

Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report

Type of Action: Drilling Operations

Date Sundry Submitted: 01/14/2021

Time Sundry Submitted: 05:45

Date Operation Actually Began: 01/09/2021

Actual Procedure: Drilled 17.5" hole to 1,008'MD. Ran 23 joints of 13.375" 54.5# J55 BTC casing to 1,000'MD. Cement casing with 515sx Lead 12.8ppg Class C 35/65 POZ + 3% CaCl2 + 6% Gel + 0.4% CPT-503P cement. 315sx Tail 14.8ppg Class C neat cement. 87bbls (296sx) cement to surface. Installed wellhead. Skid rig to next well.

SR Attachments

PActual Procedure

Comanche_25_36_State_Fed_Com_3H__Surface_Casing_Tally_Final_as_ran_20210114054438.pdf

Comanche_3H_Cement_Reports_Surface_20210114054429.pdf

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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 14, 2021 05:43 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: ZOTA M STEVENS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345998

BLM POC Email Address: ZSTEVENS@BLM.GOV

Disposition: Accepted

Disposition Date: 01/15/2021

Signature: Zota Stevens

Rig: Citadel #2
 Well: Comanche 25-36 State Fed Com 3H
 County: Lea
 Prospect: 3rd Bone Spring
 Date: 1/5/2021



	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)	1,008.00 (From KB)
Shoe Depth (ft)	1,000.00
Top of FC (ft)	953.87

XO Info:

OD	
ID	
Length	
Top Depth	

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

Btm Csg Length	965.20*
Top Csg Length	*

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

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

Required Stick Up (ft)	4.86*
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Total Jts on Loc.	30
Total Jts ran in hole	23
Total Jts remain out	7
Marker Jts on Loc.	0
Marker Jts ran in hole	0
Marker Jts remain out	0
Damaged Jts on Loc.	0

**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	997.70	13.375	54.50	47,109	0.36	0.04	
1	30	41.98	44.28	955.72	13.375	54.50	49,096	6.85	0.85	Centrilizer / Mid jt
Float		1.85	46.13	953.87	13.375	54.50	49,184	7.13	0.88	
2	29	41.95	88.08	911.92	13.375	54.50	51,170	13.62	1.69	Centrilizer / Mid jt
3	28	41.93	130.01	869.99	13.375	54.50	53,155	20.10	2.49	Centrilizer / Mid jt
4	27	41.97	171.98	828.02	13.375	54.50	55,142	26.59	3.30	
5	26	41.93	213.91	786.09	13.375	54.50	57,127	33.07	4.10	
6	25	41.95	255.86	744.14	13.375	54.50	59,113	39.55	4.91	
7	24	41.94	297.80	702.20	13.375	54.50	61,099	46.04	5.71	
8	23	41.98	339.78	660.22	13.375	54.50	63,087	52.53	6.52	
9	22	41.97	381.75	618.25	13.375	54.50	65,074	59.01	7.32	
10	21	41.99	423.74	576.26	13.375	54.50	67,062	65.51	8.13	
11	20	41.97	465.71	534.29	13.375	54.50	69,049	71.99	8.93	
12	19	41.95	507.66	492.34	13.375	54.50	71,035	78.48	9.74	
13	18	41.98	549.64	450.36	13.375	54.50	73,022	84.97	10.54	
14	17	41.95	591.59	408.41	13.375	54.50	75,008	91.45	11.35	
15	16	41.96	633.55	366.45	13.375	54.50	76,995	97.94	12.15	
16	15	41.98	675.53	324.47	13.375	54.50	78,982	104.43	12.96	
17	14	41.96	717.49	282.51	13.375	54.50	80,969	110.92	13.76	
18	13	41.98	759.47	240.53	13.375	54.50	82,956	117.41	14.57	
19	12	41.97	801.44	198.56	13.375	54.50	84,943	123.89	15.37	
20	11	41.99	843.43	156.57	13.375	54.50	86,931	130.39	16.18	
21	10	41.99	885.42	114.58	13.375	54.50	88,919	136.88	16.98	
22	9	41.94	927.36	72.64	13.375	54.50	90,905	143.36	17.79	
23	8	41.99	969.35	30.65	13.375	54.50	92,893	149.85	18.59	
24	7	41.96		30.65						out
25	6	41.98		30.65						out
26	5	41.97		30.65						out
27	4	41.96		30.65						out
28	3	41.94		30.65						out
29	2	41.96		30.65						out
30	1	41.98		30.65						out
Mandrel		1.00	970.35	29.65	13.375	54.50	92,940	150.01	18.61	
LJ		33.00	1,003.35	(3.35)	13.375	54.50	94,503	155.11	19.24	

