

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

<b>Well Name:</b> IGLOO 19-18 STATE FED COM	<b>Well Location:</b> T20S / R35E / SEC 19 / SESE / 32.5516615 / -103.490869	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 11H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM119759	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300255038900X1	<b>Well Status:</b> Drilling Well	<b>Operator:</b> CAZA OPERATING LLC

Accepted for record – NMOCD gc3/2/2023

LONG VO

Digitally signed by  
LONG VO  
Date: 2022.11.21  
11:29:50 -06'00'

**Notice of Intent**

**Sundry ID:** 2703876

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 11/20/2022

**Time Sundry Submitted:** 12:25

**Date proposed operation will begin:** 11/21/2022

**Procedure Description:** Caza proposes to P&A the well. Attached is the current WBS and proposed WBS. The intermediate casing is cemented in place. The rate hole has a cement plug. The intermediate casing has cement inside up to 3110'. A CIBP will be set at 2100' and ' of cement placed on the CIBP. A ' cement plug will be placed from surface down to 100'MD. Cut off casing and conductor 4' below ground and place a marker.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

**NOI Attachments**

**Procedure Description**

Igloo\_19\_18\_State\_Fed\_Com\_11H\_\_\_WBS\_\_\_Proposed\_20221120122015.pdf

Igloo\_19\_18\_State\_Fed\_Com\_11H\_\_\_WBS\_\_\_Current\_20221120122011.pdf

Well Name: IGL00 19-18 STATE FED  
COM

Well Location: T20S / R35E / SEC 19 /  
SESE / 32.5516615 / -103.490869

County or Parish/State: LEA /  
NM

Well Number: 11H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM119759

Unit or CA Name:

Unit or CA Number:

US Well Number: 300255038900X1

Well Status: Drilling Well

Operator: CAZA OPERATING  
LLC

**Operator**

*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*

Operator Electronic Signature: STEVE MORRIS

Signed on: NOV 20, 2022 12:19 PM

Name: CAZA OPERATING LLC

Title: Engineer

Street Address: 14102 WCR 173

City: ODESSA

State: TX

Phone: (985) 415-9729

Email address: steve.morris@morcoreengineering.com

**Field**

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

## PLUG AND ABANDONMENT CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>Caza Operating LLC</b>
<b>LEASE NO.:</b>	<b>NMNM119759</b>
<b>WELL NAME &amp; NO.:</b>	<b>Igloo 19-18 State Fed Com 11H</b>
<b>US Well Number:</b>	3002550389
<b>LOCATION:</b>	Section 19, T.20 S., R.35 E., NMPM
<b>COUNTY:</b>	Lea County, New Mexico
<b>Sundry ID:</b>	<b>2703876</b>
<b>Karst:</b>	<input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Critical
<b>Potash:</b>	<input type="checkbox"/> Secretary <input type="checkbox"/> R111P
<b>Special Area:</b>	<input type="checkbox"/> Prairie Chicken <input checked="" type="checkbox"/> Capitan Reef

Caza proposes to P&A the well. Attached is the current WBS and proposed WBS. The intermediate casing is cemented in place. The rate hole has a cement plug. The intermediate casing has cement inside up to 3110'.

