

<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.020502 / -103.3175249	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 1H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM125402	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300254744900X1	<b>Well Status:</b> Drilling Well	<b>Operator:</b> CAZA OPERATING LLC

**Subsequent Report**

**Type of Submission:** Subsequent Report

**Type of Action:** Drilling Operations

**Date Sundry Submitted:** 01/15/2021

**Time Sundry Submitted:** 05:09

**Date Operation Actually Began:** 01/14/2021

**Actual Procedure:** 01/14/2021 Drilled 17.5" to 1,004'MD. Ran 23 joints of 13.375" 54.5# J55 BTC casing to 999'MD. Cement with 515sx Lead 12.8ppg 35/65 POZ Class C + 3% CaCl2 + 6% Gel + 0.4% CPT-503P. 315sx Tail 14.8ppg Class C neat. Circulate 97bbbls (330sx) to surface.

**SR Attachments**

**PActual Procedure**

Comanche\_1H\_Surface\_Cement\_Report\_20210115050903.pdf

Comanche\_25\_36\_State\_Fed\_Com\_1H\_\_\_\_Surface\_Casing\_Tally\_As\_ran\_20210115050845.pdf

**Well Name:** COMANCHE 25-36 FED STATE COM

**Well Location:** T26S / R35E / SEC 25 / NWNE / 32.020502 / -103.3175249

**County or Parish/State:** LEA / NM

**Well Number:** 1H

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM125402

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 300254744900X1

**Well Status:** Drilling Well

**Operator:** CAZA OPERATING LLC

**Operator Certification**

*I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.*

**Operator Electronic Signature:** MORRIS

**Signed on:** JAN 15, 2021 05:09 AM

**Name:** CAZA OPERATING LLC

**Title:** Engineer

**Street Address:** 200 NORTH LORRAINE SUITE 1550

**City:** MIDLAND

**State:** TX

**Phone:** (432) 638-8475

**Email address:** NOT ENTERED

**Field Representative**

**Representative Name:** STEVE MORRIS

**Street Address:** 200 N. LORRAINE ST 1550

**City:** MIDLAND

**State:** TX

**Zip:** 79701

**Phone:** (985)415-9729

**Email address:** steve.morris@morcorengineering.com

**BLM Point of Contact**

**BLM POC Name:** Jonathon W Shepard

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752345972

**BLM POC Email Address:** jshepard@blm.gov

**Disposition:** Accepted

**Disposition Date:** 01/22/2021

**Signature:** Jonathon Shepard



Rig: Citadel #2  
 Well: Comanche 25-36 State Fed Com 1H  
 County: Lea  
 Prospect: 3rd Bone Spring  
 Date: 1/13/2021

	Bottom Csg	Top Csg
Casing Size (in)	13 3/8	
Connection Type	BTC	
Weight (lb/ft)	54.5	54.5
Grade	J-55	
Casing I.D. (in)	12.615	
Casing Drift (in)	12.459	
Capacity (bbl/ft)	0.1546	0.1546 *
Disp. (bbl/ft)	0.0192	0.0192 *
Mud Wt. (ppg)	8.90	
Bouyancy Factor	0.869	0.869 *
Block Weight (lbs)	47000.000	
Burst Strength (psi)	2,730	
Collapse Strength (psi)	1,130	
Tension Strength (lb)	514,000	
Min torque (ft-lbs)	3,860	
Optimum torque (ft-lbs)	5,145	
Max torque (ft-lbs)	6,430	
Confirmed drift OD (in)	12.46	

T.D. (ft)	1,004.00 (From KB)
Shoe Depth (ft)	999.00
Top of FC (ft)	952.88

**XO Info:**

OD	
ID	
Length	
Top Depth	

Top Liner (ft):	
Liner Lap(ft):	

Btm Csg Length	965.04 *
Top Csg Length	

RKB to GL (ft)	23.60
RKB to 20" Cond. (ft.)	29.25
RKB to 5.5" Mandrel (ft)	22.60

Total Jts on Loc.	27
Total Jts ran in hole	23
Total Jts remain out	4
Marker Jts on Loc.	0
Marker Jts ran in hole	0
Marker Jts remain out	0
Damaged Jts on Loc.	