Caza Petroleum, Inc.
Comanche 25-36 Fed State 3H
Rig: Citadel 4



Surface
T-27337
County: Lea
Supervisor: Thomas Dundas

Cementing Job Log

Date	Time	Description	Rate (BPM)	Volume (BBL)	Pressure (PSI)	Details of Operation and Procedure
01/09/2021	19:00	Called Out				crew dispatched to comanche lease on standby due to upcoming weather conditions
01/09/2021	22:00	Arrived on Location				convoy arrives outside of location on standby
01/10/2021	00:09	Other	8	60	520	cement to surface
01/10/2021	00:16	Decrease Rate	3	120	306	slow rate to land plug
01/10/2021	04:30	Called Out				customer requests cement crew
01/10/2021	05:30	Arrived on Location				convoy arrives to location
01/10/2021	05:31	Rigs Progress at Arrival				rigging in casing crew
01/10/2021	05:35	Conduct Meetings				conduct jsa for spotting in and rigging up equipment
01/10/2021	05:35	Rig Equipment				crew begins rigging up iron and lines
01/10/2021	09:36	Casing On Bottom				casing td reached
01/10/2021	10:07	Rig Circulate Hole	10	300	153	rig circulates fw using crt
01/10/2021	10:25	Conduct Meetings				conduct jsa for cement job and safety
01/10/2021	10:29	Install Cement Head				install cement head, crossover and floor iron
01/10/2021	10:45	Shut Down				shut down to drop plug
01/10/2021	10:55	Fill Lines		3		fill lines for pressure test
01/10/2021	11:00	Pressure Test			2490	pressure test to 80% of casing burst factor
01/10/2021	11:02	Start Spacer	3		104	start fresh water spacer w/dye
01/10/2021	11:11	Spacer Complete		30		fw spacer complete
01/10/2021	11:12	Start Cement	4.2		250	start lead slurry of 151 bbls at 12.8 ppg verified by scale
01/10/2021	11:38	Cement Complete	4.5	151	294	lead slurry complete
01/10/2021	11:39	Start Cement	5.5		619	start tail slurry of 75 bbls at 14.8 ppg verified by scale
01/10/2021	11:55	Cement Complete	5.5	75	605	tail slurry complete
01/10/2021	11:57	Release Plug				drop customers pre loaded 13.375 plug
01/10/2021	11:58	Start Displacement	5		264	start calculated displacement of 147 bbls fw
01/10/2021	12:25	Bump Plug	3	147	1027	plug landed, final circulating pressure of 380psi
01/10/2021	12:30	Check Floats		0.5		release pressure, floats hold
01/10/2021	12:31	Job Complete				13.375 casing cement job complete, no issues
01/10/2021	12:35	Conduct Meetings				conduct jsa for rigging down
01/10/2021	12:40	Rig Equipment				rig down location
01/10/2021	13:30	Conduct Meetings				conduct journey management before convoy departs
01/10/2021	14:00	Other				convoy departs comanche lease

Cement Heights and Tops			
Slurry Type	Cement Height	Cement Top	
Spacer			
Lead CMT		0	
Tail CMT		700	
Crew Members			
Field Supervisor	Thomas Dundas		
Field Supervisor	Justin Stinson		
	Freddie Rodriguez		
Bulk Hand	Garrett Houston		
	JOHN TROUT		
Casing Information			
	Previous Casing	Hole & Casing Info	
Hole Size 1		17.5	
MD:		1008	
TVD:		1008	
Casing Size	20.000	13.375	
Casing Grade		j55	
Casing Length	120	1003	
Casing Weight	94.00	54.50	
Casing ID		12.615	
DV Tool			
Shoe Joint		49	
Burst Pressure	2184		
Cement Returns	87		
Mud Info		Water Info	
Type	WBM	PH	7
Weight	9	Chlrd	275
		Temp	53

