

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Sundry Print Report

Well Name: COMANCHE 25-36 FED

STATE COM

Well Number: 4H

Well Location: T26S / R35E / SEC 25 /

NWNE / 32.0205001 / -103.3172833

Type of Well: OIL WELL

County or Parish/State: LEA /

М

Allottee or Tribe Name:

Lease Number: NMNM125402

**Unit or CA Name:** 

**Unit or CA Number:** 

**US Well Number:** 300254745100X1

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: 05:22

**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\_3H\_Cement\_Reports\_Surface\_20210114052209.pdf

 $Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Surface\_Casing\_Tally\_Final\_as\_ran\_20210114052153.pdf$ 

veived by OCD: 1/16/2021 5:46:49 AM Well Name: COMANCHE 25-36 FED Well Location: T26S / R35E / SEC 25 / County or Parish/State: LE

STATE COM NWNE / 32.0205001 / -103.3172833

Well Number: 4H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM125402 Unit or CA Name: Unit or CA Number:

US Well Number: 300254745100X1 Well Status: Approved Application for Operator: CAZA OPERATING

Permit to Drill 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 14, 2021 05:22 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: zstevens@gmail.com

Page 2 of 2

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



Surface T-27321 County: Lea Supervisor:

			Cen	nentin	ig Job	Log
Date	Time	Description	Rate (BPM)	Volume (BBL)	Pressure (PSI)	Details of Operation and Procedure
01/07/2021	11:00	Called Out		***************************************		crew called in for surface casing cement job for caza
01/07/2021	12:30	Load Up For Job		**************************************		load up and verify equipment and materials needed for the job
01/07/2021	13:10	Conduct Meetings				conduct journey management and pre trip rituals
01/07/2021	13:30	Depart For Job				team departs hobbs yard for comanche lease
01/07/2021	15:00	Arrived on Location				crew arrives to location
01/07/2021	15:05	Rigs Progress at Arrival				rigging in casing crew
01/07/2021	15:10	Conduct Meetings				conduct jsa for spotting in equipment and rigging up
01/07/2021	15:30	Rig Equipment		******		rig in iron and lines for cement job
01/07/2021	18:30	Discuss Job With Customer		**		discuss cement job particulars, get numbers
01/07/2021	21:07	Casing On Bottom				casing td reached
01/07/2021	21:35	Rig Circulate Hole	9.5	220	189	rig circulates through crt
01/07/2021	22:30	Install Cement Head				stab cement plug container and crossover as well as rig floor iron
01/07/2021	22:37	Conduct Meetings				conduct jsa for surface casing cement job, discuss pump schedule hazards and contingency plans
01/07/2021	22:51	Fill Lines		3		fill lines with fw for pressure test
01/07/2021	22:53	Pressure Test			2520	pressure test to 80% of casing burst factor
01/07/2021	22:57	Start Spacer	2		57	start fw spacer of 30 bbls w/dye
01/07/2021	23:10	Spacer Complete	2	30	70	fw spacer complete
01/07/2021	23:12	Start Cement	5		400	start lead slurry of 151 bbls at 12.8 ppg verified by scales
01/07/2021	23:43	Cement Complete	2	151	125	lead slurry complete
01/07/2021	23:44	Start Cement	5		430	start tail slurry of 75 bbls at 14.8 ppg verified by scales
01/07/2021	23:59	Cement Complete	2	75	106	tail slurry complete
01/08/2021	00:00	Shut Down				shut down pumps
01/08/2021	00:02	Decrease Rate	3	125	380	slow rate to land plug
01/08/2021	00:02	Release Plug				release pre loaded 13.375 non rotating plug
01/08/2021	00:04	Start Displacement	7		430	start calculated displacement of 152 bbls fw
01/08/2021	00:12	Other	7	60	460	cement to surface
01/08/2021	00:28	Bump Plug	2	152	900	plug landed with final circulating pressure of 380
01/08/2021	00:33	Check Floats		0.5		check floats, pressure was dropping quickly 5 psi per second,
01/08/2021	00:42	Pressure Test	1	0.2	1700	close 2" valves at back of pump and pressure up to test pump, pressure started dropping quickly until air was worked out then continued to drop about .5-1 psi per second
01/08/2021	00:52	Release Pressure				release pressure through pump, then open back up to well
01/08/2021	00:55	Pressure Up	0.8	0.3	1200	pressure up on well to 1200 psi and close in valves on cement

