

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

Well Name: LAGUNA DEEP UNIT
FEDERAL 35

Well Location: T19S / R33E / SEC 35 /
NESE / 32.6157601 / -103.62639

County or Parish/State: LEA /
NM

Well Number: 1H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM27572

Unit or CA Name: CONSOLIDATED
BONE SPRING FMN

Unit or CA Number:
NMNM70966F

US Well Number: 3002539946

Operator: SHACKELFORD OIL
COMPANY

Notice of Intent

Sundry ID: 2848904

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/23/2025

Time Sundry Submitted: 02:01

Date proposed operation will begin: 06/02/2025

Procedure Description: RIH - SET CIBP AT 8998' (KICK OFF POINT) - PUMP 25 SXS CEMENT - WOC - TAG CEMENT AND PRESSURE TEST PUMP 50 SXS CEMENT PLUG AT 8206' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 40 SXS CEMENT PLUG AT 5402' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 40 SXS CEMENT PLUG AT 4923' (SHOE PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 35 SXS CEMENT PLUG AT 3626' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 35 SXS CEMENT PLUG AT 3242' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 35 SXS CEMENT PLUG AT 1732' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 30 SXS CEMENT PLUG AT 1396' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 30 SXS CEMENT PLUG AT 100' TO SURFACE CUT CASING AND WELD PLATE RECLAIM LOCATION

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Laguna_Deep_Unit_35_1H.schematic.plugging.proposed_20250430092137.pdf

Laguna_Deep_Unit_35_1H.schematic.current_20250430092116.pdf

Well Name: LAGUNA DEEP UNIT
FEDERAL 35

Well Location: T19S / R33E / SEC 35 /
NESE / 32.6157601 / -103.62639

County or Parish/State: LEA /
NM

Well Number: 1H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM27572

Unit or CA Name: CONSOLIDATED
BONE SPRING FMN

Unit or CA Number:
NMNM70966F

US Well Number: 3002539946

Operator: SHACKELFORD OIL
COMPANY

Conditions of Approval

Specialist Review

Laguna_Deep_Unit_Federal_35_1H_Sundry_ID_2848904_P_A_20250502141639.pdf

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: BRADY SHACKELFORD

Signed on: APR 30, 2025 09:21 AM

Name: SHACKELFORD OIL COMPANY

Title: Controller

Street Address: 11417 W COUNTY RD 33

City: MIDLAND

State: TX

Phone: (432) 682-9784

Email address: BRADY@CHOCTAWSERVICES.COM

Field

Representative Name: Art Marquez

Street Address: 3212 N Enterprise Dr

City: Hobbs

State: NM

Zip: 88240

Phone: (575)405-1334

Email address: amarquez201953@gmail.com

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 05/02/2025

Signature: Long Vo

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

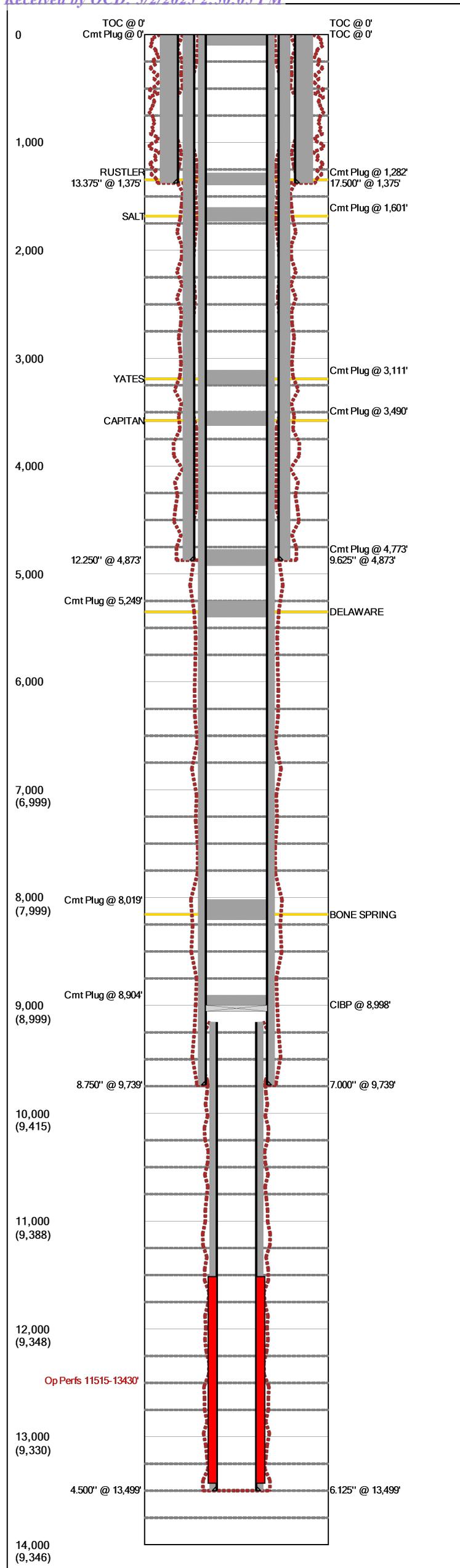
RECLAIM LOCATION

Location of Well

0. SHL: NESE / 2310 FSL / 330 FEL / TWSP: 19S / RANGE: 33E / SECTION: 35 / LAT: 32.6157601 / LONG: -103.62639 (TVD: 0 feet, MD: 0 feet)

