

Well Name: Comanche 25-36 Fed State Com	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0204996 / -103.3172024	County or Parish/State: LEA / NM
Well Number: 2Y	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254836800X1	Well Status: Drilling Well	Operator: CAZA OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 01/16/2021	Time Sundry Submitted: 05:32
Date Operation Actually Began: 01/16/2021	

Actual Procedure: 01/16/2021 Drilled 17.5" hole to 1,000'MD. Ran 23 joints 13.375" 54.5# J55 BTC casing to 992'MD. Cement 515sx Lead 12.8ppg 35/65 POZ Class C + 3% CaCl2 + 6% Gel +0.4% CPT-503P. 315 sx Tail 14.8ppg Class C neat cement. Circulate 96bbbls (326sx) to surface.

SR Attachments

PActual Procedure

Comanche_25_36_State_Fed_Com_2Y___Surface_Cement_Report___BLM_20210116053223.pdf

Comanche_25_36_State_Fed_Com_2Y___Surface_Casing_As_run_20210116053207.pdf

Received by OCD: 1/25/2021 6:58:33 AM

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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 16, 2021 05:32 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 2Y
County: Lea
Prospect: 3rd Bone Spring
Date: 1/15/2021



	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)	8.9	
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	

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	

T.D. (ft)	1,000.00 (From KB)
Shoe Depth (ft)	992.00
Top of FC (ft)	945.88

XO Info:	
OD	
ID	
Length	
Top Depth	

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

Btm Csg Length	958.26 *
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)	4.41 *
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(* = Auto Calc.) **type "out" in comments to remove jt from calculations

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	989.70	13.375	54.50	47,109	0.36	0.04	
1	30	41.97	44.27	947.73	13.375	54.50	49,096	6.84	0.85	Centrilizer / Mid jt
Float		1.85	46.12	945.88	13.375	54.50	49,184	7.13	0.88	
2	29	41.93	88.05	903.95	13.375	54.50	51,169	13.61	1.69	Centrilizer / Mid jt
3	28	41.98	130.03	861.97	13.375	54.50	53,156	20.10	2.49	Centrilizer / Mid jt
4	27	41.98	172.01	819.99	13.375	54.50	55,144	26.59	3.30	
5	26	41.49	213.50	778.50	13.375	54.50	57,108	33.00	4.09	
6	25	41.44	254.94	737.06	13.375	54.50	59,070	39.41	4.89	
7	24	40.73	295.67	696.33	13.375	54.50	60,998	45.71	5.67	
8	23	41.43	337.10	654.90	13.375	54.50	62,960	52.11	6.47	
9	22	41.97	379.07	612.93	13.375	54.50	64,947	58.60	7.27	
10	21	41.43	420.50	571.50	13.375	54.50	66,908	65.01	8.07	
11	20	41.96	462.46	529.54	13.375	54.50	68,895	71.49	8.87	
12	19	41.46	503.92	488.08	13.375	54.50	70,858	77.90	9.67	
13	18	41.98	545.90	446.10	13.375	54.50	72,845	84.39	10.47	
14	17	41.99	587.89	404.11	13.375	54.50	74,833	90.88	11.28	
15	16	41.94	629.83	362.17	13.375	54.50	76,819	97.37	12.08	
16	15	41.98	671.81	320.19	13.375	54.50	78,806	103.86	12.89	
17	14	41.97	713.78	278.22	13.375	54.50	80,793	110.34	13.69	
18	13	41.45	755.23	236.77	13.375	54.50	82,756	116.75	14.49	
19	12	41.43	796.66	195.34	13.375	54.50	84,717	123.16	15.28	
20	11	41.44	838.10	153.90	13.375	54.50	86,679	129.56	16.07	
21	10	41.43	879.53	112.47	13.375	54.50	88,641	135.97	16.87	Cement Basket
22	9	41.44	920.97	71.03	13.375	54.50	90,603	142.37	17.66	
23	8	41.44	962.41	29.59	13.375	54.50	92,564	148.78	18.46	
24	7	41.44		29.59						out
25	6	41.44		29.59						out
26	5	41.08		29.59						out
27	4	36.88		29.59						out
28	3	41.07		29.59						out
29	2	37.40		29.59						out
30	1	41.44		29.59						out
Mandrel		1.00	963.41	28.59	13.375	54.50	92,612	148.93	18.48	
LJ		33.00	996.41	(4.41)	13.375	54.50	94,174	154.04	19.11	

