATE: 12/19/2019	
LEASE NAME: LENNOX 33 STATE				TICKET NUMBER: 25	
WELL NUMBER: #006H				JOB TYPE: PLUG & ABANDON	
SCHEDULED LOCATION TIME		13:00		DATE LEFT LOCATION	12/20/2019
TIME ARRIVED ON LOCATION		11:00		TIME LEFT LOCATION	17:00
TIME	PRESSURE TUBING Casing		VOLUME	RATE	LOG DETAILS
8:30					PRE-CONVOY MEETING
9:00					DEPARTURE FROM YARD
11:00					ARRIVE LOCATION
11:23					HAZZARD ASSESMENT
14:30					PRE-RIG UP MEETING
14:43		1000	2	2	1ST PLUG @ 7996"
14:45		543	45	3	SPOT MUD
15:04		707	5	3	FRESH AHEAD
15:09		718	5	3	CEMENT @ 15.6
15:12		657	2	3	FRESH BEHIND
15:13		547	42	3	MUD
15:28					SHUT DOWN
					LAY DOWN TUBING
					2ND PLUG @ 5835"
16:45		201	5	3	FRESH AHEAD
16:48		348	6	3	CEMENT @ 14.8
16:51		305	2	3	FRESH BEHIND
16:52		325	30	3	MUD
17:00					SHUTDOWN
18:00		900	89	4.5	REVERSE OUT
18:30					SHUTDOWN FOR THE DAY
					3RD PLUG @ 4081"
10:40		421	48	3	SPOT MUD
10:58		200	5	3	FRESF AHEAD
11:02		393	6	3	CEMENT @ 14.8#
11:04		330	2	3	FRESH BEHIND
11:05		270	20	3	MUD
11:13					SHUTDOWN
					LAY DOWN PIPE
					PLUG 4 @ 1990
15:41		800	20	5.5	BREAK CIRCULATION
15:50		550	152	5.5	CEMENT @ 14.8#
17:00					SHUTDOWN/END JOB/ CIRCULATED 11 BBL OR 47 SACK TO SURF.

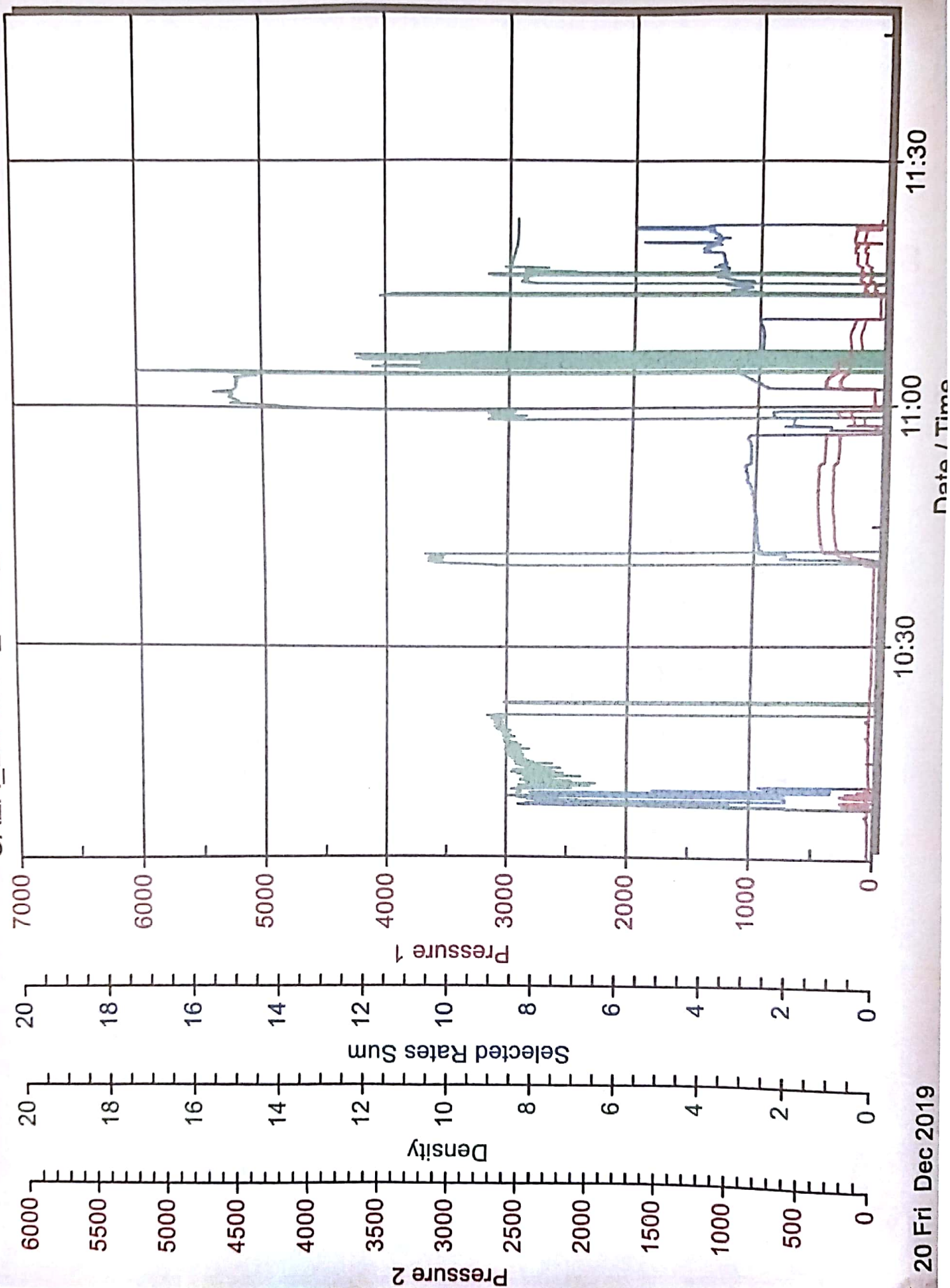
CAZA_LENNOX_2002_JOSEPH



CAZA_LENNOX_2002_JOSEPH

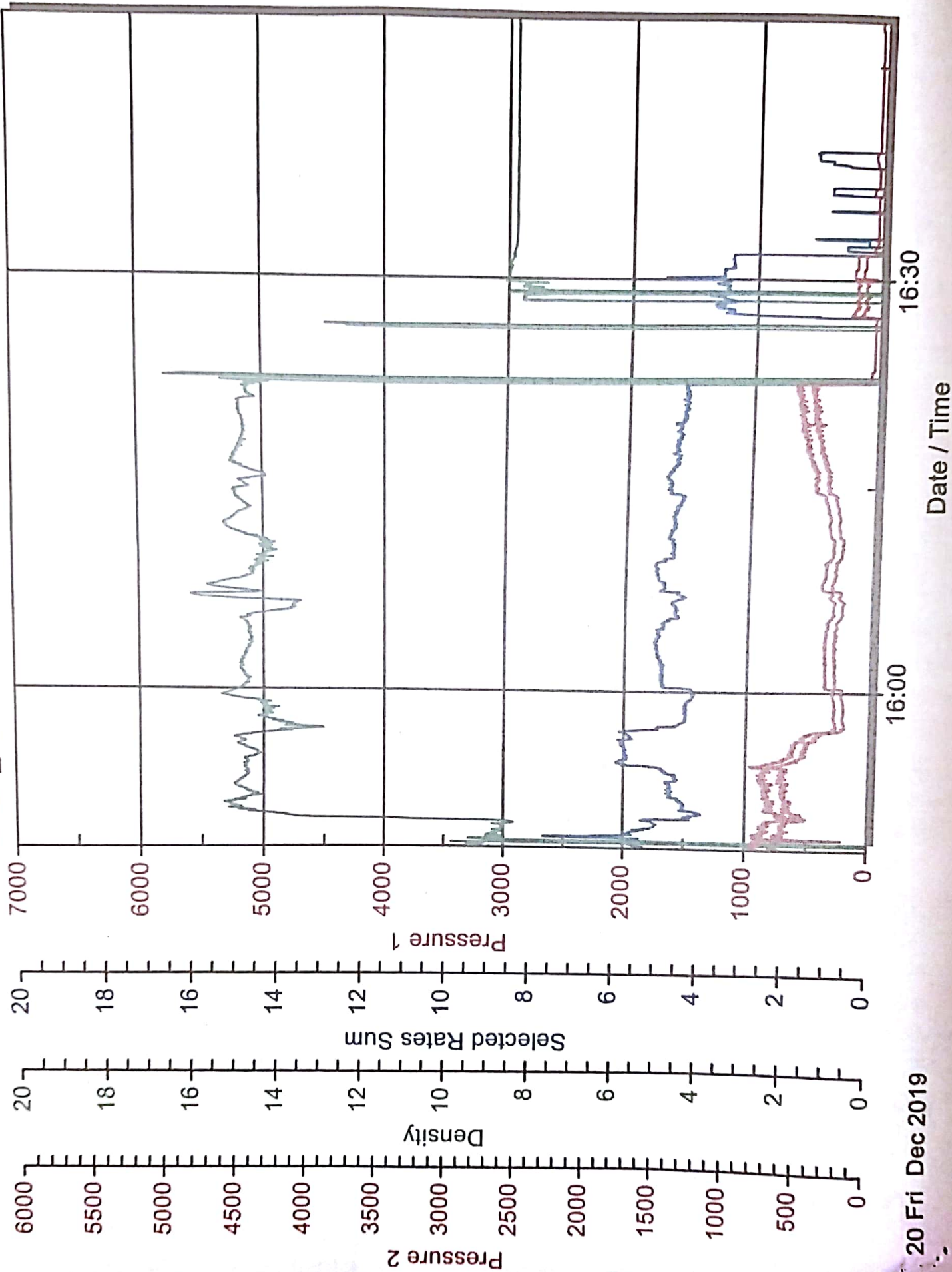


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20 Fri Dec 2019

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CAZA
OPERATING LLC.
LENNOX 33 ST. 6H
SEC. 32, T22S, R35E
330 FNL & 200FEL
API 30-025-43349
12-21-19