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		L	1	 head
01/08/2021	01:07	Check Floats	0.5	check floats and release pressure through pump, line pressure between cement head and pump pressure was holding and only dropping by .2 psi a second . when well was opened up, well pressure was at 787 at the point we released it through the pump
01/08/2021	01:10	Conduct Meetings		conduct jsa for rigging down pumps and lines
01/08/2021	01:10	Job Complete		13.375 casing cement job complete, casing was leaking near mandrill in cellar
01/08/2021	01:20	Rig Equipment		rig down pumps and lines
01/08/2021	02:45	Conduct Meetings		conduct journey management for pre departure of convoy
01/08/2021	03:00	Other		convoy departs comanche lease with no intended stops

	Cement Heig	nts and Tops		
Slurry Type	Cement	Height	Cement Top	
Spacer				
Lead CMT		(	0	
Tail CMT			700	
	Crew M	embers		
	Casing In	formation		
	Previou	s Casing	Hole & Casing Info	
Hole Size 1			17.5	
MD:			1030	
TVD:			1030	
Casing Size	20.	000	13.375	
Casing Grade			j55	
Casing Length	1	20	1030	
Casing Weight	94	.00	54.50	
Casing ID			12.615	
DV Tool				
Shoe Joint			45	
Burst Pressure		21	84	
Cement Returns		9	2	
Mud In	nfo		Water Info	
Туре	WBM	PH	7	
Weight	9	Chlrd	275	
		Temp	55	

		Spa	acer		
	PPG		YLD		H20
		Lead	CMT		
12.8	PPG	1.65	YLD	8.2	H20
			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	H20
			315	Sacks	Class C Cement

Crest Pumping Technologies

Caza Petroleum

T27321

Events

Date

Description

Total

Flag

192,168,101.80/#/

1/8/2021 Released to Imaging: 2/3/2021 5:21:44 PM Citadel #2

Rig: Well: Comanche 25-36 State Fed Com

County Lea

3rd Bone Spring Prospect:

Date: 1/5/2021

Casing Size (in)	
Connection Type	
Weight (lb/ft)	
Grade	
Casing I.D. (in)	
Casing Drift (in)	
Capacity (bbl/ft)	
Disp. (bbl/ft)	
Mud Wt. (ppg)	
Bouyancy Factor	
Block Weight (lbs)	
Burst Strength (psi)	
Collapse Strength (psi)	
Tension Strength (lb)	
Min torque (ft-lbs)	
Optimum torque (ft-lbs)	
Max torque (ft-lbs)	
Confirmed drift OD (in)	

Total Jts on Loc.
Total Jts ran in hole
Total Jts remain out
Marker Jts on Loc.
Marker Jts ran in hole
Marker Jts remain out
Damaged Jts on Loc.

<b>Bottom Csg</b>	Top Csg
13 3/8	
BTC	
54.5	54.5
J-55	
12.615	
12.459	
0.1546	0.1546
0.0192	0.0192
8.90	
0.869	0.869
47000.000	
2,730	
1,130	
514,000	
3,860	
5,145	
6,430	
12.46	
-	

29	
0	
0	
0	
0	



T.D. (ft)	1,030.00 (From KB)
Shoe Depth (ft)	1,025.00
Top of FC (ft)	975.74
	<u></u>