BHL: NWSW / 2310 FSL / 330 FWL / TWSP: 19S / RANGE: 33E / SECTION: 35 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Last Updated: 4/23/2025 11:37 AM



Field Name		Lease Name		Well No.
Teas Bone Springs		Leguna Federal 35		1H
County		State		API No.
Lea		New Mexico		30025399460000
Version		Version Tag		
2		P&A		
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
		35	19S	33E
Operator		Well Status	Latitude	Longitude
Shackelford Oil Company				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
2310	FSL	330	FEL	
Prop Num		Spud Date	Comp. Date	
Additional Information				
Other 1				
Other 2				
Other 3				
Other 4				
Prepared By		Updated By		Last Updated
Shackelford		Shackelford		4/23/2025 11:37 AM

Hole Summary				
Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	54.50		0	1,375
	Intermediate Casing	9.625	40.00		0	4,873
	Production Casing	7.000	26.00		0	9,739
	Production Casing	4.500	11.60		9,153	13,499

Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		1,230	13.375	0	1,375	Circulated to Surface
		2,100	9.625	0	4,873	Circulated to Surface
		2,475	7.000	0	9,739	Circulated to Surface
		425	4.500	9,153	13,499	

Tools/Problems Summary					
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	CIBP	7.000	0.000	8,998	0

Cement Plug Summary						
Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments	
	30	7.000	0	100		
	30	7.000	1,282	1,396		
	35	7.000	1,601	1,732	Proposed	
	35	7.000	3,111	3,242	Proposed	
	35	7.000	3,490	3,626	Proposed	
	40	7.000	4,773	4,923	Proposed	
	40	7.000	5,249	5,402	Proposed	
	50	7.000	8,019	8,206	Proposed	
	25	7.000	8,904	8,998	Proposed	

Perforation Summary						
C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open		11,515	13,430	101

Formation Tops Summary		
Formation	Top (TVD ft)	Comments
RUSTLER	1,346	
SALT	1,682	
YATES	3,192	
CAPITAN	3,576	
DELAWARE	5,352	
BONE SPRING	8,156	

Last Updated: 4/23/2025 11:37 AM

Field Name		Lease Name		Well No.	County	State	API No.	
Teas Bone Springs		Leguna Federal 35		1H	Lea	New Mexico	30025399460000	
Version	Version Tag			Spud Date	Comp. Date	GL (ft)	KB (ft)	
2	P&A							
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
35	19S	33E		2,310	FSL	330	FEL	
Operator			Well Status		Latitude		Longitude	Prop Num
Shackelford Oil Company								
Other 1		Other 2		Other 3		Other 4		
Last Updated			Prepared By			Updated By		
04/23/2025 11:37 AM			Shackelford			Shackelford		
Additional Information								

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	54.50		0	1,375	
	Intermediate Casing		9.625	40.00		0	4,873	
	Production Casing		7.000	26.00		0	9,739	
	Production Casing		4.500	11.60		9,153	13,499	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,230	1.00	1,230	13.375	0	1,375		Circulated to Surface
		2,100	1.00	2,100	9.625	0	4,873		Circulated to Surface
		2,475	1.00	2,475	7.000	0	9,739		Circulated to Surface
		425	1.00	425	4.500	9,153	13,499		

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Cast Iron Bridge Plug	7.000	0.000	8,998	0	KOP	

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	30	7.000	0	100	
	30	7.000	1,282	1,396	
	35	7.000	1,601	1,732	Proposed
	35	7.000	3,111	3,242	Proposed
	35	7.000	3,490	3,626	Proposed
	40	7.000	4,773	4,923	Proposed
	40	7.000	5,249	5,402	Proposed
	50	7.000	8,019	8,206	Proposed
	25	7.000	8,904	8,998	Proposed