13 3/8 Landing Joint	33	(see instructions)
9 5/8" Landing Jt		(see instructions)

Required Stick Up (ft)	4.19 *
------------------------	--------

\*\*type "out" in comments to remove jt from calculations

(\* = Auto Calc.)

Joint #	Run In Hole #	JOINT LENGTH (ft)	CUM. LENGTH (ft) *	DEPTH FROM KB TO TOP OF JT (ft)*	O.D. *	Wt. (lb/ft) *	Wt. Ind. READING (lbs) *	CAP. (BBI) *	DISPL. (BBI) *	COMMENTS:
Shoe		2.30	2.30	996.70	13.375	54.50	47,109	0.36	0.04	
1	27	41.97	44.27	954.73	13.375	54.50	49,096	6.84	0.85	Centrilizer / Mid jt
Float		1.85	46.12	952.88	13.375	54.50	49,184	7.13	0.88	
2	26	41.96	88.08	910.92	13.375	54.50	51,170	13.62	1.69	Centrilizer / Mid jt
3	25	41.98	130.06	868.94	13.375	54.50	53,158	20.11	2.49	Centrilizer / Mid jt
4	24	41.99	172.05	826.95	13.375	54.50	55,146	26.60	3.30	
5	23	41.98	214.03	784.97	13.375	54.50	57,133	33.09	4.11	
6	22	41.98	256.01	742.99	13.375	54.50	59,121	39.58	4.91	
7	21	41.96	297.97	701.03	13.375	54.50	61,107	46.06	5.72	
8	20	41.95	339.92	659.08	13.375	54.50	63,093	52.55	6.52	
9	19	41.99	381.91	617.09	13.375	54.50	65,081	59.04	7.33	
10	18	41.96	423.87	575.13	13.375	54.50	67,068	65.53	8.13	
11	17	41.96	465.83	533.17	13.375	54.50	69,054	72.01	8.93	
12	16	41.98	507.81	491.19	13.375	54.50	71,042	78.50	9.74	
13	15	41.93	549.74	449.26	13.375	54.50	73,027	84.98	10.54	
14	14	41.94	591.68	407.32	13.375	54.50	75,013	91.47	11.35	
15	13	41.97	633.65	365.35	13.375	54.50	77,000	97.96	12.15	
16	12	41.97	675.62	323.38	13.375	54.50	78,987	104.44	12.96	
17	11	41.99	717.61	281.39	13.375	54.50	80,975	110.94	13.76	
18	10	41.97	759.58	239.42	13.375	54.50	82,962	117.42	14.57	
19	9	41.98	801.56	197.44	13.375	54.50	84,949	123.91	15.37	
20	8	41.98	843.54	155.46	13.375	54.50	86,937	130.40	16.18	Cmt - Basket
21	7	41.98	885.52	113.48	13.375	54.50	88,924	136.89	16.98	
22	6	41.94	927.46	71.54	13.375	54.50	90,910	143.38	17.79	
23	5	41.73	969.19	29.81	13.375	54.50	92,885	149.83	18.59	
24	4	41.98		29.81						out
25	3	41.93		29.81						out
26	2	41.96		29.81						out
27	1	41.98		29.81						out
Mandrel		1.00	970.19	28.81	13.375	54.50	92,933	149.98	18.61	
LJ		33.00	1,003.19	(4.19)	13.375	54.50	94,495	155.08	19.24	