100sx Class C Cement

2/22 3:10:16 PM

243sx Class C Cement

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	Township/Block	Range/Survey
3,526.0	3,548.0	32	22S	35E
Operator		Well Status	Latitude	Longitude
Caza Oil and Gas, Inc		Completed	32.354465	-103.381293
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
330	FNL	200	FEL	Section
Prop Num			Spud Date	Comp. Date
39017			9/30/2016	11/20/2016
Additional Information				
OGRID	Well Type		Pool Name and Number	Lease No. and Bond No.
249099	Horizontal Oil		Rock Lake; Delaware (97663)	
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

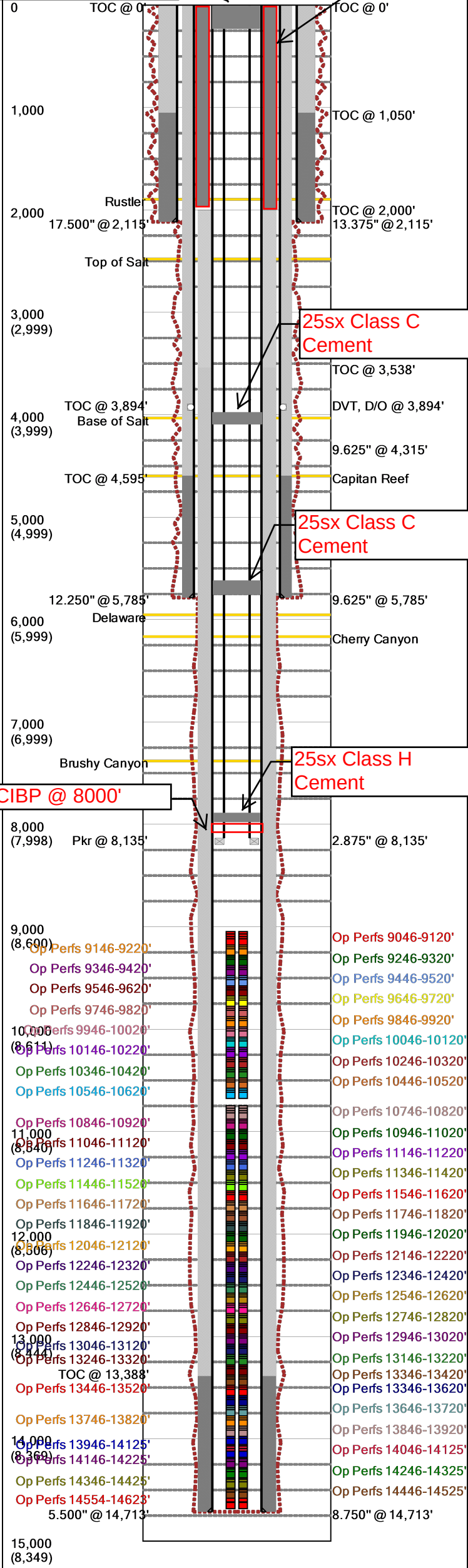
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	10/3/2016	1,162	13.375	0	1,050	Circulated 200bbbls to surface
	10/3/2016	552	13.375	1,050	2,115	
	10/7/2016	1,312	9.625	0	3,894	TOC - 2160 temp log. Perfrom top job to surface
	10/7/2016	163	9.625	3,894	4,595	
	10/7/2016	616	9.625	4,595	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



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

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

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

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	

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)	E/W Line	Footage From	
32	22S		35E		330	FNL	200	FEL	Section	
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 200bbls 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-		

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 447 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	

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	

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, 19,000# 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

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 786 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-29bpm, AP-2393#, MaxP-3231#. 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	

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 667 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-2281#, 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	

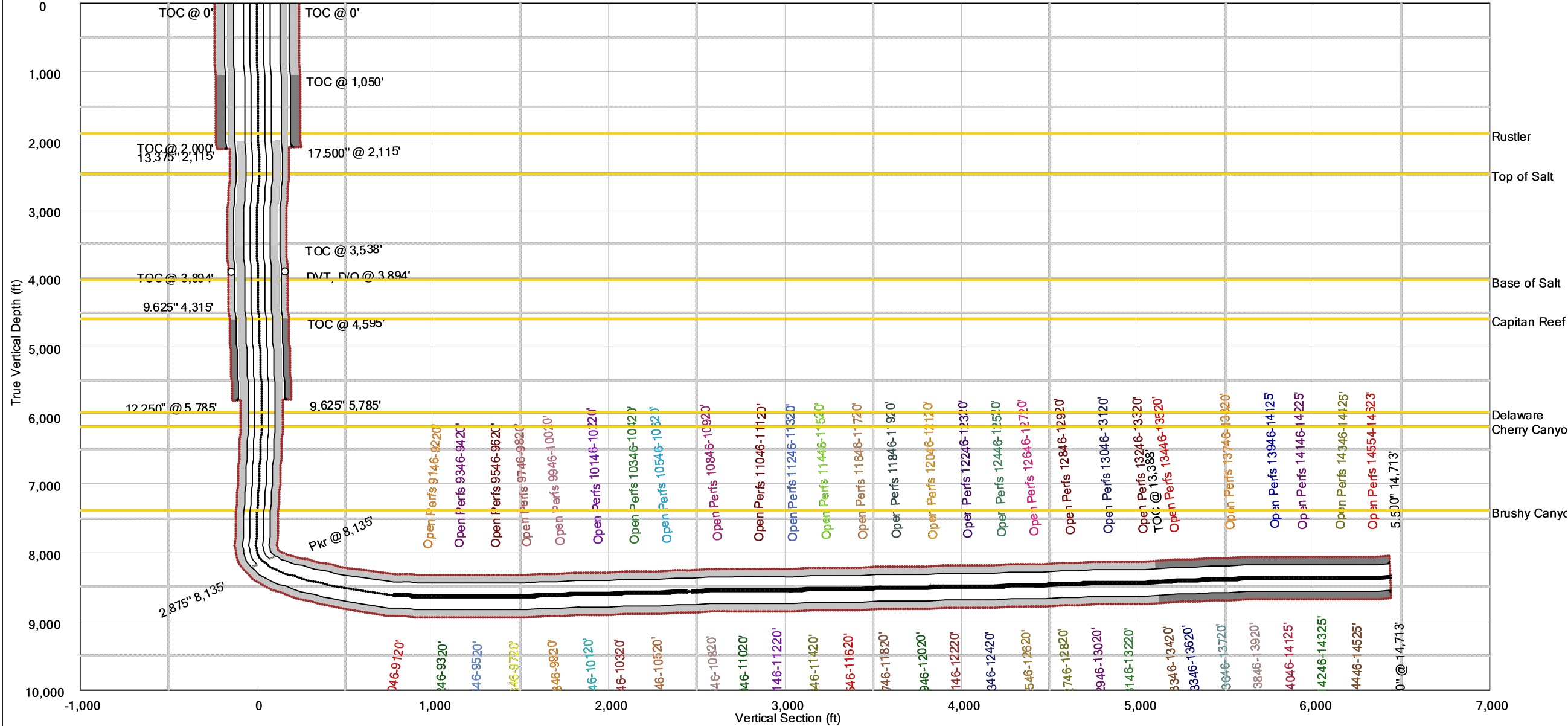
C	Date	Perf. Status	Formation		Comments	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
10,246		10,250	6	24	60	
10,271		10,275	6	24	60	
10,296		10,300	6	24	60	
10,316		10,320	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1936 bbls comprised 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, 30,000# 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, 30,140# 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-3198#. 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	

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	

Field Name			Lease Name			Well No.		County		State		API No.		Version	Version Tag		Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Lennox			Lennox 33 State			6H		Lea		New Mexico		30025433490000		1			9/30/2016	11/20/2016	3,526.0	3,548.0
Sec.	Township/Block		Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		Latitude		Longitude		Well Status		PropNum		Operator	
32	22S		35E		330	FNL	200	FEL			32.354465		-103.381293		Completed		39017		Caza Oil and Gas, Inc	
Last Updated		Prepared By			Updated By				Additional Information											
2/8/2017 1:24:39 PM		Steve Morris			Steve Morris															



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Field Name		Lease Name		Well No.	API No.	Version	Version Tag		
Lennox		Lennox 33 State		6H	30025433490000	1			
Section	Township/Block		Range/Survey	County		State		GL (ft)	KB (ft)
32	22S		35E	Lea		New Mexico		3,526.0	3,548.0
Target N (-S) (ft)		Target E (-W) (ft)		Latitude		Longitude		Operator	Well Status
32.26756		6433.313		32.354465		-103.381293		Caza Oil and Gas, Inc	Completed
Additional Information									