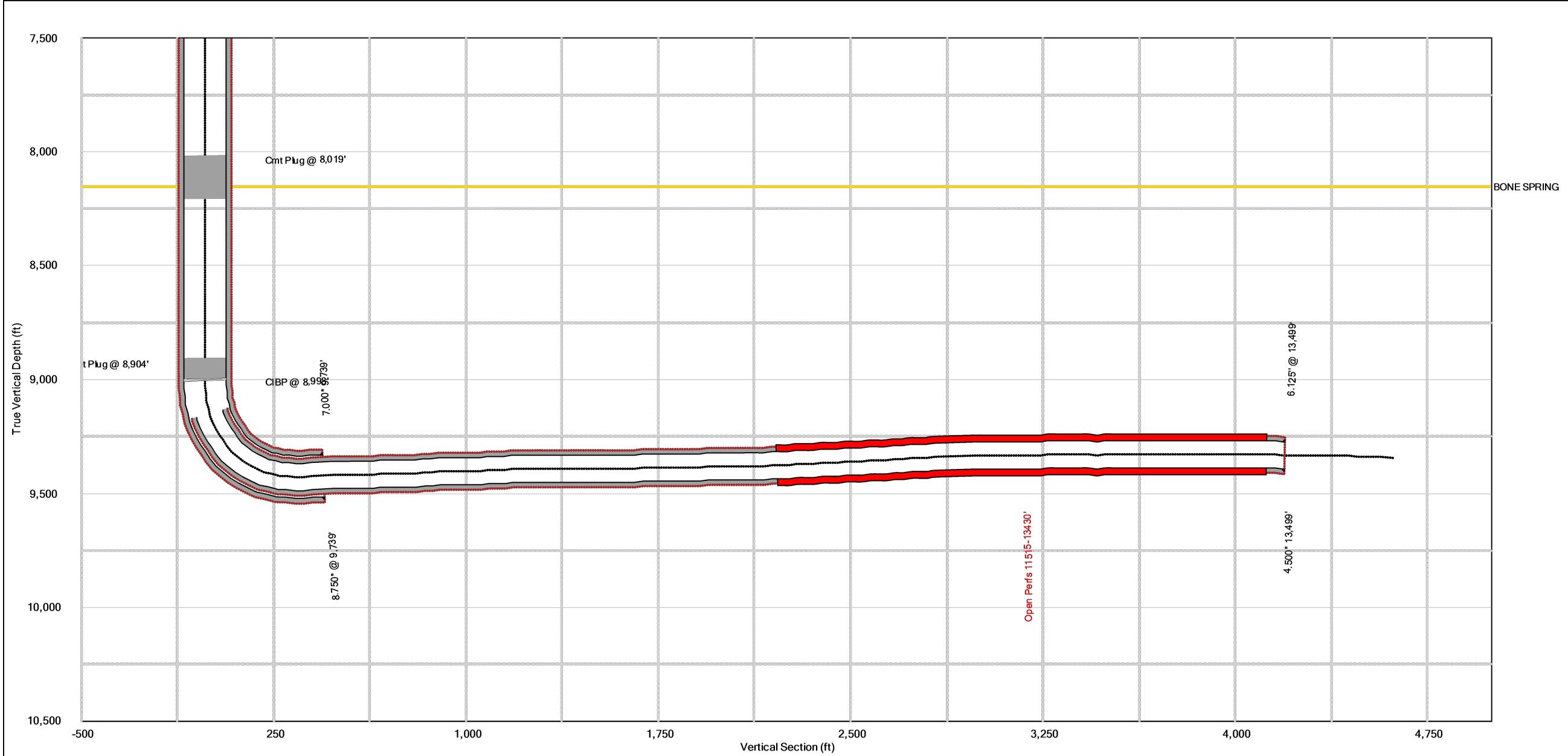
Perforation Summary

C	Date	Perf. Status	Formation			Comments	
		Open					
		Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
		11,515	13,430		101		

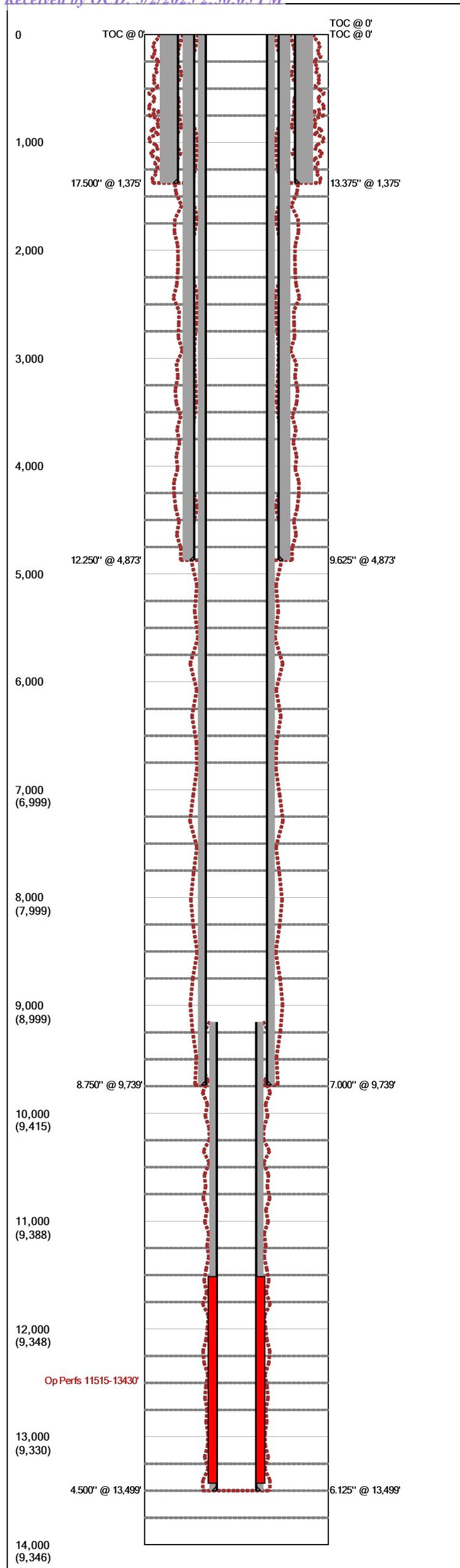
Formation Top Summary

Formation Name	Top(TVD ft)	Comments
RUSTLER	1,346	
SALT	1,682	
YATES	3,192	
CAPITAN	3,576	
DELAWARE	5,352	
BONE SPRING	8,156	

Field Name		Lease Name		Well No.	County		State	API No.		Version	Version Tag		Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Teas Bone Springs		Leguna Federal 35		1H	Lea		New Mexico	30025399460000		2	P&A					
Sec.	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From		Latitude	Longitude		Well Status	PropNum		Operator
35	19S	33E		2310	FSL	330	FEL									Shackelford Oil Company
Last Updated		Prepared By		Updated By		Additional Information										
4/23/2025 11:37:03 AM		Shackelford		Shackelford												