XO Info:	
OD	
ID	
Length	
Top Depth	

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

Btm Csg Length	991.21 *
Top Csg Length	*

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

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

Required Stick Up (ft) 4.36

( * = Aute	o Calc.)									
	Run	JOINT	CUM.	DEPTH	O.D. *	Wt.	Wt.	CAP.	DISPL.	COMMENTS:
Joint	In	LENGTH	LENGTH	FROM KB TO	*	(11. /64)	Ind.	(DDI)	(DDI)	
#	Hole #	(ft)	(ft) *	TOP OF JT		(lb/ft) *	READING	(BBl) *	(BBl) *	
01	#	2.20		(ft)*	40.075		(lbs) *			
Shoe		2.30	2.30	1,022.70	13.375	54.50	47,109	0.36	0.04	O and alliance / Ball I like
1	29	45.11	47.41	977.59	13.375	54.50	49,245	7.33		Centrilizer / Mid jt
Float		1.85	49.26	975.74	13.375	54.50	49,332	7.62	0.94	0
2	28	45.10	94.36	930.64	13.375	54.50	51,467	14.59		Centrilizer / Mid jt
3	27	45.10	139.46	885.54	13.375	54.50	53,603	21.56		Centrilizer / Mid jt
4	26	45.10	184.56	840.44	13.375	54.50	55,738	28.53	3.54	
5	25	45.09	229.65	795.35	13.375	54.50	57,873	35.50	4.40	
6	24	45.11	274.76	750.24	13.375	54.50	60,008	42.48	5.27	
7	23	45.11	319.87	705.13	13.375	54.50	62,144	49.45	6.14	
8	22	45.09	364.96	660.04	13.375	54.50	64,279	56.42	7.00	
9	21	41.96	406.92	618.08	13.375	54.50	66,265	62.91	7.80	
10	20	45.11	452.03	572.97	13.375	54.50	68,401	69.88	8.67	
11	19	41.93	493.96	531.04	13.375	54.50	70,386	76.36	9.47	
12	18	41.54	535.50	489.50	13.375	54.50	72,353	82.78	10.27	
13	17	41.41	576.91	448.09	13.375	54.50	74,313	89.18	11.07	
14	16	41.40	618.31	406.69	13.375	54.50	76,273	95.58	11.86	
15	15	41.94	660.25	364.75	13.375	54.50	78,259	102.07	12.66	
16	14	41.43	701.68	323.32	13.375	54.50	80,220	108.47	13.46	
17	13	45.10	746.78	278.22	13.375	54.50	82,356	115.44	14.32	
18	12	41.42	788.20	236.80	13.375	54.50	84,317	121.85	15.12	
19	11	41.44	829.64	195.36	13.375	54.50	86,279	128.25	15.91	
20	10	41.42	871.06	153.94	13.375	54.50	88,240	134.66		Cmt - Basket
21	9	41.44	912.50	112.50	13.375	54.50	90,202	141.06	17.50	
22	8	41.44	953.94	71.06	13.375	54.50	92,163	147.47	18.30	
23	7	41.42	995.36	29.64	13.375	54.50	94,124	153.87	19.09	
24	6	41.42		29.64						out
25	5	41.48		29.64						out
26	4	41.42		29.64						out
27	3	41.42		29.64						out
28	2	40.70		29.64						out
29	1	41.44		29.64						out
Mandrel		1.00	996.36	28.64	13.375	54.50	94,172	154.03	19.11	
LJ		33.00	1,029.36	(4.36)	13.375	54.50	95,734	159.13	19.74	

<sup>\*\*</sup>type "out" in comments to remove jt from calculations

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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

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 14851

#### **COMMENTS**

Operator:			OGRID:	Action Number:	Action Type:
CAZA OPE	ERATING, LLC	200 N Loraine St	249099	14851	C-103N
Suite 1550	Midland, TX79701				

Created By	Comment	Comment Date
pkautz	OK KZ	01/22/2021

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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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 14851

#### **CONDITIONS OF APPROVAL**

Operator:		OGRID:	Action Number:	Action Type:
CAZA OPERATING	LLC 200 N Loraine St	249099	14851	C-103N
Suite 1550 Midland	, TX79701			

OCD Reviewer	Condition
plmartinez	None