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
154.0	0.4	120.0	154.0	0.5	-0.3	0.5	0.26
338.0	0.4	122.8	338.0	1.6	-0.9	1.6	0.01
522.0	0.4	99.5	522.0	2.7	-1.4	2.7	0.09
706.0	0.4	80.5	706.0	4.0	-1.4	4.0	0.07
890.0	0.4	73.2	890.0	5.2	-1.1	5.3	0.03
1,074.0	0.4	82.0	1,074.0	6.5	-0.8	6.5	0.03
1,261.0	0.4	73.9	1,261.0	7.8	-0.6	7.8	0.03
1,452.0	0.3	52.9	1,452.0	8.8	-0.1	8.8	0.08
1,640.0	0.4	74.7	1,640.0	9.8	0.4	9.8	0.09
1,833.0	0.1	30.3	1,833.0	10.6	0.7	10.6	0.17
2,023.0	0.6	68.4	2,023.0	11.6	1.2	11.6	0.28
2,213.0	2.4	62.0	2,212.9	16.0	3.5	16.0	0.95
2,308.0	1.9	37.6	2,307.8	18.8	5.7	18.7	1.09
2,402.0	1.9	352.9	2,401.8	19.5	8.4	19.5	1.54
2,496.0	2.3	312.4	2,495.7	18.0	11.3	17.9	1.60
2,590.0	2.1	312.8	2,589.6	15.3	13.7	15.3	0.21
2,684.0	2.2	312.4	2,683.6	12.7	16.1	12.7	0.11
2,779.0	2.2	295.8	2,778.5	9.8	18.1	9.7	0.67
2,873.0	2.5	286.4	2,872.4	6.2	19.5	6.1	0.52
2,967.0	1.5	261.9	2,966.4	3.0	19.9	2.9	1.38
3,062.0	1.7	190.1	3,061.3	1.5	18.3	1.4	1.98
3,156.0	1.9	178.9	3,155.3	1.3	15.4	1.2	0.43
3,250.0	1.7	177.1	3,249.3	1.4	12.4	1.3	0.22
3,345.0	1.7	172.9	3,344.2	1.6	9.6	1.5	0.13
3,439.0	1.5	161.5	3,438.2	2.1	7.1	2.1	0.40
3,534.0	1.8	160.3	3,533.1	3.0	4.5	3.0	0.32
3,628.0	1.8	152.2	3,627.1	4.2	1.8	4.2	0.27
3,722.0	1.9	140.4	3,721.0	5.9	-0.7	5.9	0.42
3,817.0	1.0	140.5	3,816.0	7.4	-2.6	7.4	0.95
3,910.0	0.4	176.3	3,909.0	7.9	-3.5	7.9	0.77
4,005.0	0.6	152.5	4,004.0	8.2	-4.3	8.2	0.30
4,099.0	0.7	144.1	4,098.0	8.7	-5.2	8.8	0.15
4,193.0	0.6	133.3	4,192.0	9.4	-6.0	9.5	0.17
4,286.0	0.6	126.6	4,285.0	10.2	-6.6	10.2	0.08
4,381.0	0.6	112.4	4,380.0	11.0	-7.1	11.1	0.16
4,475.0	0.8	116.8	4,474.0	12.1	-7.6	12.1	0.22
4,569.0	1.1	120.5	4,568.0	13.4	-8.3	13.5	0.33
4,664.0	1.1	119.6	4,662.9	15.0	-9.3	15.0	0.02
4,758.0	1.4	132.4	4,756.9	16.6	-10.5	16.7	0.43
4,852.0	1.6	154.4	4,850.9	18.0	-12.4	18.1	0.64
4,947.0	1.3	149.2	4,945.9	19.1	-14.6	19.2	0.34
5,041.0	1.2	128.1	5,039.8	20.5	-16.1	20.5	0.50
5,136.0	0.8	120.2	5,134.8	21.8	-17.0	21.9	0.44
5,230.0	0.9	102.7	5,228.8	23.1	-17.5	23.2	0.29
5,325.0	1.0	96.9	5,323.8	24.6	-17.8	24.7	0.15
5,419.0	0.9	86.8	5,417.8	26.2	-17.8	26.3	0.21
5,514.0	0.6	63.7	5,512.8	27.4	-17.6	27.5	0.44
5,608.0	0.9	59.7	5,606.8	28.5	-17.0	28.5	0.32
5,702.0	0.9	65.9	5,700.8	29.8	-16.3	29.9	0.10
5,882.0	0.8	349.8	5,880.7	30.9	-14.5	30.9	0.58
5,976.0	0.6	271.1	5,974.7	30.2	-13.8	30.3	0.96
6,072.0	0.5	264.0	6,070.7	29.3	-13.9	29.4	0.13
6,167.0	0.7	250.8	6,165.7	28.4	-14.1	28.4	0.25
6,262.0	0.6	249.3	6,260.7	27.4	-14.5	27.4	0.11
6,357.0	1.3	276.4	6,355.7	25.8	-14.5	25.9	0.86

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
6,452.0	1.2	270.9	6,450.7	23.8	-14.4	23.8	0.16
6,547.0	1.1	272.5	6,545.7	21.8	-14.3	21.9	0.11
6,641.0	1.1	274.0	6,639.6	20.0	-14.2	20.1	0.03
6,735.0	1.1	268.2	6,733.6	18.2	-14.2	18.3	0.12
6,830.0	1.0	257.9	6,828.6	16.5	-14.4	16.6	0.22
6,924.0	1.0	250.5	6,922.6	14.9	-14.9	15.0	0.14
7,018.0	1.3	302.0	7,016.6	13.3	-14.6	13.3	1.10
7,113.0	1.5	307.0	7,111.6	11.4	-13.2	11.4	0.25
7,208.0	1.4	299.3	7,206.5	9.4	-11.9	9.4	0.23
7,302.0	1.2	299.7	7,300.5	7.5	-10.9	7.6	0.21
7,397.0	1.1	297.0	7,395.5	5.8	-10.0	5.9	0.12
7,491.0	1.0	288.2	7,489.5	4.3	-9.3	4.3	0.20
7,586.0	0.9	292.2	7,584.5	2.8	-8.8	2.8	0.13
7,680.0	0.9	290.6	7,678.4	1.4	-8.2	1.5	0.03
7,775.0	0.7	296.1	7,773.4	0.2	-7.7	0.2	0.23
7,890.0	0.5	296.4	7,888.4	-0.9	-7.2	-0.8	0.17
7,954.0	1.2	89.5	7,952.4	-0.5	-7.0	-0.4	2.60
7,986.0	5.0	88.9	7,984.4	1.3	-7.0	1.3	11.88
8,033.0	11.4	88.0	8,030.9	8.0	-6.8	8.0	13.62
8,081.0	17.3	82.4	8,077.3	19.8	-5.7	19.8	12.61
8,128.0	22.8	79.3	8,121.5	35.7	-3.1	35.7	11.91
8,176.0	28.9	82.0	8,164.7	56.4	0.3	56.4	12.94
8,223.0	35.0	83.4	8,204.5	81.0	3.4	81.0	13.07
8,272.0	40.4	85.2	8,243.3	110.9	6.3	110.8	11.25
8,319.0	44.1	86.7	8,278.1	142.4	8.6	142.3	8.16
8,367.0	48.5	87.4	8,311.2	177.0	10.3	177.0	9.23
8,414.0	51.6	88.9	8,341.4	213.1	11.5	213.0	7.03
8,462.0	54.5	89.5	8,370.2	251.4	12.0	251.4	6.12
8,509.0	57.4	90.3	8,396.6	290.3	12.1	290.3	6.33
8,558.0	60.1	91.1	8,422.0	332.2	11.6	332.2	5.68
8,605.0	60.6	91.5	8,445.2	373.1	10.6	373.0	1.30
8,653.0	60.5	92.1	8,468.8	414.8	9.3	414.8	1.11
8,700.0	60.2	92.1	8,492.1	455.6	7.8	455.6	0.64
8,747.0	63.4	91.1	8,514.3	497.0	6.7	497.0	7.06
8,794.0	67.2	91.1	8,533.9	539.7	5.9	539.7	8.09
8,843.0	69.9	90.4	8,551.8	585.3	5.3	585.3	5.67
8,890.0	71.1	90.3	8,567.5	629.6	5.0	629.6	2.56
8,938.0	71.7	90.9	8,582.8	675.1	4.5	675.1	1.72
8,985.0	75.1	90.0	8,596.3	720.1	4.2	720.1	7.46
9,033.0	78.5	88.5	8,607.2	766.8	4.8	766.8	7.71
9,080.0	80.8	88.2	8,615.7	813.1	6.1	813.0	4.93
9,129.0	82.6	88.1	8,622.7	861.5	7.7	861.5	3.68
9,176.0	85.5	88.9	8,627.6	908.3	8.9	908.2	6.40
9,223.0	87.6	89.7	8,630.4	955.2	9.5	955.1	4.78
9,318.0	90.1	91.1	8,632.3	1,050.1	8.8	1,050.1	3.02
9,413.0	89.5	91.1	8,632.7	1,145.1	7.0	1,145.1	0.63
9,508.0	89.1	89.5	8,633.8	1,240.1	6.5	1,240.1	1.74
9,604.0	89.6	89.7	8,634.9	1,336.1	7.2	1,336.1	0.56
9,699.0	91.2	88.6	8,634.3	1,431.1	8.6	1,431.0	2.04
9,794.0	94.0	88.5	8,630.0	1,525.9	11.0	1,525.9	2.95
9,889.0	95.3	88.3	8,622.3	1,620.6	13.6	1,620.6	1.38
9,985.0	96.1	88.3	8,612.7	1,716.1	16.4	1,716.0	0.83
10,080.0	96.1	91.5	8,602.6	1,810.6	16.6	1,810.5	3.35
10,176.0	93.0	92.0	8,595.0	1,906.2	13.7	1,906.1	3.27
10,271.0	92.0	90.0	8,590.9	2,001.1	12.0	2,001.0	2.35
10,366.0	90.7	88.8	8,588.6	2,096.0	13.0	2,096.0	1.86
10,461.0	94.1	89.6	8,584.6	2,190.9	14.4	2,190.9	3.68
10,557.0	95.6	90.2	8,576.5	2,286.6	14.5	2,286.5	1.68
10,652.0	94.0	89.8	8,568.6	2,381.2	14.5	2,381.2	1.74
10,747.0	95.3	90.4	8,560.9	2,475.9	14.4	2,475.9	1.51
10,843.0	96.5	91.1	8,551.0	2,571.4	13.1	2,571.4	1.45
10,938.0	94.6	89.9	8,541.8	2,665.9	12.3	2,665.9	2.36
11,033.0	89.0	88.6	8,538.8	2,760.8	13.5	2,760.8	6.05
11,128.0	89.1	88.9	8,540.4	2,855.8	15.6	2,855.8	0.33
11,223.0	90.6	89.2	8,540.7	2,950.8	17.2	2,950.8	1.61
11,319.0	91.7	89.2	8,538.7	3,046.8	18.5	3,046.7	1.15