Last Updated: 8/27/2019 02:21 PM



Field Name		Lease Name		Well No.	
Teas Bone Springs		Leguna Federal 35		1H	
County			State		API No.
Lea			New Mexico		30025399460000
Version		Version Tag			
1		Current			
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey	
		35	19S	33E	
Operator		Well Status		Latitude	Longitude
Shackelford Oil Company					
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	
2310	FSL	330	FEL		
Prop Num			Spud Date		Comp. Date
Additional Information					
Other 1		Other 2		Other 3	Other 4
Prepared By		Updated By		Last Updated	
Shackelford		Shackelford		8/27/2019 2:21 PM	

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	54.50		0	1,375
	Intermediate Casing	9.625	40.00		0	4,873
	Production Casing	7.000	26.00		0	9,739
	Production Casing	4.500	11.60		9,153	13,499

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		1,230	13.375	0	1,375	Circulated to Surface
		2,100	9.625	0	4,873	Circulated to Surface
		2,475	7.000	0	9,739	Circulated to Surface
		425	4.500	9,153	13,499	

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open		11,515	13,430	101

Last Updated: 8/27/2019 02:21 PM

Field Name		Lease Name		Well No.	County	State	API No.	
Teas Bone Springs		Leguna Federal 35		1H	Lea	New Mexico	30025399460000	
Version	Version Tag			Spud Date		Comp. Date	GL (ft)	KB (ft)
	1 Current							
Section	Township/Block	Range/Survey		Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
35	19S	33E		2,310	FSL	330	FEL	
Operator			Well Status		Latitude		Longitude	Prop Num
Shackelford Oil Company								
Other 1		Other 2		Other 3			Other 4	
Last Updated			Prepared By			Updated By		
08/27/2019 2:21 PM			Shackelford			Shackelford		
Additional Information								

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	54.50		0	1,375	
	Intermediate Casing		9.625	40.00		0	4,873	
	Production Casing		7.000	26.00		0	9,739	
	Production Casing		4.500	11.60		9,153	13,499	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,230	1.00	1,230	13.375	0	1,375	Class C	Circulated to Surface
		2,100	1.00	2,100	9.625	0	4,873	Class C	Circulated to Surface
		2,475	1.00	2,475	7.000	0	9,739	Class H	Circulated to Surface
		425	1.00	425	4.500	9,153	13,499	Class H	

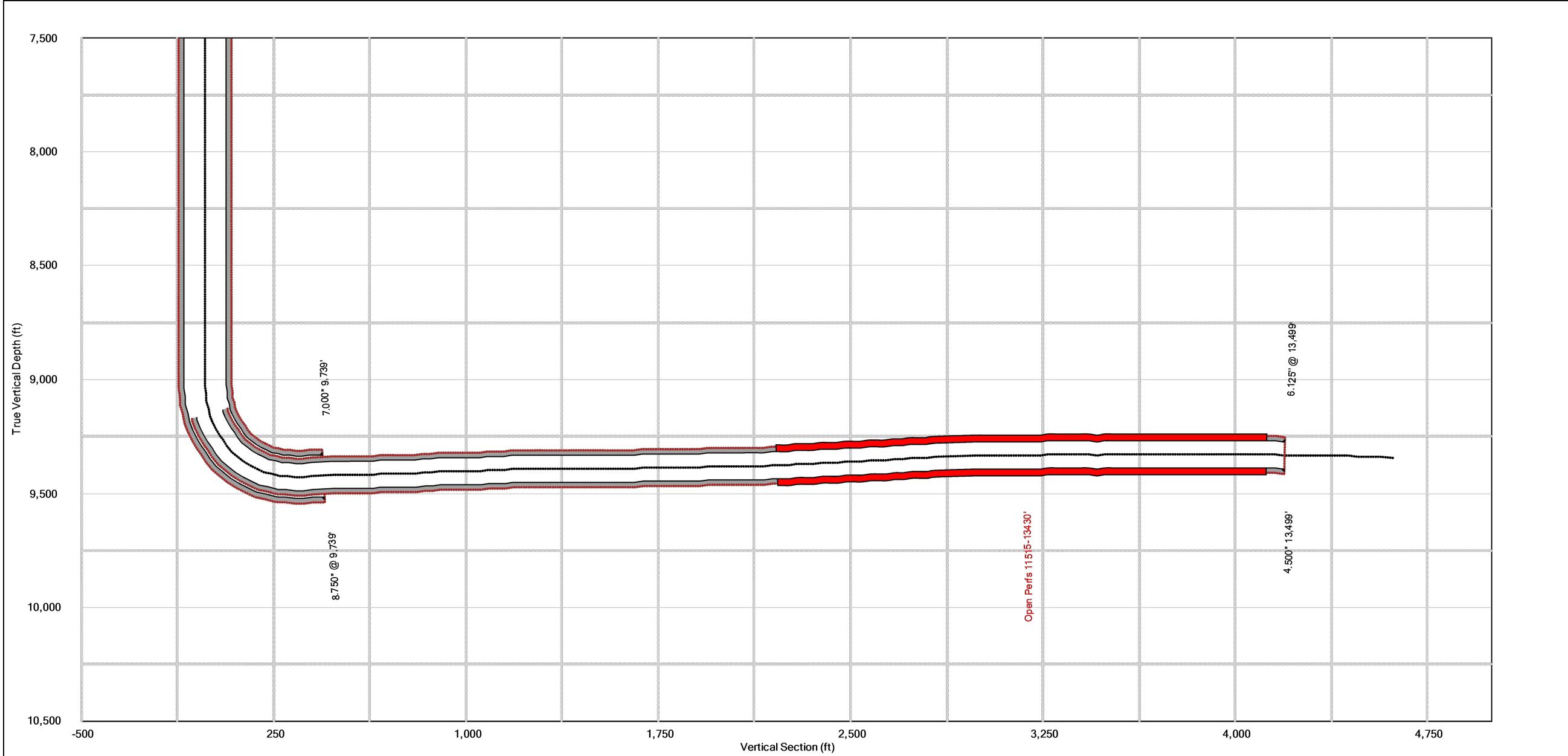
Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments

Perforation Summary

C	Date	Perf. Status	Formation		Comments	
		Open				
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	11,515	13,430		101		

Field Name		Lease Name		Well No.	County	State	API No.		Version	Version Tag	Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Teas Bone Springs		Leguna Federal 35		1H	Lea	New Mexico	30025399460000		1	Current				
Sec.	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From	Latitude	Longitude	Well Status	PropNum	Operator		
35	19S	33E	2310	FSL	330	FEL						Shackelford Oil Company		
Last Updated		Prepared By		Updated By		Additional Information								
8/27/2019 2:21:23 PM		Shackelford		Shackelford										



Well Name: LAGUNA DEEP UNIT FEDERAL 35	Well Location: T19S / R33E / SEC 35 / NESE / 32.6157601 / -103.62639	County or Parish/State: LEA / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM27572	Unit or CA Name: CONSOLIDATED BONE SPRING FMN	Unit or CA Number: NMNM70966F
US Well Number: 3002539946	Operator: SHACKELFORD OIL COMPANY	

Notice of Intent

Sundry ID: 2848904

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/23/2025

Time Sundry Submitted: 02:01

Date proposed operation will begin: 06/02/2025

Procedure Description: RIH - SET CIBP AT 8998' (KICK OFF POINT) - PUMP 25 SXS CEMENT - WOC - TAG CEMENT AND PRESSURE TEST PUMP 50 SXS CEMENT PLUG AT 8206' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 40 SXS CEMENT PLUG AT 7322' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 40 SXS CEMENT PLUG AT 6400' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 35 SXS CEMENT PLUG AT 3626' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 35 SXS CEMENT PLUG AT 3242' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 35 SXS CEMENT PLUG AT 1732' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 30 SXS CEMENT PLUG AT 1396' (FORMATION PLUG) - WOC - TAG CEMENT - POOH RIH - PUMP 30 SXS CEMENT PLUG AT 100' TO SURFACE CUT CASING AND WELD PLATE RECLAIM LOCATION

See Attached for Revised Procedure

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Laguna_Deep_Unit_35_1H.schematic.plugging.proposed_20250430092137.pdf

Laguna_Deep_Unit_35_1H.schematic.current_20250430092116.pdf

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

Well Name: LAGUNA DEEP UNIT FEDERAL 35	Well Location: T19S / R33E / SEC 35 / NESE / 32.6157601 / -103.62639	County or Parish/State: LEA / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM27572	Unit or CA Name: CONSOLIDATED BONE SPRING FMN	Unit or CA Number: NMNM70966F
US Well Number: 3002539946	Operator: SHACKELFORD OIL COMPANY	

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: BRADY SHACKELFORD **Signed on:** APR 30, 2025 09:21 AM

Name: SHACKELFORD OIL COMPANY

Title: Controller

Street Address: 11417 W COUNTY RD 33

City: MIDLAND **State:** TX

Phone: (432) 682-9784

Email address: BRADY@CHOCTAWSERVICES.COM

Field

Representative Name: Art Marquez

Street Address: 3212 N Enterprise Dr

City: Hobbs **State:** NM **Zip:** 88240

Phone: (575)405-1334

Email address: amarquez201953@gmail.com

APPROVED by Long Vo
Petroleum Engineer
Carlsbad Field Office
575-988-50402
LVO@BLM.GOV

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. **NMNM27572**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **SHACKELFORD OIL COMPANY**

3a. Address **11417 W COUNTY ROAD 33, MIDLAND, TX 797** 3b. Phone No. (include area code) **(432) 682-9784**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 35/T19S/R33E/NMP

7. If Unit of CA/Agreement, Name and/or No.
CONSOLIDATED BONE SPRING FMN/NMNM70966F

8. Well Name and No.
LAGUNA DEEP UNIT FEDERAL 35/1H

9. API Well No. **3002539946**

10. Field and Pool or Exploratory Area
TEAS/TEAS

11. Country or Parish, State
LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

RIH - SET CIBP AT 8998' (KICK OFF POINT) - PUMP 25 SXS CEMENT - WOC - TAG CEMENT AND PRESSURE TEST **Class H**

PUMP 50 SXS CEMENT PLUG AT 8206' (FORMATION PLUG) - WOC - TAG CEMENT - POOH **Class H WOC and Tag**

RIH - PUMP 40 SXS CEMENT PLUG AT 5402' (FORMATION PLUG) - WOC - TAG CEMENT - POOH **Class C**

RIH - PUMP 40 SXS CEMENT PLUG AT 4923' (SHOE PLUG) - WOC - TAG CEMENT - POOH **Class C 4923' to 4774'**

RIH - PUMP ~~35~~ SXS CEMENT PLUG AT 3626' (FORMATION PLUG) - WOC - TAG CEMENT - POOH **3626' to 2912' (WOC and Tag) 117 sxs Class C**

~~RIH - PUMP 35 SXS CEMENT PLUG AT 3242' (FORMATION PLUG) - WOC - TAG CEMENT - POOH~~

RIH - PUMP ~~35~~ SXS CEMENT PLUG AT 1732' (FORMATION PLUG) - WOC - TAG CEMENT - POOH **2912' to surface. (Verify at surface) 474 sxs Class C**