**Caza Petroleum, Inc.**  
**Comanche 25-36 Fed State 1H**  
**Rig: Citadel 4**



**Surface**  
**T-27359**  
**County: Lea**

### Cementing Job Log

Date	Time	Description	Rate (BPM)	Volume (BBL)	Pressure (PSI)	Details of Operation and Procedure
01/13/2021	23:00	Called Out				Called out for a 500 am hardtime.
01/14/2021	00:01	Other				Rolled over from previous job.
01/14/2021	00:15	Conduct Meetings				Jsa- Discuss Hazards for departure.
01/14/2021	00:30	Depart For Job				Left pecos tx
01/14/2021	04:45	Arrived on Location				Arrived on location, rig running casing, Got numbers from customer. customer approved dye.
01/14/2021	05:00	Conduct Meetings				Jsa- Discuss hazards for rigging up.
01/14/2021	05:15	Rig Equipment				Rig up.
01/14/2021	05:45	Complete				Rig up complete.
01/14/2021	06:45	Casing On Bottom	4		100	Casing on bottom, rig used mud pumps to circulate well 100% returns.
01/14/2021	07:00	Conduct Meetings				Jsa- Discuss hazards for stabbing head, discuss hazards for job.
01/14/2021	07:15	Install Cement Head				Install 13 3/8 head with Btc nubbin.
01/14/2021	08:16	Fill Lines		3		Fill lines.
01/14/2021	08:25	Pressure Test			2184	Pressure test lines.
01/14/2021	08:27	Start Spacer	2.5		60	Start dyed spacer h20.
01/14/2021	08:37	Spacer Complete	2.5	30	60	Spacer complete.
01/14/2021	08:38	Start Cement	2.5		60	Start lead cement 12.8 ppg mud scale verified.
01/14/2021	09:01	Cement Complete	6	151	510	Lead cement complete.
01/14/2021	09:02	Start Cement	6		510	Start Tail cement 14.8 ppg mud scale verified.
01/14/2021	09:18	Cement Complete	4	75	310	Tail cement complete.
01/14/2021	09:19	Shut Down				Shut down, released third party 13 3/8 top plug.
01/14/2021	09:21	Start Displacement	5		139	Start H20 displacement. cement to surface @ 50 bbls gone 97 bbls to surface, 330 sacks to surface.
01/14/2021	09:43	Decrease Rate	3	120	320	Decrease rate to land plug.
01/14/2021	09:47	Bump Plug	3	147	950	Bumped plug calculated displacement.
01/14/2021	09:52	Check Floats				Checked floats they held 1/2 bbl back.
01/14/2021	10:00	Conduct Meetings				Jsa-Discussed hazards for rigging down.
01/14/2021	10:15	Rig Equipment				Rig down.
01/14/2021	11:00	Job Complete				Job completed.

Cement Heights and Tops		
Slurry Type	Cement Height	Cement Top
Spacer		
Lead CMT		0
Tail CMT		700