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
11,414.0	92.3	89.3	8,535.4	3,141.7	19.8	3,141.7	0.64
11,510.0	93.6	89.8	8,530.5	3,237.6	20.5	3,237.5	1.45
11,605.0	92.2	90.1	8,525.7	3,332.5	20.6	3,332.4	1.51
11,700.0	92.4	90.3	8,521.9	3,427.4	20.3	3,427.3	0.30
11,795.0	93.0	90.4	8,517.4	3,522.3	19.7	3,522.2	0.64
11,891.0	93.0	88.9	8,512.4	3,618.1	20.3	3,618.1	1.56
11,986.0	94.2	87.7	8,506.4	3,712.9	23.1	3,712.9	1.78
12,081.0	91.9	89.0	8,501.3	3,807.8	25.8	3,807.7	2.78
12,176.0	92.1	88.8	8,498.0	3,902.7	27.6	3,902.6	0.30
12,271.0	91.9	88.6	8,494.7	3,997.6	29.8	3,997.5	0.30
12,367.0	92.1	89.0	8,491.4	4,093.5	31.8	4,093.4	0.47
12,462.0	92.6	89.0	8,487.5	4,188.5	33.5	4,188.3	0.53
12,557.0	93.3	89.7	8,482.6	4,283.3	34.5	4,283.2	1.04
12,652.0	95.0	90.7	8,475.7	4,378.1	34.2	4,377.9	2.07
12,747.0	96.2	90.5	8,466.4	4,472.6	33.2	4,472.5	1.28
12,843.0	95.4	91.0	8,456.7	4,568.1	32.0	4,568.0	0.98
12,938.0	94.3	90.7	8,448.7	4,662.7	30.6	4,662.6	1.20
13,033.0	94.7	89.9	8,441.2	4,757.4	30.1	4,757.3	0.94
13,128.0	90.7	88.8	8,436.8	4,852.3	31.1	4,852.2	4.37
13,223.0	91.1	88.6	8,435.3	4,947.3	33.3	4,947.2	0.47
13,318.0	93.9	88.0	8,431.1	5,042.1	36.1	5,042.0	3.01
13,413.0	97.4	89.3	8,421.8	5,136.7	38.3	5,136.5	3.93
13,508.0	97.5	89.0	8,409.5	5,230.8	39.7	5,230.7	0.33
13,604.0	97.1	89.7	8,397.3	5,326.1	40.8	5,325.9	0.83
13,699.0	95.3	89.3	8,387.0	5,420.5	41.6	5,420.4	1.94
13,794.0	92.2	88.9	8,380.8	5,515.3	43.1	5,515.1	3.29
13,890.0	94.0	89.6	8,375.6	5,611.1	44.4	5,611.0	2.01
13,984.0	92.9	89.4	8,370.0	5,705.0	45.2	5,704.8	1.19
14,080.0	92.4	89.7	8,365.5	5,800.9	46.0	5,800.7	0.61
14,174.0	91.9	90.5	8,362.0	5,894.8	45.8	5,894.6	1.00
14,269.0	90.3	91.1	8,360.2	5,989.8	44.5	5,989.6	1.80
14,363.0	88.6	90.9	8,361.1	6,083.7	42.8	6,083.6	1.82
14,458.0	89.0	91.1	8,363.1	6,178.7	41.2	6,178.5	0.47
14,552.0	90.7	91.7	8,363.3	6,272.6	38.9	6,272.5	1.92
14,641.0	91.9	92.6	8,361.3	6,361.5	35.5	6,361.4	1.69
14,713.0	91.9	92.6	8,358.9	6,433.4	32.3	6,433.3	0.00

PAR FIVE
ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

PLUG & ABANDON

**CAZA OPERATING LLC
LENNOX 33 STATE #6H
LEA, NEW MEXICO**

**PRIMARY PUMP: 2002
SECONDARY PUMP:**

PREPARED BY: TRAVIS KELSEY

**SERVICE SUPERVISOR
ARTESIA DISTRICT
1-575-748-8610**

12/19/2019

WELL SUMMARY



ENERGY SERVICES LLC

COMPANY NAME:	CAZA OPERATING LLC	DATE:	12/19/2019
LEASE NAME:	LENNOX 33 STATE	OPERATOR NAME:	
WELL NUMBER:	#006H	TICKET NUMBER:	25
API NUMBER:	30-025-433349	AFE NUMBER:	
SECTION:		TOWNSHIP:	RANGE:
COUNTY:	LEA	STATE:	NEW MEXICO
RIG NAME:		COMPANY REP:	MR. COREY ROGERS
		PHONE#:	1-575-513-5148

DIRECTIONS

US82 EAST to CR529 EAST to US62/180 turn LEFT EAST to state Road 8 turn RIGHT SOUTH and go to CR176 turn RIGHT WEST and go to Weaver Rd turn LEFT SOUTH +/- 5 miles and follow road until it turns into Delaware Basin Rd continue 7.7 miles turn RIGHT go 1.1 mile turn LEFT for 0.4 miles to location

NOTES

ENTERED BY JOSEPH SERRANO 12/19/19

HSE

ALL EMPLOYEES BE SAFE AND WEAR PROPER PPE

JOB PROCEDURE

FOLLOW COMPANY'S REQUEST AS PER PLUGGING

WELL SUMMARY



WELL / CASING DATA

JOB TYPE: PLUG & ABANDON	HOLE SIZE: 5 1/2
TVD: 8100	PREVIOUS CASING SIZE:
PREVIOUS CASING LB/FT:	PREVIOUS CASING DEPTH:
CASING SIZE:	
CASING LB/FT:	CASING GRADE:
FLOAT COLLAR DEPTH	SHOE JOINT LENGTH:
DV TOOL DEPTH:	SECOND DV TOOL DEPTH:
TOTAL DEPTH: 8100	TOTAL CASING : 8100

TUBULAR DATA

TBG/D.P. SIZE: 2 7/8	TBG/D.P. DEPTH:
TBG/D.P. LB/FT: 6.5	TOOL DEPTH:
PACKER OR RETAINER	PERF/HOLE DEPTH:

SURFACE EQUIPMENT

CEMENT HEAD SIZE:	QUICK CONNECT SIZE:
DRILL PIN SIZE/TYPE:	THREAD:
TUBING SWEDGE SIZE	TAKE 2 - 2 INCH REGULAR TUBING SWEDGES

CHEMICALS NEEDED

2500# PF128 SALT WATER GEL, 500# PF1 CALCIUM, 300# SUGAR

EQUIPMENT

SUPERVISOR: Travis Kelsey	FIELD REPRESENTATIVE:
PUMP OPERATOR: Joseph Castillas	UNIT NUMBER:
E/O: Juan Lazano	UNIT NUMBER: 1010/2022
E/O: Isaac Hobbs	UNIT NUMBER: FLAT BED
E/O:	UNIT NUMBER: RONNIE SPANGLER- 1020/2006
E/O:	UNIT NUMBER:

FLUID DATA

1ST SLURRY:		H NEAT					
DENSITY:	15.6	YIELD:	1.18	MIX H2O:	5.22	SACKS:	35
2ND SLURRY:		C NEAT					
DENSITY:	14.8	YIELD:	1.32	MIX H2O:	6.304	SACKS:	580
3RD SLURRY:							
DENSITY:		YIELD:		MIX H2O:		SACKS:	
4TH SLURRY:							
DENSITY:		YIELD:		MIX H2O:		SACKS:	
5TH SLURRY							
DENSITY:		YIELD:		MIX H2O:		SACKS:	