~~RIH - PUMP 30 SXS CEMENT PLUG AT 1396' (FORMATION PLUG) - WOC - TAG CEMENT - POOH~~

~~RIH - PUMP 30 SXS CEMENT PLUG AT 100' TO SURFACE~~

CUT CASING AND WELD PLATE **-Run CBL from CIBP to surface.**

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
BRADY SHACKELFORD / Ph: (432) 682-9784

Signature (Electronic Submission) _____ Title **Controller**

Date **04/30/2025**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Long Vo** 

Title **Petroleum Engineer** Date **5-2-2025**

Office **Carlsbad Field Office**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

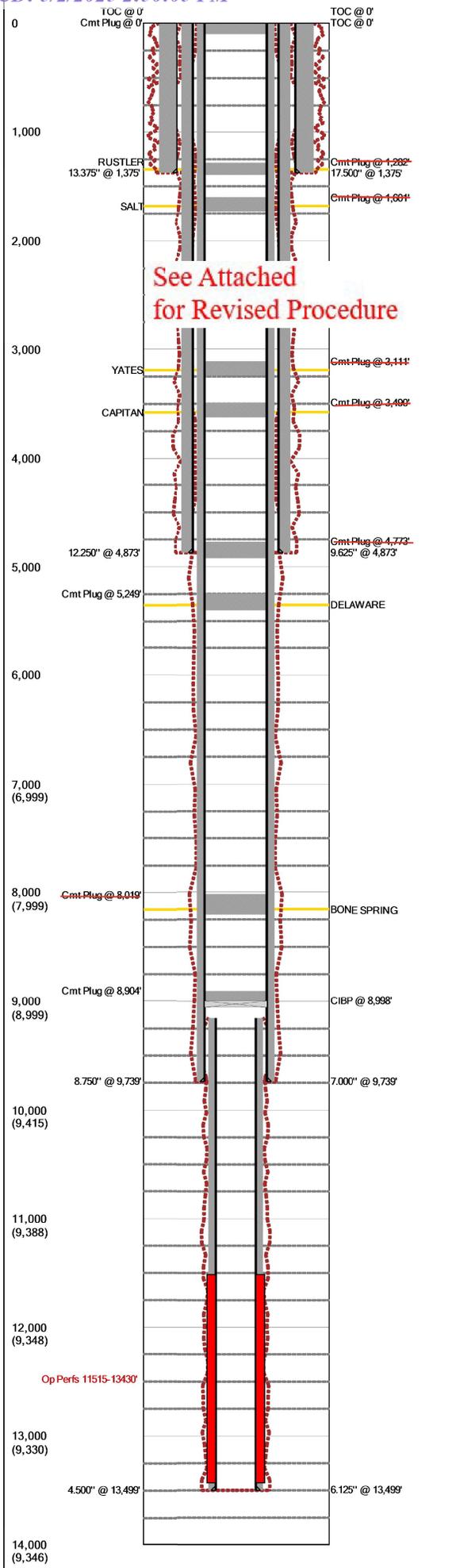
Additional Remarks

RECLAIM LOCATION

Location of Well

0. SHL: NESE / 2310 FSL / 330 FEL / TWSP: 19S / RANGE: 33E / SECTION: 35 / LAT: 32.6157601 / LONG: -103.62639 (TVD: 0 feet, MD: 0 feet)

BHL: NWSW / 2310 FSL / 330 FWL / TWSP: 19S / RANGE: 33E / SECTION: 35 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



Field Name		Lease Name		Well No.
Teas Bone Springs		Leguna Federal 35		1H
County		State		API No.
Lea		New Mexico		30025399460000
Version		Version Tag		
2		P&A		
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
		35	19S	33E
Operator		Well Status	Latitude	Longitude
Shackelford Oil Company				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
2310	FSL	330	FEL	
Prop Num		Spud Date	Comp. Date	
Additional Information				
Other 1				
Other 2				
Other 3				
Other 4				
Prepared By		Updated By		Last Updated
Shackelford		Shackelford		4/23/2025 11:37 AM

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	54.50		0	1,375
	Intermediate Casing	9.625	40.00		0	4,873
	Production Casing	7.000	26.00		0	9,739
	Production Casing	4.500	11.60		9,153	13,499

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		1,230	13.375	0	1,375	Circulated to Surface
		2,100	9.625	0	4,873	Circulated to Surface
		2,475	7.000	0	9,739	Circulated to Surface
		425	4.500	9,153	13,499	

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	CIBP	7.000	0.000	8,998	0

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	30	7.000	0	100	
	30	7.000	1,282	1,396	
	35	7.000	1,601	1,732	Proposed
	40	7.000	5,249	5,402	Proposed
	50	7.000	8,019	8,206	Proposed
	25	7.000	8,904	8,998	Proposed

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open		11,515	13,430	101

Formation	Top (TVD ft)	Comments
RUSTLER	1,346	
SALT	1,682	
YATES	3,192	
CAPITAN	3,576	
DELAWARE	5,352	
BONE SPRING	8,156	

Field Name		Lease Name		Well No.	County	State	API No.
Teas Bone Springs		Leguna Federal 35		1H	Lea	New Mexico	30025399460000
Version	Version Tag			Spud Date	Comp. Date	GL (ft)	KB (ft)
2	P&A						
Section	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
35	19S	33E	2,310	FSL	330	FEL	
Operator		Well Status		Latitude	Longitude	Prop Num	
Shackelford Oil Company							
Other 1		Other 2		Other 3		Other 4	
Last Updated		Prepared By			Updated By		
04/23/2025 11:37 AM		Shackelford			Shackelford		
Additional Information							