Caza Petroleum, Inc.
Comanche 25-36 Fed State 2Y
Rig: Citadel 4



Surface
T-27449
County: Lea

Cementing Job Log

Date	Time	Description	Rate (BPM)	Volume (BBL)	Pressure (PSI)	Details of Operation and Procedure
01/15/2021	15:00	Called Out				Called out by Dennis M. Caza Citadel 4 Surface Hardtime 21:00hrs.
01/15/2021	15:45	Load Up For Job				Checked paperwork and equipment.
01/15/2021	17:00	Conduct Meetings				Conducted journey management meeting with crew.
01/15/2021	17:30	Depart For Job				Depart with crew to location.
01/15/2021	19:45	Arrived on Location				Arrived on location with crew.
01/15/2021	20:00	Rigs Progress at Arrival				Rig running casing.
01/15/2021	20:15	Discuss Job With Customer				TD 1000ft, TP 996.41ft, SJ 46.12ft, Casing size 13 3/8 54.5# J-55, Previous casing 20 inch conductor 94# @120ft, Open hole 17.5, Displace fluid 8.33, Mud weight 8.5 fresh water.
01/15/2021	20:30	Conduct Meetings				Conducted spotting equipment and rig up safety meeting with crew.
01/15/2021	23:50	Casing On Bottom				Rig on bottom.
01/16/2021	00:20	Rig Circulate Hole	6		65	Rig circulated one and half bottoms up.
01/16/2021	00:30	Conduct Meetings				Conducted stabbing cement head and cement job execution safety meeting with Caza, Citadel and Nine energy.
01/16/2021	01:15	Fill Lines	3	5	75	Fill lines with fresh water.
01/16/2021	01:17	Pressure Test			3480	Good test.
01/16/2021	01:21	Start Spacer	3	5	75	Fresh water spacer.
01/16/2021	01:29	Spacer Complete	4	30	155	Fresh water spacer complete.
01/16/2021	01:30	Start Cement	6	5	250	Lead cement 12.8# 515 sacks 35/65 Poz-PM-Class C Thickening time 2:54hrs.
01/16/2021	01:57	Cement Complete	5	151	480	Lead cement complete.
01/16/2021	01:58	Start Cement	4	5	310	Tail cement 14.8# 315 sacks Class C Thickening time 4:16hrs.
01/16/2021	02:19	Cement Complete	3	75	215	Tail cement complete.
01/16/2021	02:20	Release Plug				Release 3rd party plug.
01/16/2021	02:20	Shut Down				Done with cement.
01/16/2021	02:21	Start Displacement	6	5	345	Fresh water displacement.
01/16/2021	02:27	Caught Cement	6	30	375	Caught pressure.
01/16/2021	02:30	Other	6	50	370	Cement to surface, 96bbls 326 sacks.
01/16/2021	02:42	Decrease Rate	3	120	320	Slow rate to bump plug.
01/16/2021	02:51	Bump Plug	3	146	922	Bump plug from 389psi to 922psi.
01/16/2021	02:52	Other				Verified cement weight with Nine's scales.
01/16/2021	02:52	Other				Good returns.
01/16/2021	02:58	Check Floats				Floats held, 1bbls back.
01/16/2021	03:05	Conduct Meetings				Conducted rig down safety meeting with crew.
01/16/2021	03:45	Complete				Rig down complete.

01/16/2021	03:50	Conduct Meetings				Conducted journey management meeting with crew.
01/16/2021	04:00	Job Complete				Crew off location.

Cement Heights and Tops			
Slurry Type	Cement Height	Cement Top	
Spacer			
Lead CMT	397	0	
Tail CMT	603	700	
Crew Members			
Bulk Hand	Moses Nhachi		
Field Supervisor	Enrique Vallejo		
Operator	Dusty Farr		
Bulk Hand	Fernando Bernal		
Casing Information			
	Previous Casing	Hole & Casing Info	
Hole Size 1		17.5	
MD:		1000	
TVD:		1000	
Casing Size	20.000	13.375	
Casing Grade		J55	
Casing Length	120	996.41	
Casing Weight	94.00	54.50	
Casing ID		12.615	
DV Tool			
Shoe Joint		45	
Burst Pressure			
Cement Returns	96		
Mud Info		Water Info	
Type	WBM	PH	
Weight	9	Chlrd	
		Temp	