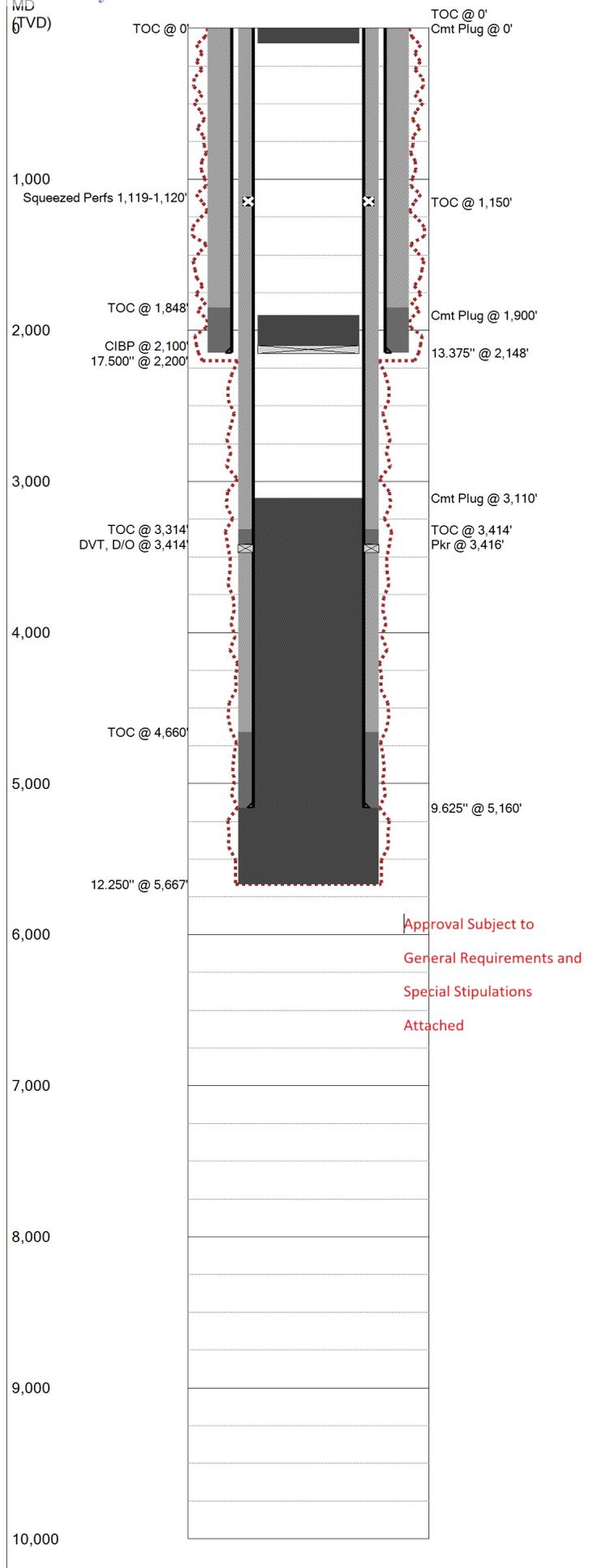
1. Tag TOC at 3110'.
2. Set CIBP at 2198'. Spot cement from 2198' to 2065'. Leak Test CIBP at 500 psi for 30 minutes, no more than 10% pressure drop. If leak test fails, WOC and Tag, 43 sxs Class C. (Shoe, Top of Salt)
3. Spot cement from 1170' to 1058'. WOC and Tag, 36 sxs Class C. (Squeezed perf)
4. Spot cement from 100' to surface. Verify at surface.

Cut off casing and conductor 4' below ground and place a marker.

### Approval Subject to General Requirements and Special Stipulations Attached

- No more than 3000 feet between cement plugs in cased hole.
- Wait on Cement and Tag Top of Cement Requirement:
  1. Shoe, Top of Salt, Base of Salt, DV tool, Perforate and Squeeze, Open Perforation.
  2. Formation plug is optional if a solid base is established and confirmed.

Last Updated: 11/20/2022 12:17 PM



<b>Field Name</b>		<b>Lease Name</b>		<b>Well No.</b>		
East Marathon Road		Igloo 19-18 State Fed Com		11H		
<b>County</b>		<b>State</b>		<b>API No.</b>		
Lea		New Mexico		3002550389		
<b>Version</b>		<b>Version Tag</b>				
1		Proposed				
<b>GL (ft)</b>	<b>KB (ft)</b>	<b>Section</b>	<b>Township/Block</b>	<b>Range/Survey</b>		
3,704.0	3,727.0	19	20S	35E		
<b>Operator</b>		<b>Well Status</b>		<b>Latitude</b>	<b>Longitude</b>	
Caza Operating		Proposed		32.55187949	-103.490867	
<b>Dist. N/S (ft)</b>	<b>N/S Line</b>	<b>Dist. E/W (ft)</b>	<b>E/W Line</b>	<b>Footage From</b>		
180	FSL	871	FEL	SECTION		
<b>Prop Num</b>		<b>Spud Date</b>		<b>Comp. Date</b>		
313780						
<b>Additional Information</b>						
<b>OGRID</b>	<b>Pool Name and Code</b>		<b>Well Type</b>		<b>Dedicated Acres</b>	
249099	Lea Bone Spring; South (37580)					
<b>Prepared By</b>		<b>Updated By</b>		<b>Last Updated</b>		
Steve Morris		Steve Morris		11/20/2022 12:17 PM		
<b>Hole Summary</b>						
<b>Date</b>	<b>Diam. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	<b>Comments</b>		
	17.500	0	2,200			
	12.250	2,200	5,667			
<b>Tubular Summary</b>						
<b>Date</b>	<b>Description</b>	<b>O.D. (in)</b>	<b>Wt (lb/ft)</b>	<b>Grade</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>
	Surface Casing	13.375	54.50	J55	0	2,148
	Intermediate Casing	9.625	40.00	HCL8 0	0	5,160
<b>Casing Cement Summary</b>						
<b>C</b>	<b>Date</b>	<b>No. Sx</b>	<b>Csg. O.D. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	<b>Comments</b>
		1,390	13.375	0	1,848	Circulate 319sx
		485	13.375	1,848	2,148	
		446	9.625	0	1,150	Circulate 186sx
		2,600	9.625	1,150	3,314	
		155	9.625	3,314	3,414	
		280	9.625	3,414	4,660	
		225	9.625	4,660	5,160	
<b>Tools/Problems Summary</b>						
<b>Date</b>	<b>Tool Type</b>	<b>O.D. (in)</b>	<b>I.D. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	
	CIBP	8.835	0.000	2,100	0	
	DVT, D/O	9.625	0.000	3,414	0	
	Pkr	12.250	9.625	3,416	0	
<b>Cement Plug Summary</b>						
<b>Date</b>	<b>No. Sx</b>	<b>O.D. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	<b>Comments</b>	
	800	12.250	3,110	5,667		
	32	8.835	0	100		
	63	8.835	1,900	2,100		
<b>Perforation Summary</b>						
<b>C</b>	<b>Date</b>	<b>Perf. Status</b>	<b>Formation</b>	<b>OA Top (MD ft)</b>	<b>OA Bottom (MD ft)</b>	
		Squeezed		1119	1,120	