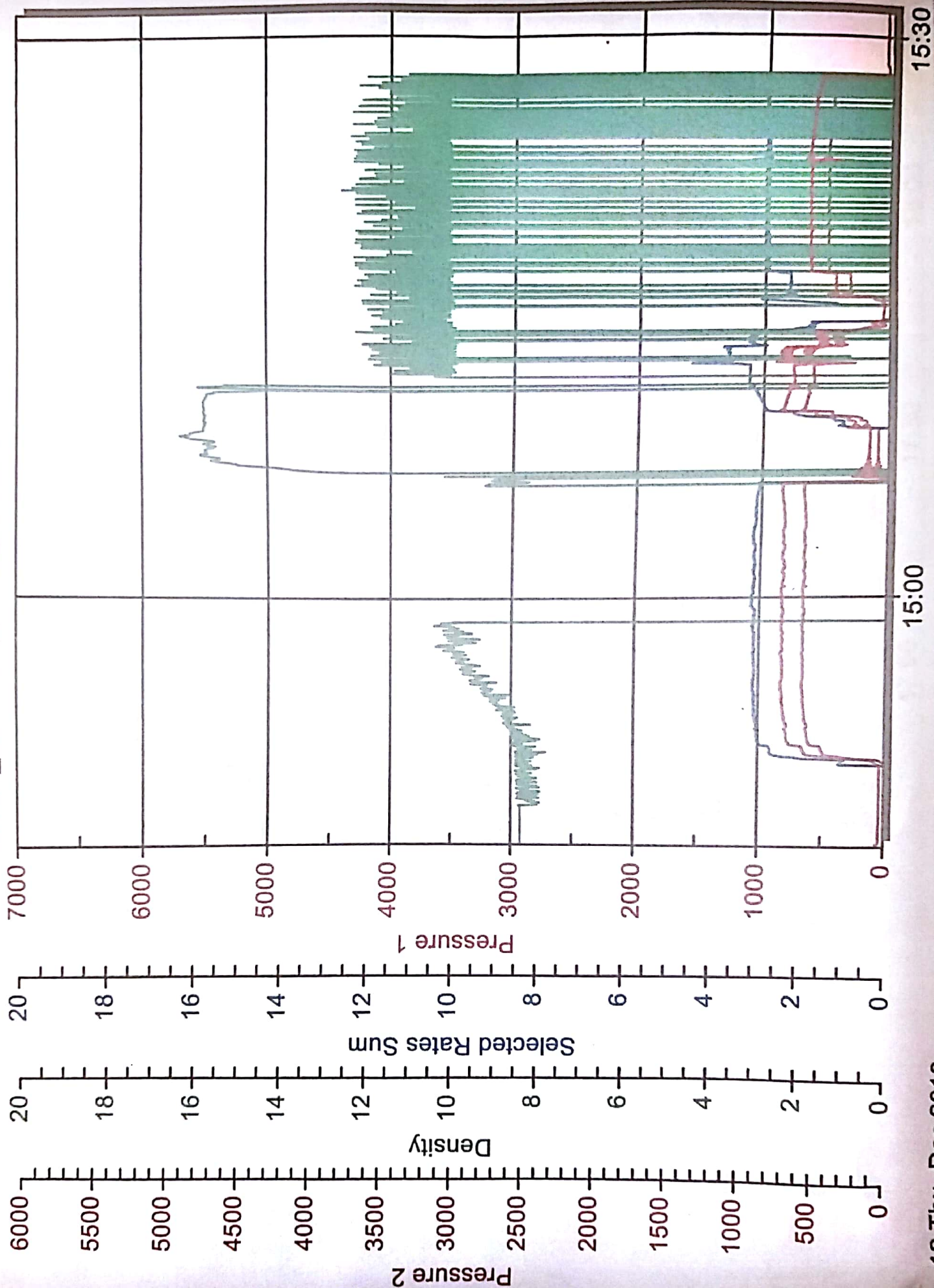
JOB LOG

PAR FIVE

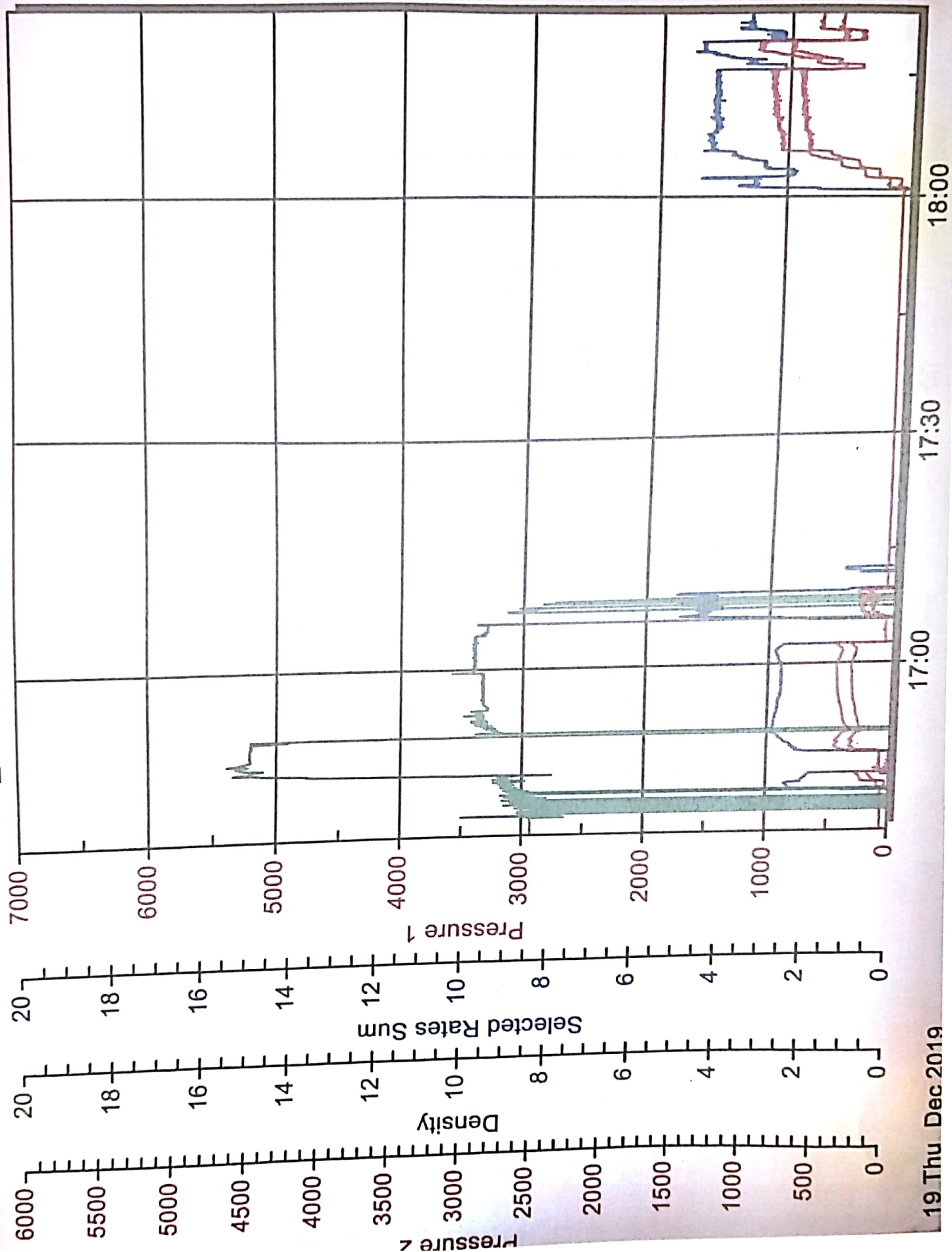
ENERGY SERVICES LLC

COMPANY NAME: CAZA OPERATING LLC				DATE: 12/19/2019	
LEASE NAME: LENNOX 33 STATE				TICKET NUMBER: 25	
WELL NUMBER: #006H				JOB TYPE: PLUG & ABANDON	
SCHEDULED LOCATION TIME		13:00		DATE LEFT LOCATION	12/20/2019
TIME ARRIVED ON LOCATION		11:00		TIME LEFT LOCATION	17:00
TIME	PRESSURE TUBING Casing		VOLUME	RATE	LOG DETAILS
8:30					PRE-CONVOY MEETING
9:00					DEPARTURE FROM YARD
11:00					ARRIVE LOCATION
11:23					HAZZARD ASSESMENT
14:30					PRE-RIG UP MEETING
14:43		1000	2	2	1ST PLUG @ 7996"
14:45		543	45	3	SPOT MUD
15:04		707	5	3	FRESH AHEAD
15:09		718	5	3	CEMENT @ 15.6
15:12		657	2	3	FRESH BEHIND
15:13		547	42	3	MUD
15:28					SHUT DOWN
					LAY DOWN TUBING
					2ND PLUG @ 5835"
16:45		201	5	3	FRESH AHEAD
16:48		348	6	3	CEMENT @ 14.8
16:51		305	2	3	FRESH BEHIND
16:52		325	30	3	MUD
17:00					SHUTDOWN
18:00		900	89	4.5	REVERSE OUT
18:30					SHUTDOWN FOR THE DAY
					3RD PLUG @ 4081"
10:40		421	48	3	SPOT MUD
10:58		200	5	3	FRESF AHEAD
11:02		393	6	3	CEMENT @ 14.8#
11:04		330	2	3	FRESH BEHIND
11:05		270	20	3	MUD
11:13					SHUTDOWN
					LAY DOWN PIPE
					PLUG 4 @ 1990
15:41		800	20	5.5	BREAK CIRCULATION
15:50		550	152	5.5	CEMENT @ 14.8#
17:00					SHUTDOWN/END JOB/ CIRCULATED 11 BBL OR 47 SACK TO SURF.