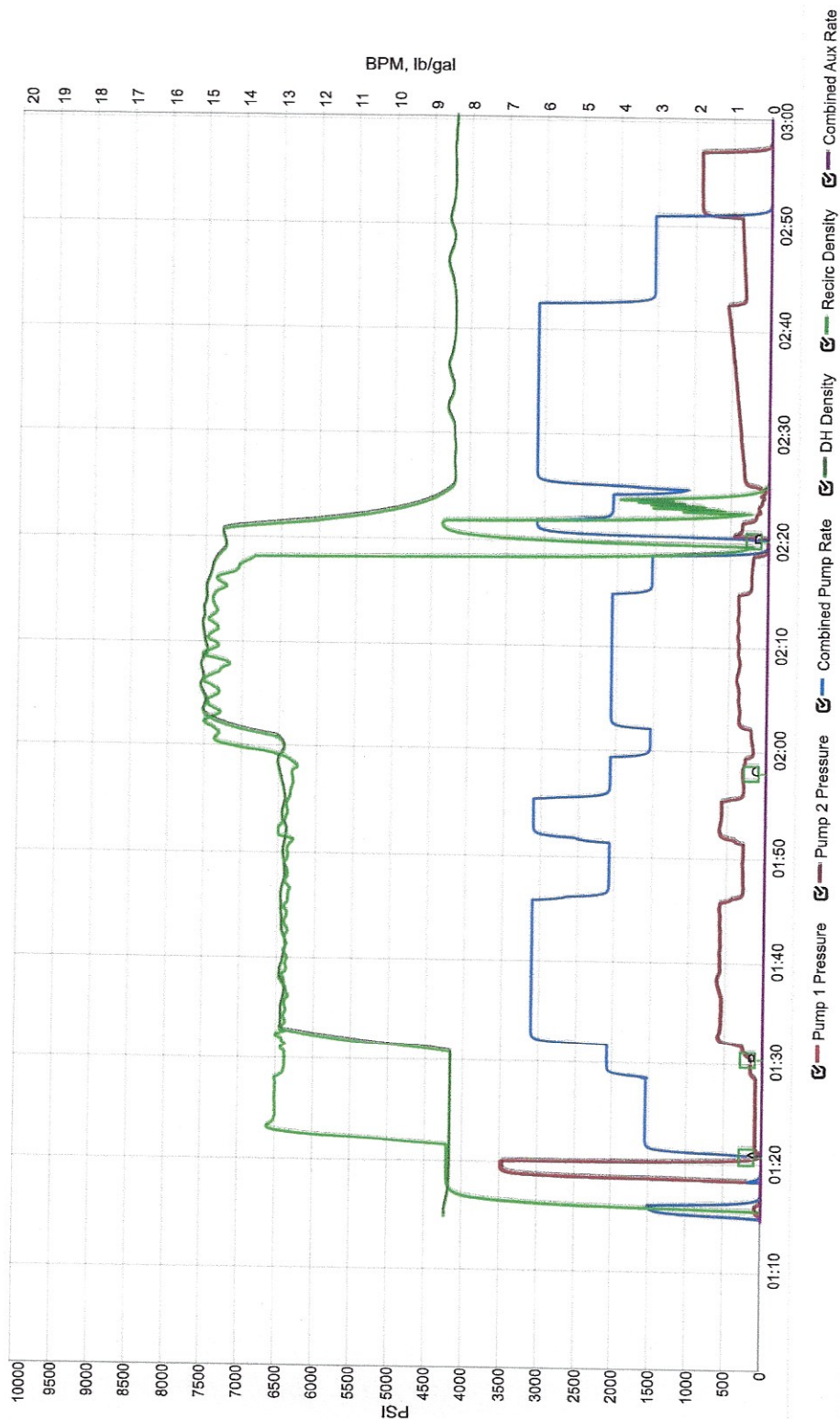
Spacer					
	PPG		YLD		H2O
Lead CMT					
12.8	PPG	1.65	YLD	8.2	H2O
			515	Sacks	35/65 Poz C
			3	bwow	Sodium Chloride (Salt)
			6	%	Bentonite Gel
			0.4	%	CPT-503P
Tail CMT					
14.8	PPG	1.33	YLD	6.32	H2O
			315	Sacks	Class C Cement

Crest Pumping Technologies

CAZA

COMANCHE 25-36

T27449



Events

Date	Flag	Total	Pump 1 Pressure	Pump 2 Pressure	Pump Combined Rate	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

CONDITIONS

Action 15485

CONDITIONS OF APPROVAL

Operator: CAZA OPERATING, LLC Suite 1550 Midland, TX79701	200 N Loraine St	OGRID: 249099	Action Number: 15485	Action Type: C-103N
OCD Reviewer plmartinez	Condition None			