Last Updated: 11/20/2022 12:17 PM

Field Name		Lease Name		Well No.	County	State	API No.	
East Marathon Road		Igloo 19-18 State Fed Com		11H	Lea	New Mexico	3002550389	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
1	Proposed						3,704.0	3,727.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
19	20S	35E		180	FSL	871	FEL	SECTION
Operator			Well Status		Latitude		Longitude	Prop Num
Caza Operating			Proposed		32.55187949		-103.490867	313780
OGRID		Pool Name and Code		Well Type			Dedicated Acres	
249099		Lea Bone Spring; South (37580)						
Last Updated			Prepared By			Updated By		
11/20/2022 12:17 PM			Steve Morris			Steve Morris		

## Additional Information

## Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	2,200	
	12.250	2,200	5,667	

## Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	54.50	J55	BTC	0	2,148	
	Intermediate Casing		9.625	40.00	HCL80	BTC	0	5,160	

## Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,390	1.60	2,224	13.375	0	1,848	Class C	Circulate 319sx
		485	1.33	645	13.375	1,848	2,148	Class C	
		446	2.26	1,008	9.625	0	1,150	50/50 POZ C	Circulate 186sx
		2,600	2.26	5,876	9.625	1,150	3,314	50/50 POZ C	
		155	1.33	206	9.625	3,314	3,414	Class C	
		280	2.26	633	9.625	3,414	4,660	50/50 POZ C	
		225	1.33	299	9.625	4,660	5,160	Class C	

## Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Cast Iron Bridge Plug	8.835	0.000	2,100	0		
	DV tool (drilled out)	9.625	0.000	3,414	0		
	Packer	12.250	9.625	3,416	0	ECP	