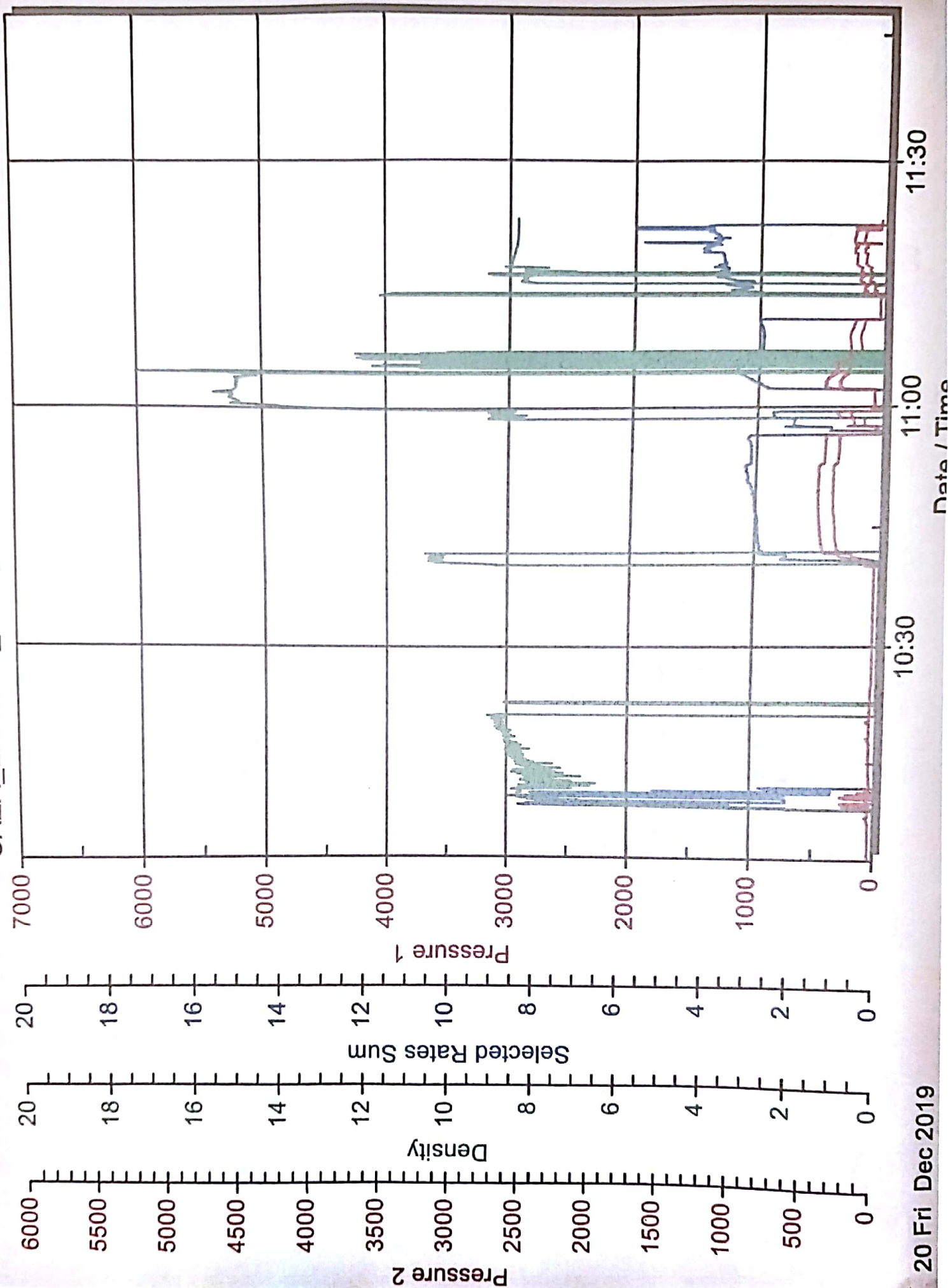
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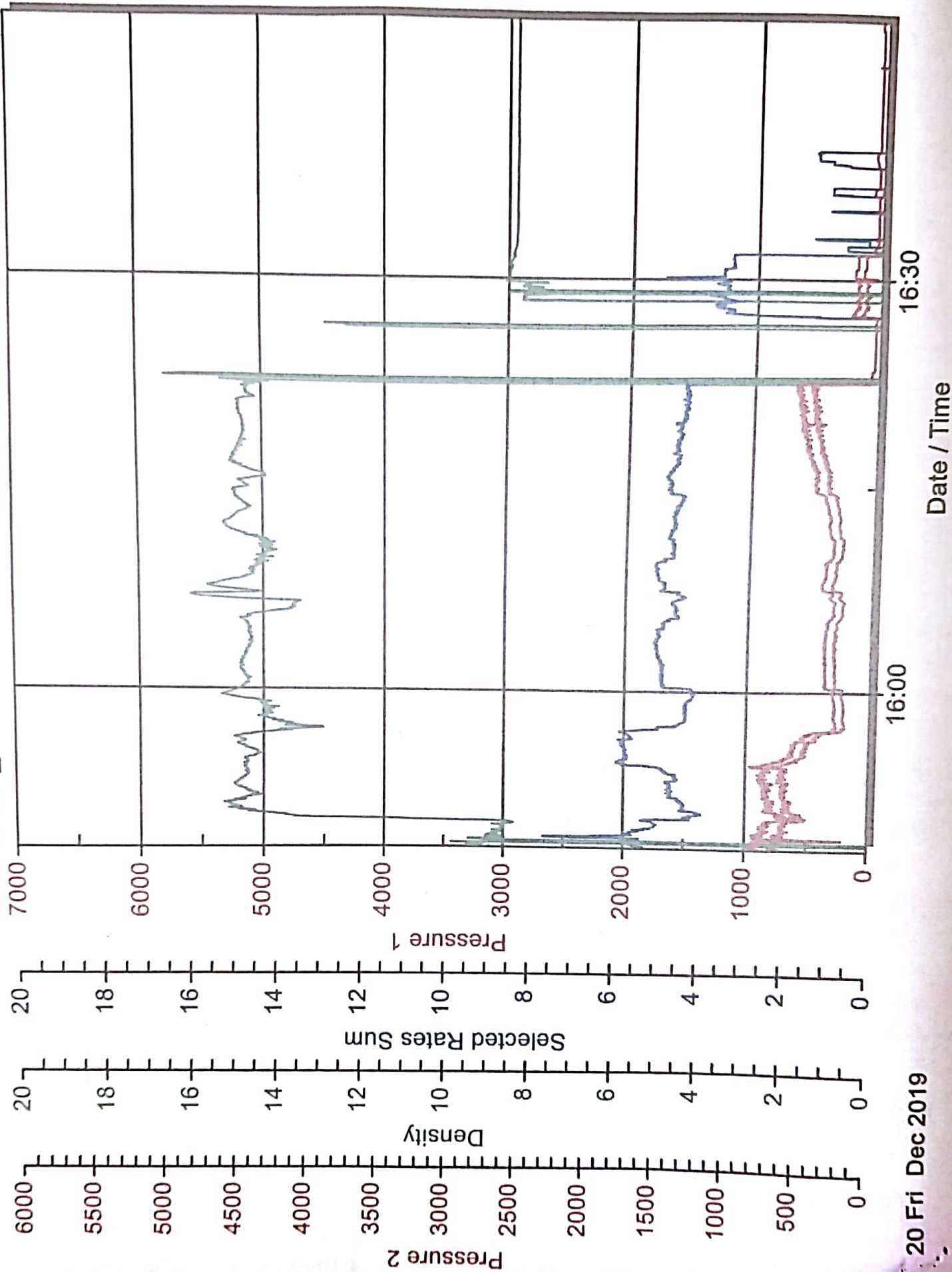
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20 Fri Dec 2019





CAZA
OPERATING LLC.
LENNOX 33 ST. 6H
SEC. 32, T22S, R35E
330 FNL & 200FEL
API 30-025-43349
12-21-19

100sx Class C Cement

2/22 3:10:16 PM

243sx Class C Cement

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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	Township/Block	Range/Survey
3,526.0	3,548.0	32	22S	35E
Operator		Well Status	Latitude	Longitude
Caza Oil and Gas, Inc		Completed	32.354465	-103.381293
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
330	FNL	200	FEL	Section
Prop Num			Spud Date	Comp. Date
39017			9/30/2016	11/20/2016
Additional Information				
OGRID	Well Type		Pool Name and Number	Lease No. and Bond No.
249099	Horizontal Oil		Rock Lake; Delaware (97663)	
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

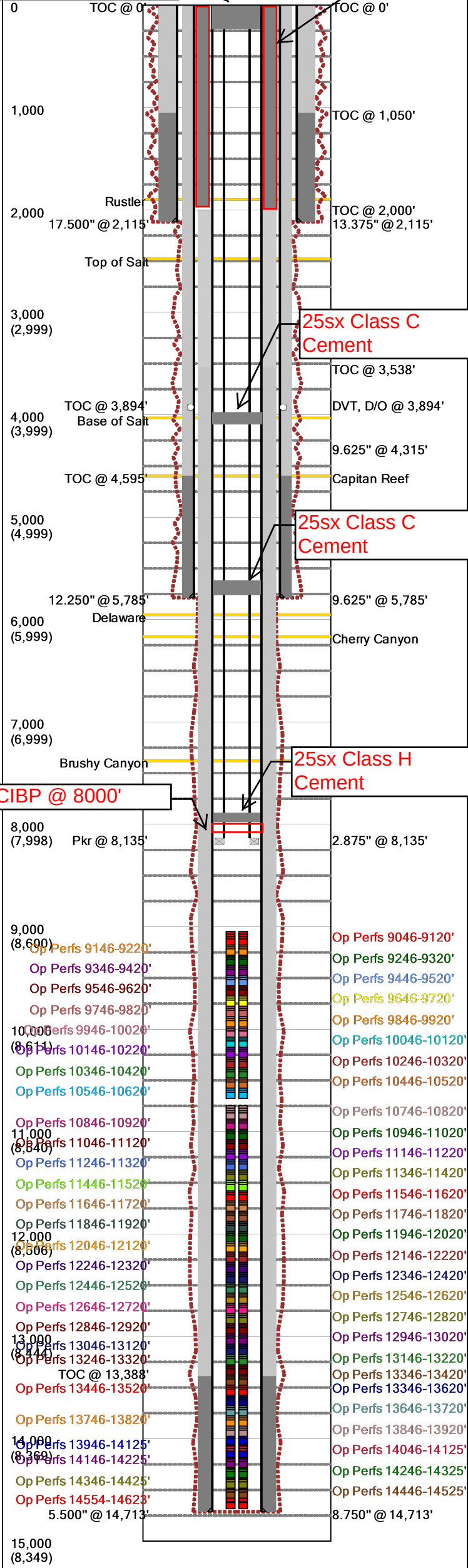
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	10/3/2016	1,162	13.375	0	1,050	Circulated 200bbbls to surface
	10/3/2016	552	13.375	1,050	2,115	
	10/7/2016	1,312	9.625	0	3,894	TOC - 2160 temp log. Perfrom top job to surface
	10/7/2016	163	9.625	3,894	4,595	
	10/7/2016	616	9.625	4,595	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



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

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	

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)	E/W Line	Footage From	
32	22S		35E		330	FNL	200	FEL	Section	
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 200bbls 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-		

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 447 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	

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	

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, 19,000# 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

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 786 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-29bpm, AP-2393#, MaxP-3231#. 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	

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 667 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-2281#, 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	