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
17.500		0	1,375	
12.250		0	4,873	
8.750		0	9,739	
6.125	9,153	13,499		

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	54.50		0	1,375	
	Intermediate Casing		9.625	40.00		0	4,873	
	Production Casing		7.000	26.00		0	9,739	
	Production Casing		4.500	11.60		9,153	13,499	

Casing Cement Summary

C	Date	No. Sx	Yield (ft ³ /sk)	Vol. (ft ³)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,230	1.00	1,230	13.375	0	1,375		Circulated to Surface
		2,100	1.00	2,100	9.625	0	4,873		Circulated to Surface
		2,475	1.00	2,475	7.000	0	9,739		Circulated to Surface
		425	1.00	425	4.500	9,153	13,499		

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Cast Iron Bridge Plug	7.000	0.000	8,998	0	KOP	

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	30	7.000	0	100	
	30	7.000	1,262	1,396	
	35	7.000	1,601	1,732	Proposed
	35	7.000	3,111	3,242	Proposed
	35	7.000	3,490	3,626	Proposed
	40	7.000	4,773	4,923	Proposed
	40	7.000	5,249	5,402	Proposed
	50	7.000	8,019	8,206	Proposed
	25	7.000	8,904	8,998	Proposed

See Attached for Revised Procedure

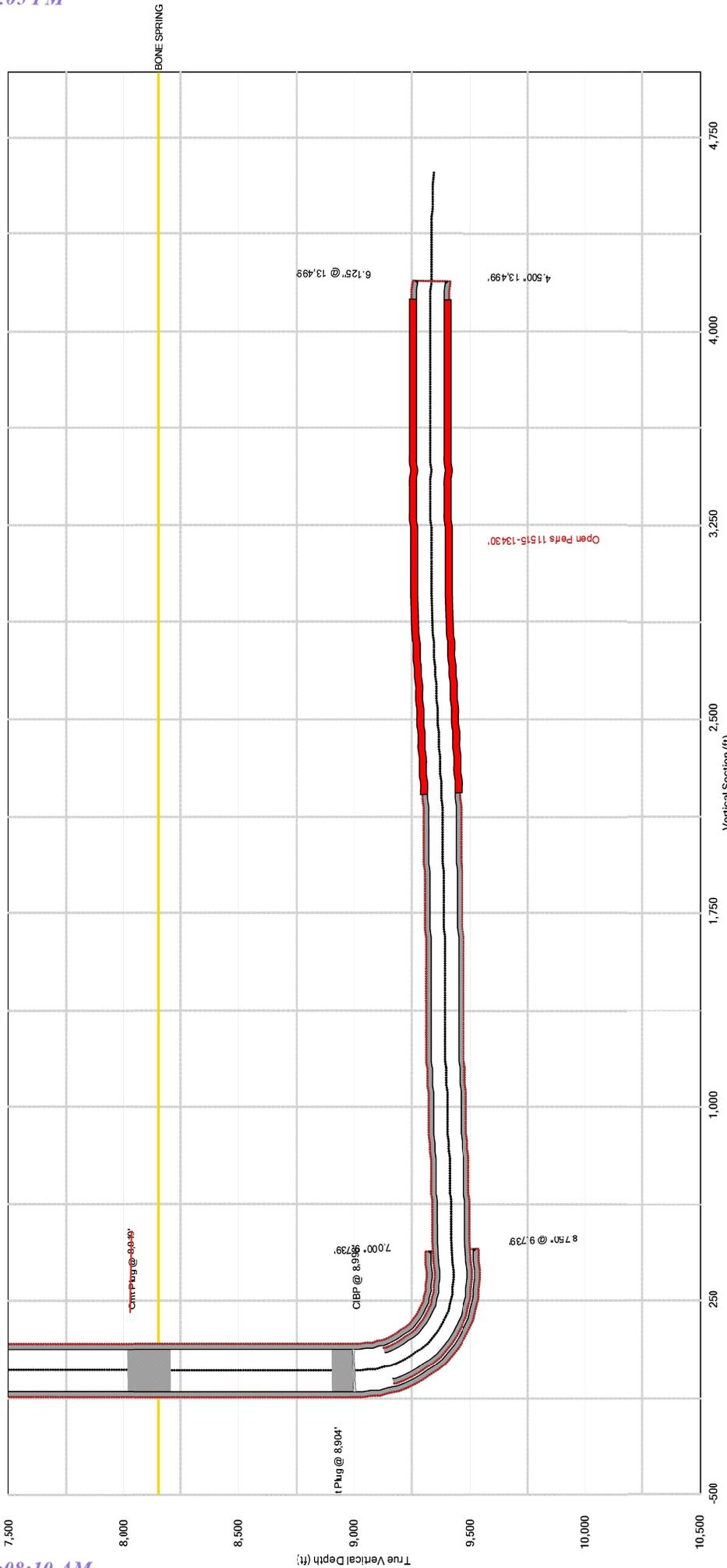
Perforation Summary

C	Date	Perf. Status	Formation	Comments			
		Open					
		Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
		11,515	13,430		101		

