

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Form C-103 August 1, 2011 Permit 273712 WELL API NUMBER 30-025-45289 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name LENNOX 34 STATE					
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: O		8. Well Number 001H					
2. Name of Operator CAZA OPERATING, LLC		9. OGRID Number 249099					
3. Address of Operator 200 N Loraine St, Suite 1550, Midland, TX 79701		10. Pool name or Wildcat					
4. Well Location Unit Letter M : 240 feet from the S line and feet 990 from the W line Section 34 Township 22S Range 35E NMPM County Lea							
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3523 GR							
Pit or Below-grade Tank Application or Closure							
Pit Type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water							
Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material							
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data							
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING Other: PLUG AND ABANDON CHANGE OF PLANS MULTIPLE COMPL SUBSEQUENT REPORT OF: ALTER CASING PLUG AND ABANDON Other: Perforations/Tubing							
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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.							
10/10/2019 - 10/15/2019 perf and frac well. No tubing ran. See Attached							
Perforations							
Pool: ROCK LAKE; BONE SPRING , 52766 Location: D -34-22S-35E 270 N 360 W							
TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount
14613	14637	N	6	0.6	Sand	Frac	405811
14496	14595	N	8	0.42	Sand	Frac	403960
14365	14455	N	8	0.42	Sand	Frac	401787
14219	14318	N	8	0.42	Sand	Frac	403040
14088	14183	N	8	0.42	Sand	Frac	401997
13932	14031	N	8	0.42	Sand	Frac	403592
13794	13893	N	8	0.42	Sand	Frac	396311
13670	13765	N	8	0.42	Sand	Frac	401562
13542	13639	N	8	0.42	Sand	Frac	394830
13413	13517	N	8	0.42	Sand	Frac	401390
13284	13388	N	8	0.42	Sand	Frac	405697
13155	13259	N	8	0.42	Sand	Frac	401060
13026	13130	N	8	0.42	Sand	Frac	401880
12896	12995	N	8	0.42	Sand	Frac	401020
12759	12862	N	8	0.42	Sand	Frac	401260
12634	12733	N	8	0.42	Sand	Frac	401240
12502	12601	N	8	0.42	Sand	Frac	404160
12367	12466	N	8	0.42	Sand	Frac	401220
12236	12335	N	8	0.42	Sand	Frac	402010
12097	12196	N	8	0.42	Sand	Frac	405560
11948	12047	N	8	0.42	Sand	Frac	401597
11814	11913	N	8	0.42	Sand	Frac	401240
11674	11773	N	8	0.42	Sand	Frac	401220
11552	11651	N	8	0.42	Sand	Frac	401820
11420	11519	N	8	0.42	Sand	Frac	401880
11294	11391	N	8	0.42	Sand	Frac	401420
11175	11269	N	8	0.42	Sand	Frac	405540
11044	11139	N	8	0.42	Sand	Frac	401631
10908	11007	N	8	0.42	Sand	Frac	401220
10776	10880	N	8	0.42	Sand	Frac	401220
10649	10748	N	8	0.42	Sand	Frac	401220
10519	10618	N	8	0.42	Sand	Frac	401220
10396	10487	N	8	0.42	Sand	Frac	384795
Tubing							

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Engineer</u>	DATE	<u>10/25/2019</u>
Type or print name	<u>Steve Morris</u>	E-mail address	<u>steve.morris@morcoreengineering.com</u>	Telephone No.	<u>432-201-3031</u>

For State Use Only:

APPROVED BY:	<u>Paul F Kautz</u>	TITLE	<u>Geologist</u>	DATE	<u>10/29/2019 3:02:04 PM</u>
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PAGE FRAC SUMMARY																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Frac Stage - Design																							
Pump Time [minutes]																							
Total Proppant [lbs]																							
Total Clean Fluid [bbls]																							
Frac Stage - Actual																							
Date	10/10/2019	10/10/2019	10/10/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/11/2019	10/12/2019	10/12/2019	10/12/2019	10/12/2019	10/12/2019	10/13/2019	10/13/2019	10/13/2019	10/13/2019	10/13/2019	10/13/2019	10/13/2019	10/13/2019	10/14/2019
Pump Time [minutes]	185	94	131	94	151	89	93	103	99	140	94	101	138	95	105	94	94	85	86	89	90	83	86
Formation	st Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint	Bone Sprint
Pre-Treat SICP	765	1,655	1,843	1,880	2,088	2,215	2,197	2,187	1,879	2,146	1,969	2,143	2,037	2,248	2,003	2,090	1,854	1,809	1,899	1,840	1,744	1,737	1,828
Breakdown Rate	28.0	14.0		15.0	20.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	5.0	15.0	15.0	16.0	16.0	16.0	14.0	14.0	14.0	16.0	16.0
Breakdown Press.	5,417	2,306		8,333	3,011	6,040	4,222	7,403	5,963	5,703	3,840	4,253	9,374	6,353	5,604	6,879	6,541	2,821	6,354	2,669	6,335	2,544	5,505
Breakdown Vol [bbls]	128.0	507.0		279.0	339.0	275.0	272.0	271.0	270.0	290.0	280.0	285.0	263.0	256.0	254.0	249.0	255.0	256.0	240.5	268.0	235.0	247.0	238.0
Avg. Slurry Rate	84.0	85.0	85.0	86.0	86.0	87.0	87.0	83.0	85.0	85.0	86.0	84.0	84.0	84.0	84.0	85.0	85.0	87.0	86.0	86.0	86.0	85.0	85.0
Avg. Treat Press.	3,504	3,860	4,124	5,499	5,220	5,486	5,026	7,054	6,937	7,766	6,745	8,258	6,944	6,083	6,525	5,837	5,284	4,988	5,498	4,817	4,760	4,904	4,754
Max Slurry Rate	87.0	86.0	91.0	86.0	87.0	90.0	85.0	85.0	86.0	85.0	86.0	86.0	85.0	87.0	86.0	86.0	86.0	87.0	86.0	86.0	90.0	88.0	86.0
Max Treat Press.	9,217	6,490	8,157	8,395	8,003	8,363	8,262	8,958	8,961	8,620	8,476	9,146	9,374	9,065	9,321	9,177	9,032	8,765	9,126	6,522	8,825	7,187	7,557
Stage Clean [bbls]	8,964.6	6,838.8	7,402.0	6,494.3	7,528.0	6,331.0	6,527.0	6,720.7	6,609.6	7,349.0	6,343.0	6,917.5	7,659.0	6,560.1	7,171.5	6,450.8	6,577.9	6,061.6	5,909.8	6,190.7	6,209.6	5,992.5	6,019.5
Stage Slurry [bbls]	9,404.2	7,274.1	7,861.5	6,955.8	8,053.0	6,772.0	6,950.0	6,962.3	6,863.5	7,604.0	6,707.0	7,164.1	8,156.0	6,819.2	7,474.6	6,749.1	6,890.0	6,494.5	6,347.3	6,511.0	6,507.8	6,290.0	6,329.3
Max Prop Conc [lb/gal]	2.55	2.59	2.80	2.83	2.89	2.84	2.80	2.83	2.77	2.77	2.92	2.86	2.67	2.76	2.80	2.86	2.86	2.66	3.04	2.89	2.97	2.88	3.01
ISIP	1,869	2,214	2,539	2,604	3,048	2,735	3,083	2,747	5,704	2,986	3,476	4,742	3,402	2,941	3,062	2,612	2,527	2,711	2,670	2,419	2,504	2,710	2,484
Frac Gradient	0.63	0.67	0.70	0.71	0.76	0.72	0.76	0.72	1.03	0.75	0.80	0.93	0.79	0.74	0.76	0.71	0.70	0.72	0.72	0.69	0.70	0.72	0.70
Proppant Placed [%]																							
Fluid Placed [%]																							
Frac Fluid																							
SlickWater	8,929	6,779	7,331	6,458	7,493	6,295	6,479	6,673	6,562	7,300	6,296	6,869	7,558	6,487	7,103	6,379	6,509	6,163	6,007	6,168	6,187	5,969	5,998
Acid	36	60	71	36	35	36	48	48	48	49	47	49	101	73	69	71	69	23	24	23	23	23	22
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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

Comments

Permit 273712

TUBING COMMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Permit Number: 273712
	Permit Type: Tubing

Comments

Created By	Comment	Comment Date
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There are no Comments for this Permit