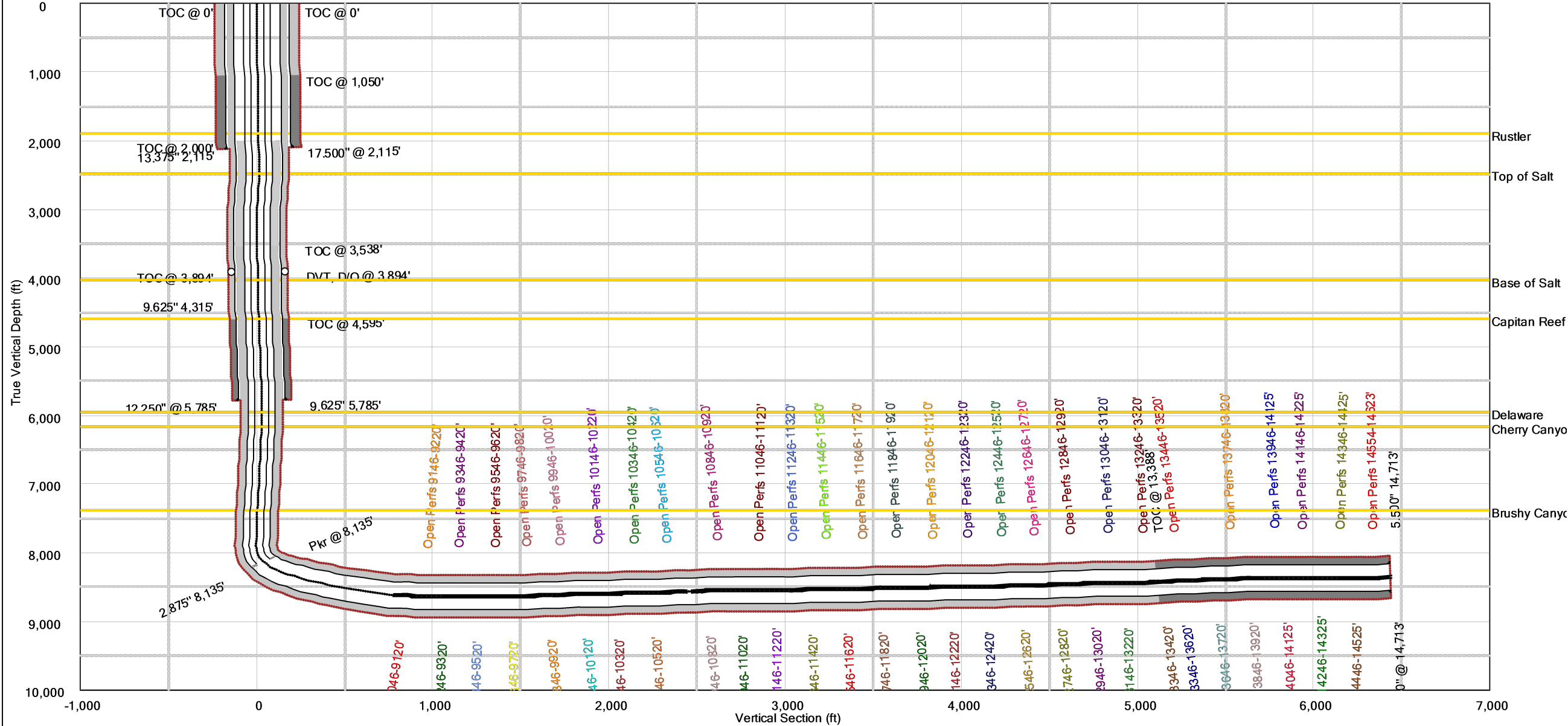
C	Date	Perf. Status	Formation		Comments	
Top (MD ft)		Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
10,246		10,250	6	24	60	
10,271		10,275	6	24	60	
10,296		10,300	6	24	60	
10,316		10,320	6	24	60	
C	Date	Perf. Status	Formation		Comments	
	11/13/2016	Open	Lower Brushy Canyon		1936 bbls comprised 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, 30,000# 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, 30,140# 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-3198#. 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	

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	

Field Name			Lease Name			Well No.		County		State		API No.		Version	Version Tag		Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Lennox			Lennox 33 State			6H		Lea		New Mexico		30025433490000		1			9/30/2016	11/20/2016	3,526.0	3,548.0
Sec.	Township/Block		Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		Latitude		Longitude		Well Status		PropNum		Operator	
32	22S		35E		330	FNL	200	FEL			32.354465		-103.381293		Completed		39017		Caza Oil and Gas, Inc	
Last Updated		Prepared By			Updated By			Additional Information												
2/8/2017 1:24:39 PM		Steve Morris			Steve Morris															



Field Name		Lease Name	Well No.	API No.	Version	Version Tag	
Lennox		Lennox 33 State	6H	30025433490000	1		
Section	Township/Block	Range/Survey	County	State	GL (ft)	KB (ft)	
32	22S	35E	Lea	New Mexico	3,526.0	3,548.0	
Target N (-S) (ft)		Target E (-W) (ft)	Latitude	Longitude	Operator	Well Status	
32.26756		6433.313	32.354465	-103.381293	Caza Oil and Gas, Inc	Completed	
Additional Information							

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
154.0	0.4	120.0	154.0	0.5	-0.3	0.5	0.26
338.0	0.4	122.8	338.0	1.6	-0.9	1.6	0.01
522.0	0.4	99.5	522.0	2.7	-1.4	2.7	0.09
706.0	0.4	80.5	706.0	4.0	-1.4	4.0	0.07
890.0	0.4	73.2	890.0	5.2	-1.1	5.3	0.03
1,074.0	0.4	82.0	1,074.0	6.5	-0.8	6.5	0.03
1,261.0	0.4	73.9	1,261.0	7.8	-0.6	7.8	0.03
1,452.0	0.3	52.9	1,452.0	8.8	-0.1	8.8	0.08
1,640.0	0.4	74.7	1,640.0	9.8	0.4	9.8	0.09
1,833.0	0.1	30.3	1,833.0	10.6	0.7	10.6	0.17
2,023.0	0.6	68.4	2,023.0	11.6	1.2	11.6	0.28
2,213.0	2.4	62.0	2,212.9	16.0	3.5	16.0	0.95
2,308.0	1.9	37.6	2,307.8	18.8	5.7	18.7	1.09
2,402.0	1.9	352.9	2,401.8	19.5	8.4	19.5	1.54
2,496.0	2.3	312.4	2,495.7	18.0	11.3	17.9	1.60
2,590.0	2.1	312.8	2,589.6	15.3	13.7	15.3	0.21
2,684.0	2.2	312.4	2,683.6	12.7	16.1	12.7	0.11
2,779.0	2.2	295.8	2,778.5	9.8	18.1	9.7	0.67
2,873.0	2.5	286.4	2,872.4	6.2	19.5	6.1	0.52
2,967.0	1.5	261.9	2,966.4	3.0	19.9	2.9	1.38
3,062.0	1.7	190.1	3,061.3	1.5	18.3	1.4	1.98
3,156.0	1.9	178.9	3,155.3	1.3	15.4	1.2	0.43
3,250.0	1.7	177.1	3,249.3	1.4	12.4	1.3	0.22
3,345.0	1.7	172.9	3,344.2	1.6	9.6	1.5	0.13
3,439.0	1.5	161.5	3,438.2	2.1	7.1	2.1	0.40
3,534.0	1.8	160.3	3,533.1	3.0	4.5	3.0	0.32
3,628.0	1.8	152.2	3,627.1	4.2	1.8	4.2	0.27
3,722.0	1.9	140.4	3,721.0	5.9	-0.7	5.9	0.42
3,817.0	1.0	140.5	3,816.0	7.4	-2.6	7.4	0.95
3,910.0	0.4	176.3	3,909.0	7.9	-3.5	7.9	0.77
4,005.0	0.6	152.5	4,004.0	8.2	-4.3	8.2	0.30
4,099.0	0.7	144.1	4,098.0	8.7	-5.2	8.8	0.15
4,193.0	0.6	133.3	4,192.0	9.4	-6.0	9.5	0.17
4,286.0	0.6	126.6	4,285.0	10.2	-6.6	10.2	0.08
4,381.0	0.6	112.4	4,380.0	11.0	-7.1	11.1	0.16
4,475.0	0.8	116.8	4,474.0	12.1	-7.6	12.1	0.22
4,569.0	1.1	120.5	4,568.0	13.4	-8.3	13.5	0.33
4,664.0	1.1	119.6	4,662.9	15.0	-9.3	15.0	0.02
4,758.0	1.4	132.4	4,756.9	16.6	-10.5	16.7	0.43
4,852.0	1.6	154.4	4,850.9	18.0	-12.4	18.1	0.64
4,947.0	1.3	149.2	4,945.9	19.1	-14.6	19.2	0.34
5,041.0	1.2	128.1	5,039.8	20.5	-16.1	20.5	0.50
5,136.0	0.8	120.2	5,134.8	21.8	-17.0	21.9	0.44
5,230.0	0.9	102.7	5,228.8	23.1	-17.5	23.2	0.29
5,325.0	1.0	96.9	5,323.8	24.6	-17.8	24.7	0.15
5,419.0	0.9	86.8	5,417.8	26.2	-17.8	26.3	0.21
5,514.0	0.6	63.7	5,512.8	27.4	-17.6	27.5	0.44
5,608.0	0.9	59.7	5,606.8	28.5	-17.0	28.5	0.32
5,702.0	0.9	65.9	5,700.8	29.8	-16.3	29.9	0.10
5,882.0	0.8	349.8	5,880.7	30.9	-14.5	30.9	0.58
5,976.0	0.6	271.1	5,974.7	30.2	-13.8	30.3	0.96
6,072.0	0.5	264.0	6,070.7	29.3	-13.9	29.4	0.13
6,167.0	0.7	250.8	6,165.7	28.4	-14.1	28.4	0.25
6,262.0	0.6	249.3	6,260.7	27.4	-14.5	27.4	0.11
6,357.0	1.3	276.4	6,355.7	25.8	-14.5	25.9	0.86