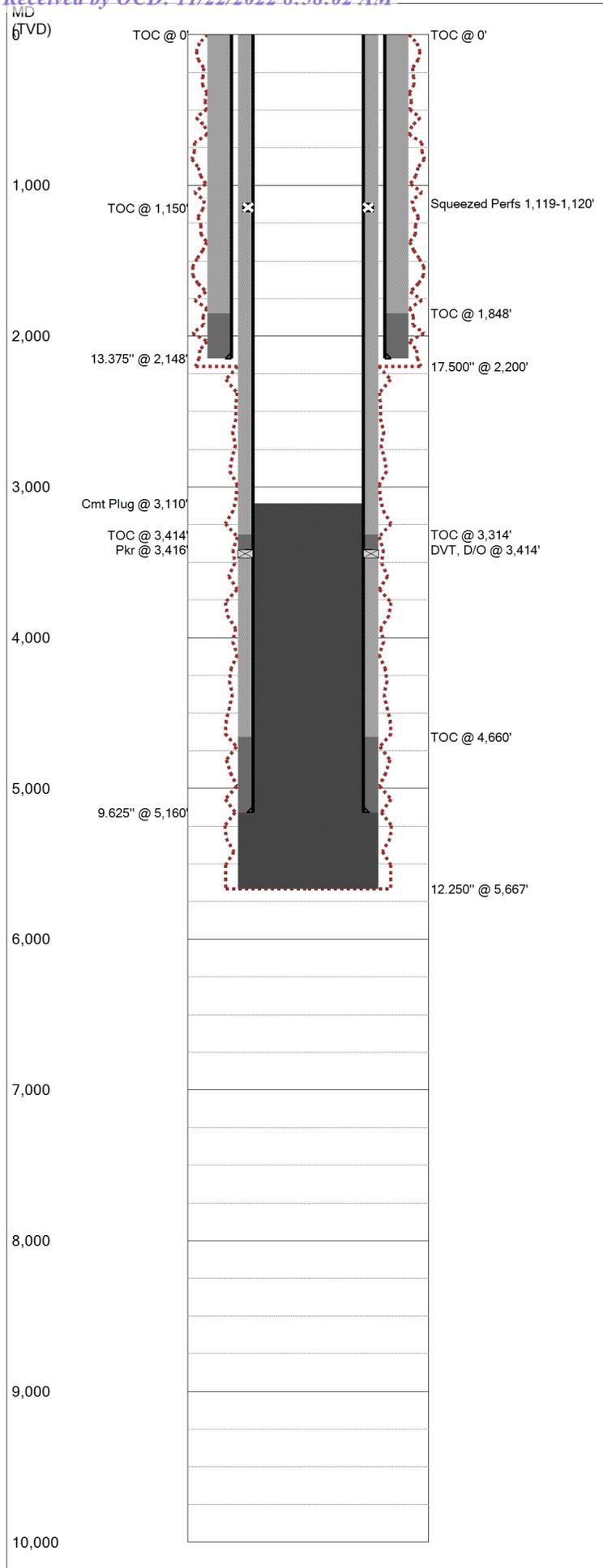
## Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	800	12.250	3,110	5,667	
	32	8.835	0	100	
	63	8.835	1,900	2,100	

## Perforation Summary

C	Date	Perf. Status	Formation	Closed Date	Comments
		Squeezed			
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
1119	1,120	6	6	60	

Last Updated: 11/20/2022 12:12 PM



<b>Field Name</b>		<b>Lease Name</b>		<b>Well No.</b>		
East Marathon Road		Igloo 19-18 State Fed Com		11H		
<b>County</b>		<b>State</b>		<b>API No.</b>		
Lea		New Mexico		3002550389		
<b>Version</b>		<b>Version Tag</b>				
1		Current				
<b>GL (ft)</b>	<b>KB (ft)</b>	<b>Section</b>	<b>Township/Block</b>	<b>Range/Survey</b>		
3,704.0	3,727.0	19	20S	35E		
<b>Operator</b>		<b>Well Status</b>		<b>Latitude</b>	<b>Longitude</b>	
Caza Operating		Current		32.55187949	-103.490867	
<b>Dist. N/S (ft)</b>	<b>N/S Line</b>	<b>Dist. E/W (ft)</b>	<b>E/W Line</b>	<b>Footage From</b>		
180	FSL	871	FEL	SECTION		
<b>Prop Num</b>		<b>Spud Date</b>		<b>Comp. Date</b>		
313780						
<b>Additional Information</b>						
<b>OGRID</b>	<b>Pool Name and Code</b>	<b>Well Type</b>		<b>Dedicated Acres</b>		
249099	Lea Bone Spring; South (37580)					
<b>Prepared By</b>		<b>Updated By</b>		<b>Last Updated</b>		
Steve Morris		Steve Morris		11/20/2022 12:12 PM		
<b>Hole Summary</b>						
<b>Date</b>	<b>Diam. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	<b>Comments</b>		
	17.500	0	2,200			
	12.250	2,200	5,667			
<b>Tubular Summary</b>						
<b>Date</b>	<b>Description</b>	<b>O.D. (in)</b>	<b>Wt (lb/ft)</b>	<b>Grade</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>
	Surface Casing	13.375	54.50	J55	0	2,148
	Intermediate Casing	9.625	40.00	HCL80	0	5,160
<b>Casing Cement Summary</b>						
<b>C</b>	<b>Date</b>	<b>No. Sx</b>	<b>Csg. O.D. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	<b>Comments</b>
		1,390	13.375	0	1,848	Circulate 319sx
		485	13.375	1,848	2,148	
		446	9.625	0	1,150	Circulate 186sx
		2,600	9.625	1,150	3,314	
		155	9.625	3,314	3,414	
		280	9.625	3,414	4,660	
		225	9.625	4,660	5,160	
<b>Tools/Problems Summary</b>						
<b>Date</b>	<b>Tool Type</b>	<b>O.D. (in)</b>	<b>I.D. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	
	DVT, D/O	9.625	0.000	3,414	0	
	Pkr	12.250	9.625	3,416	0	
<b>Cement Plug Summary</b>						
<b>Date</b>	<b>No. Sx</b>	<b>O.D. (in)</b>	<b>Top (MD ft)</b>	<b>Bottom (MD ft)</b>	<b>Comments</b>	
	800	12.250	3,110	5,667		
<b>Perforation Summary</b>						
<b>C</b>	<b>Date</b>	<b>Perf. Status</b>	<b>Formation</b>	<b>OA Top (MD ft)</b>	<b>OA Bottom (MD ft)</b>	
		Squeezed		1119	1,120	