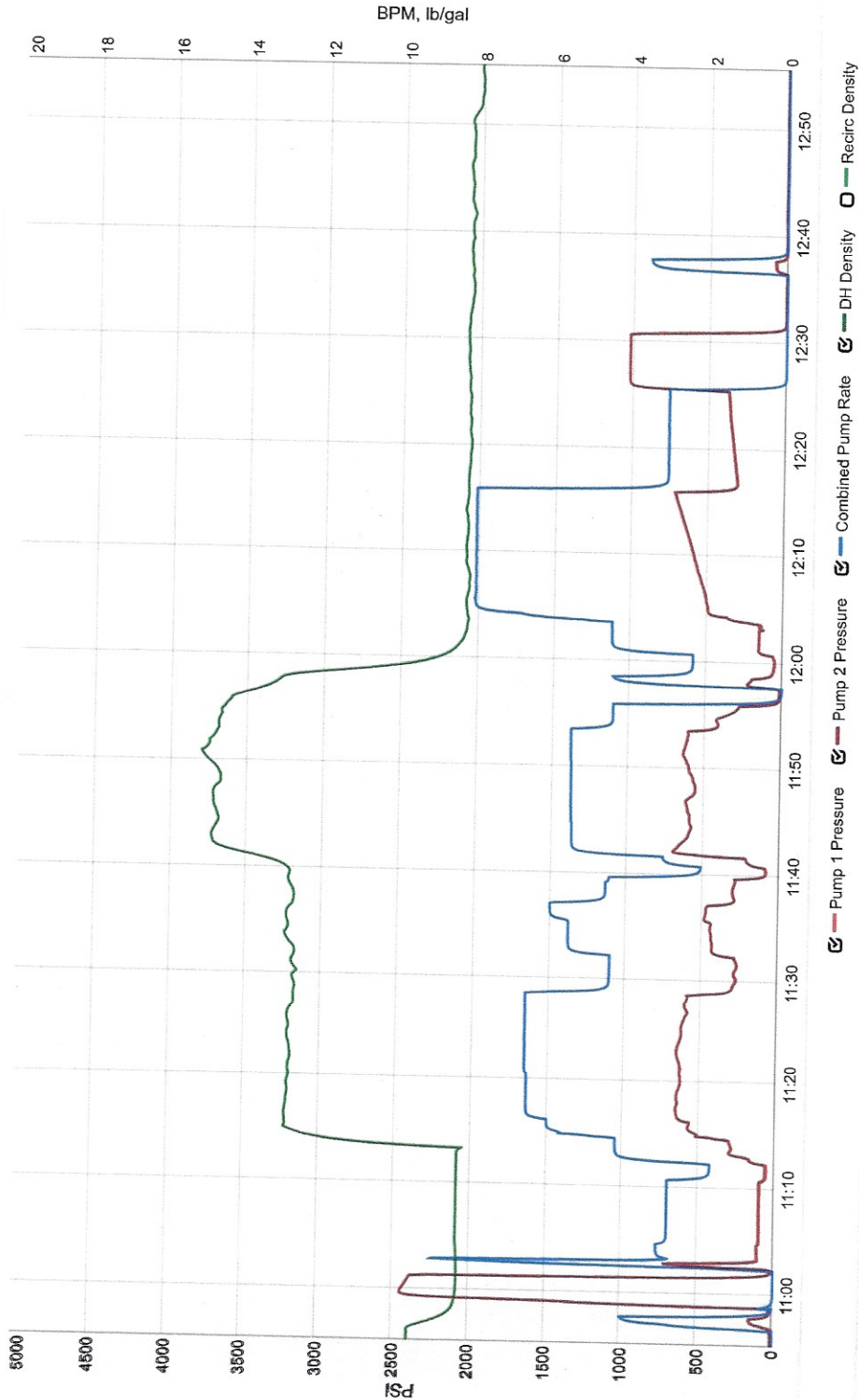
Spacer					
	PPG		YLD		H2O
Lead CMT					
12.8	PPG	1.65	YLD	8.2	H2O
			515	Sacks	35/65 Poz C
			3	bwow	Sodium Chloride (Salt)
			6	%	Bentonite Gel
			0.4	%	CPT-503P
Tail CMT					
14.8	PPG	1.33	YLD	6.32	H2O
			315	Sacks	Class C Cement

1/10/2021

Crest Pumping Technologies

Caza Petroleum

Comanche 25-36 3H



Events

Date	Flag	Total	Description
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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

COMMENTS

Action 14853

COMMENTS

Operator: CAZA OPERATING, LLC Suite 1550	200 N Loraine St Midland, TX79701	OGRID: 249099	Action Number: 14853	Action Type: C-103N
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Created By	Comment	Comment Date
pkautz	ok KZ	01/22/2021

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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 14853

CONDITIONS OF APPROVAL

Operator: CAZA OPERATING, LLC Suite 1550	200 N Loraine St Midland, TX79701	OGRID: 249099	Action Number: 14853	Action Type: C-103N
OCD Reviewer plmartinez		Condition None		