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
6,452.0	1.2	270.9	6,450.7	23.8	-14.4	23.8	0.16
6,547.0	1.1	272.5	6,545.7	21.8	-14.3	21.9	0.11
6,641.0	1.1	274.0	6,639.6	20.0	-14.2	20.1	0.03
6,735.0	1.1	268.2	6,733.6	18.2	-14.2	18.3	0.12
6,830.0	1.0	257.9	6,828.6	16.5	-14.4	16.6	0.22
6,924.0	1.0	250.5	6,922.6	14.9	-14.9	15.0	0.14
7,018.0	1.3	302.0	7,016.6	13.3	-14.6	13.3	1.10
7,113.0	1.5	307.0	7,111.6	11.4	-13.2	11.4	0.25
7,208.0	1.4	299.3	7,206.5	9.4	-11.9	9.4	0.23
7,302.0	1.2	299.7	7,300.5	7.5	-10.9	7.6	0.21
7,397.0	1.1	297.0	7,395.5	5.8	-10.0	5.9	0.12
7,491.0	1.0	288.2	7,489.5	4.3	-9.3	4.3	0.20
7,586.0	0.9	292.2	7,584.5	2.8	-8.8	2.8	0.13
7,680.0	0.9	290.6	7,678.4	1.4	-8.2	1.5	0.03
7,775.0	0.7	296.1	7,773.4	0.2	-7.7	0.2	0.23
7,890.0	0.5	296.4	7,888.4	-0.9	-7.2	-0.8	0.17
7,954.0	1.2	89.5	7,952.4	-0.5	-7.0	-0.4	2.60
7,986.0	5.0	88.9	7,984.4	1.3	-7.0	1.3	11.88
8,033.0	11.4	88.0	8,030.9	8.0	-6.8	8.0	13.62
8,081.0	17.3	82.4	8,077.3	19.8	-5.7	19.8	12.61
8,128.0	22.8	79.3	8,121.5	35.7	-3.1	35.7	11.91
8,176.0	28.9	82.0	8,164.7	56.4	0.3	56.4	12.94
8,223.0	35.0	83.4	8,204.5	81.0	3.4	81.0	13.07
8,272.0	40.4	85.2	8,243.3	110.9	6.3	110.8	11.25
8,319.0	44.1	86.7	8,278.1	142.4	8.6	142.3	8.16
8,367.0	48.5	87.4	8,311.2	177.0	10.3	177.0	9.23
8,414.0	51.6	88.9	8,341.4	213.1	11.5	213.0	7.03
8,462.0	54.5	89.5	8,370.2	251.4	12.0	251.4	6.12
8,509.0	57.4	90.3	8,396.6	290.3	12.1	290.3	6.33
8,558.0	60.1	91.1	8,422.0	332.2	11.6	332.2	5.68
8,605.0	60.6	91.5	8,445.2	373.1	10.6	373.0	1.30
8,653.0	60.5	92.1	8,468.8	414.8	9.3	414.8	1.11
8,700.0	60.2	92.1	8,492.1	455.6	7.8	455.6	0.64
8,747.0	63.4	91.1	8,514.3	497.0	6.7	497.0	7.06
8,794.0	67.2	91.1	8,533.9	539.7	5.9	539.7	8.09
8,843.0	69.9	90.4	8,551.8	585.3	5.3	585.3	5.67
8,890.0	71.1	90.3	8,567.5	629.6	5.0	629.6	2.56
8,938.0	71.7	90.9	8,582.8	675.1	4.5	675.1	1.72
8,985.0	75.1	90.0	8,596.3	720.1	4.2	720.1	7.46
9,033.0	78.5	88.5	8,607.2	766.8	4.8	766.8	7.71
9,080.0	80.8	88.2	8,615.7	813.1	6.1	813.0	4.93
9,129.0	82.6	88.1	8,622.7	861.5	7.7	861.5	3.68
9,176.0	85.5	88.9	8,627.6	908.3	8.9	908.2	6.40
9,223.0	87.6	89.7	8,630.4	955.2	9.5	955.1	4.78
9,318.0	90.1	91.1	8,632.3	1,050.1	8.8	1,050.1	3.02
9,413.0	89.5	91.1	8,632.7	1,145.1	7.0	1,145.1	0.63
9,508.0	89.1	89.5	8,633.8	1,240.1	6.5	1,240.1	1.74
9,604.0	89.6	89.7	8,634.9	1,336.1	7.2	1,336.1	0.56
9,699.0	91.2	88.6	8,634.3	1,431.1	8.6	1,431.0	2.04
9,794.0	94.0	88.5	8,630.0	1,525.9	11.0	1,525.9	2.95
9,889.0	95.3	88.3	8,622.3	1,620.6	13.6	1,620.6	1.38
9,985.0	96.1	88.3	8,612.7	1,716.1	16.4	1,716.0	0.83
10,080.0	96.1	91.5	8,602.6	1,810.6	16.6	1,810.5	3.35
10,176.0	93.0	92.0	8,595.0	1,906.2	13.7	1,906.1	3.27
10,271.0	92.0	90.0	8,590.9	2,001.1	12.0	2,001.0	2.35
10,366.0	90.7	88.8	8,588.6	2,096.0	13.0	2,096.0	1.86
10,461.0	94.1	89.6	8,584.6	2,190.9	14.4	2,190.9	3.68
10,557.0	95.6	90.2	8,576.5	2,286.6	14.5	2,286.5	1.68
10,652.0	94.0	89.8	8,568.6	2,381.2	14.5	2,381.2	1.74
10,747.0	95.3	90.4	8,560.9	2,475.9	14.4	2,475.9	1.51
10,843.0	96.5	91.1	8,551.0	2,571.4	13.1	2,571.4	1.45
10,938.0	94.6	89.9	8,541.8	2,665.9	12.3	2,665.9	2.36
11,033.0	89.0	88.6	8,538.8	2,760.8	13.5	2,760.8	6.05
11,128.0	89.1	88.9	8,540.4	2,855.8	15.6	2,855.8	0.33
11,223.0	90.6	89.2	8,540.7	2,950.8	17.2	2,950.8	1.61
11,319.0	91.7	89.2	8,538.7	3,046.8	18.5	3,046.7	1.15

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	Coordinate N (-S) (ft)	Coordinate E (-W) (ft)	DLS (deg/100 ft)
11,414.0	92.3	89.3	8,535.4	3,141.7	19.8	3,141.7	0.64
11,510.0	93.6	89.8	8,530.5	3,237.6	20.5	3,237.5	1.45
11,605.0	92.2	90.1	8,525.7	3,332.5	20.6	3,332.4	1.51
11,700.0	92.4	90.3	8,521.9	3,427.4	20.3	3,427.3	0.30
11,795.0	93.0	90.4	8,517.4	3,522.3	19.7	3,522.2	0.64
11,891.0	93.0	88.9	8,512.4	3,618.1	20.3	3,618.1	1.56
11,986.0	94.2	87.7	8,506.4	3,712.9	23.1	3,712.9	1.78
12,081.0	91.9	89.0	8,501.3	3,807.8	25.8	3,807.7	2.78
12,176.0	92.1	88.8	8,498.0	3,902.7	27.6	3,902.6	0.30
12,271.0	91.9	88.6	8,494.7	3,997.6	29.8	3,997.5	0.30
12,367.0	92.1	89.0	8,491.4	4,093.5	31.8	4,093.4	0.47
12,462.0	92.6	89.0	8,487.5	4,188.5	33.5	4,188.3	0.53
12,557.0	93.3	89.7	8,482.6	4,283.3	34.5	4,283.2	1.04
12,652.0	95.0	90.7	8,475.7	4,378.1	34.2	4,377.9	2.07
12,747.0	96.2	90.5	8,466.4	4,472.6	33.2	4,472.5	1.28
12,843.0	95.4	91.0	8,456.7	4,568.1	32.0	4,568.0	0.98
12,938.0	94.3	90.7	8,448.7	4,662.7	30.6	4,662.6	1.20
13,033.0	94.7	89.9	8,441.2	4,757.4	30.1	4,757.3	0.94
13,128.0	90.7	88.8	8,436.8	4,852.3	31.1	4,852.2	4.37
13,223.0	91.1	88.6	8,435.3	4,947.3	33.3	4,947.2	0.47
13,318.0	93.9	88.0	8,431.1	5,042.1	36.1	5,042.0	3.01
13,413.0	97.4	89.3	8,421.8	5,136.7	38.3	5,136.5	3.93
13,508.0	97.5	89.0	8,409.5	5,230.8	39.7	5,230.7	0.33
13,604.0	97.1	89.7	8,397.3	5,326.1	40.8	5,325.9	0.83
13,699.0	95.3	89.3	8,387.0	5,420.5	41.6	5,420.4	1.94
13,794.0	92.2	88.9	8,380.8	5,515.3	43.1	5,515.1	3.29
13,890.0	94.0	89.6	8,375.6	5,611.1	44.4	5,611.0	2.01
13,984.0	92.9	89.4	8,370.0	5,705.0	45.2	5,704.8	1.19
14,080.0	92.4	89.7	8,365.5	5,800.9	46.0	5,800.7	0.61
14,174.0	91.9	90.5	8,362.0	5,894.8	45.8	5,894.6	1.00
14,269.0	90.3	91.1	8,360.2	5,989.8	44.5	5,989.6	1.80
14,363.0	88.6	90.9	8,361.1	6,083.7	42.8	6,083.6	1.82
14,458.0	89.0	91.1	8,363.1	6,178.7	41.2	6,178.5	0.47
14,552.0	90.7	91.7	8,363.3	6,272.6	38.9	6,272.5	1.92
14,641.0	91.9	92.6	8,361.3	6,361.5	35.5	6,361.4	1.69
14,713.0	91.9	92.6	8,358.9	6,433.4	32.3	6,433.3	0.00

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 82192

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 82192
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	2/18/2022