Last Updated: 11/20/2022 12:12 PM

Field Name		Lease Name		Well No.	County	State	API No.	
East Marathon Road		Igloo 19-18 State Fed Com		11H	Lea	New Mexico	3002550389	
Version	Version Tag				Spud Date	Comp. Date	GL (ft)	KB (ft)
1	Current						3,704.0	3,727.0
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
19	20S	35E		180	FSL	871	FEL	SECTION
Operator			Well Status		Latitude		Longitude	Prop Num
Caza Operating			Current		32.55187949		-103.490867	313780
OGRID		Pool Name and Code		Well Type			Dedicated Acres	
249099		Lea Bone Spring; South (37580)						
Last Updated			Prepared By			Updated By		
11/20/2022 12:12 PM			Steve Morris			Steve Morris		

## Additional Information

## Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	2,200	
	12.250	2,200	5,667	

## Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	54.50	J55	BTC	0	2,148	
	Intermediate Casing		9.625	40.00	HCL80	BTC	0	5,160	

## Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,390	1.60	2,224	13.375	0	1,848	Class C	Circulate 319sx
		485	1.33	645	13.375	1,848	2,148	Class C	
		446	2.26	1,008	9.625	0	1,150	50/50 POZ C	Circulate 186sx
		2,600	2.26	5,876	9.625	1,150	3,314	50/50 POZ C	
		155	1.33	206	9.625	3,314	3,414	Class C	
		280	2.26	633	9.625	3,414	4,660	50/50 POZ C	
		225	1.33	299	9.625	4,660	5,160	Class C	

## Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	DV tool (drilled out)	9.625	0.000	3,414	0		
	Packer	12.250	9.625	3,416	0	ECP	

## Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	800	12.250	3,110	5,667	

## Perforation Summary

C	Date	Perf. Status	Formation	Closed Date	Comments
		Squeezed			
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
1119	1,120	6	6	60	

Sundry ID 2703876

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify	33.00	Spot cement from 100' to surface. Verify at surface.
Perf @ 1120	1058.80	1170.00	111.20	ns	36.00	Spot cement from 1170' to 1058'. WOC and Tag.
Top of Salt @ 2136	2064.64	2186.00	121.36	Tag/Verify		
Shoe Plug	2076.52	2198.00	121.48	Tag/Verify	43.00	Set CIBP at 2198'. Spot cement from 2198' to 2065'. Leak test CIBP at 500 psi for 30 minutes, no more than 10% pressure drop. If leak test fails, WOC and Tag.
DV tool plug	3329.86	3464.00	134.14	Tag/Verify		Tag TOC at 3110'.
Base of Salt @ 3503	3417.97	3553.00	135.03	Tag/Verify		
Yates @ 3840	3751.60	3890.00	138.40	base no		
Capitan Reef @ 4806	4707.94	4856.00	148.06	base no		
Shoe Plug	5560.33	5717.00	156.67	Tag/Verify		

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft<sup>3</sup>/sx

Class H: 1.06 ft<sup>3</sup>/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement            Low

Shoe @    2148.00

Shoe @    5667.00

DV Tool @                                        3414.00

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Permanent Abandonment of Federal Wells  
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in an active drilling PAD, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well.

**Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
www.blm.gov/nm



In Reply Refer To: 1310

### Reclamation Objectives and Procedures

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines **(Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist  
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias  
Environmental Protection Specialist  
575-234-6230

Crisha Morgan  
Environmental Protection Specialist  
575-234-5987

Jose Martinez-Colon  
Environmental Protection Specialist  
575-234-5951

Mark Mattozzi  
Environmental Protection Specialist  
575-234-5713

Robert Duenas  
Environmental Protection Specialist  
575-234-2229

Trishia Bad Bear, Hobbs Field Station  
Natural Resource Specialist  
575-393-3612



**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 160716

**COMMENTS**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 160716
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**COMMENTS**

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	3/3/2023

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Created By	Condition	Condition Date
gcordero	None	3/2/2023