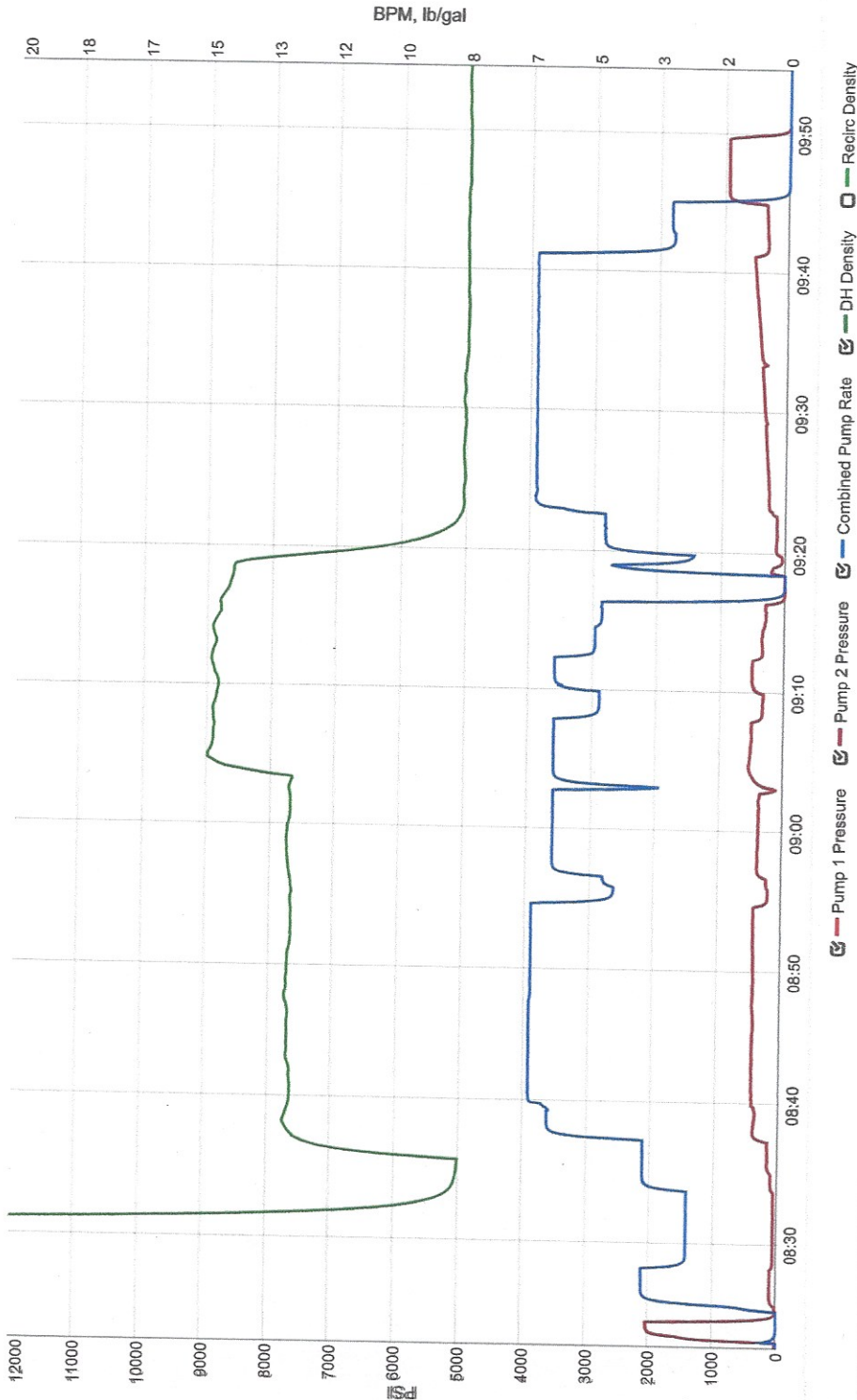
Spacer					
	PPG	YLD			H2O
Lead CMT					
12.8	PPG	1.65	YLD	8.2	H2O
			515	Sacks	35/65 Poz C
			3	bwow	Sodium

Crew Members			
	Moses Nhachi		
Field Supervisor	Thomas Dundas		
Field Supervisor	Justin Stinson		
	Freddie Rodriguez		
Bulk Hand	Daniel Juarez-Silva		
Casing Information			
	Previous Casing	Hole & Casing Info	
Hole Size 1		17.5	
MD:		1000	
TVD:		1000	
Casing Size	20.000	13.375	
Casing Grade		j-55	
Casing Length	120	999	
Casing Weight	94.00	54.50	
Casing ID		12.615	
DV Tool			
Shoe Joint		45	
Burst Pressure	2184		
Cement Returns	97		
Mud Info		Water Info	
Type	WBM	PH	7
Weight	9	Chlrd	968
		Temp	48

					Chloride (Salt)
			6	%	Bentonite Gel
			0.4	%	CPT-503P
Tail CMT					
14.8	PPG	1.33	YLD	6.32	H2O
			315	Sacks	Class C Cement

Crest Pumping Technologies

Caza  
Comanche 25-36 Fed 1



### Events

Date	Flag	Total	Description

**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**

CONDITIONS

Action 15483

**CONDITIONS OF APPROVAL**

Operator: CAZA OPERATING, LLC Suite 1550	200 N Loraine St Midland, TX79701	OGRID: 249099	Action Number: 15483	Action Type: C-103N
OCD Reviewer plmartinez		Condition None		