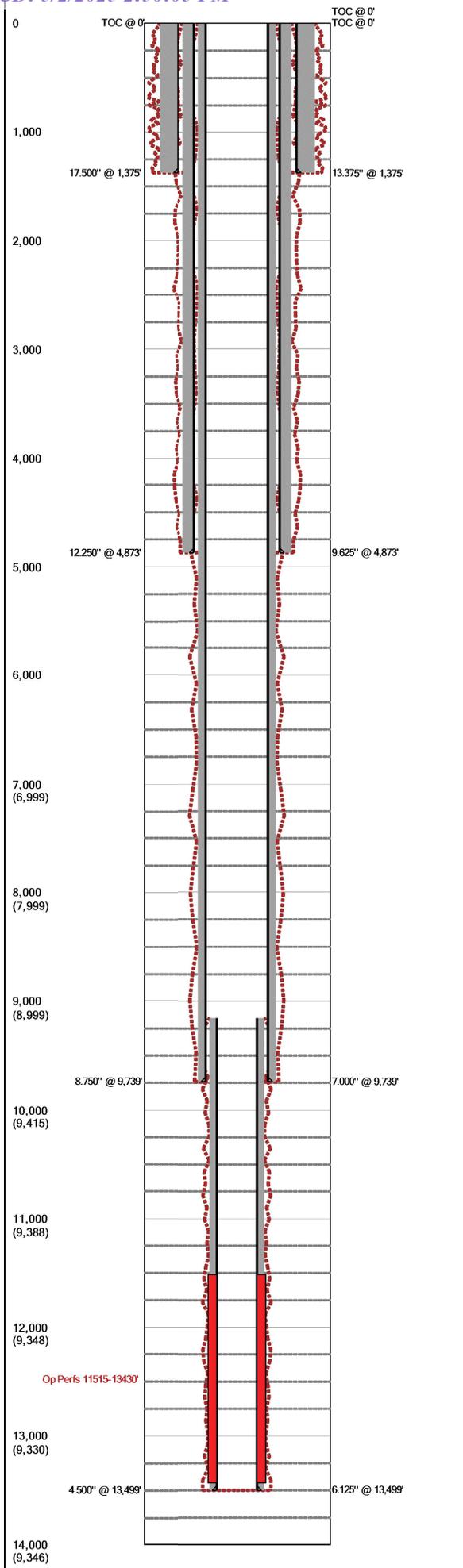
Formation Top Summary

Formation Name	Top(TVD ft)	Comments
RUSTLER	1,346	
SALT	1,682	
YATES	3,192	
CAPITAN	3,576	
DELAWARE	5,352	
BONE SPRING	8,156	

Field Name	Lease Name	Well No.	County	State	API No.	Version	Version Tag	Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Gas Bone Springs	Leguna Federal 35	1H	Lea	New Mexico	30025399460000	2	P&A				
Township/Block	Range/Survey	Dist. N/S (ft)	Dist. E/W (ft)	Footage From	Latitude	Longitude	Well Status	PropNum	Operator		
19S	33E	2310	FSL	330	FEL				Shackelford Oil Company		
Prepared By	Additional Information										
23/2025 11:37:03 AM	Shackelford										



Last Updated: 8/27/2019 02:21 PM



Field Name		Lease Name		Well No.
Teas Bone Springs		Leguna Federal 35		1H
County		State		API No.
Lea		New Mexico		30025399460000
Version		Version Tag		
1		Current		
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
		35	19S	33E
Operator		Well Status	Latitude	Longitude
Shackelford Oil Company				
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
2310	FSL	330	FEL	
Prop Num		Spud Date	Comp. Date	
Additional Information				
Other 1	Other 2	Other 3	Other 4	
Prepared By		Updated By	Last Updated	
Shackelford		Shackelford	8/27/2019 2:21 PM	

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	54.50		0	1,375
	Intermediate Casing	9.625	40.00		0	4,873
	Production Casing	7.000	26.00		0	9,739
	Production Casing	4.500	11.60		9,153	13,499

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		1,230	13.375	0	1,375	Circulated to Surface
		2,100	9.625	0	4,873	Circulated to Surface
		2,475	7.000	0	9,739	Circulated to Surface
		425	4.500	9,153	13,499	

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open		11,515	13,430	101

Last Updated: 8/27/2019 02:21 PM

Field Name		Lease Name		Well No.	County	State	API No.
Teas Bone Springs		Leguna Federal 35		1H	Lea	New Mexico	30025399460000
Version	Version Tag			Spud Date	Comp. Date	GL (ft)	KB (ft)
1	Current						
Section	Township/Block	Range/Survey	Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
35	19S	33E	2,310	FSL	330	FEL	
Operator			Well Status		Latitude	Longitude	Prop Num
Shackelford Oil Company							
Other 1		Other 2		Other 3		Other 4	
Last Updated			Prepared By			Updated By	
08/27/2019 2:21 PM			Shackelford			Shackelford	
Additional Information							

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	1,375	
	12.250	0	4,873	
	8.750	0	9,739	
	6.125	9,153	13,499	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		13.375	54.50		0	1,375	
	Intermediate Casing		9.625	40.00		0	4,873	
	Production Casing		7.000	26.00		0	9,739	
	Production Casing		4.500	11.60		9,153	13,499	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
		1,230	1.00	1,230	13.375	0	1,375	Class C	Circulated to Surface
		2,100	1.00	2,100	9.625	0	4,873	Class C	Circulated to Surface
		2,475	1.00	2,475	7.000	0	9,739	Class H	Circulated to Surface
		425	1.00	425	4.500	9,153	13,499	Class H	

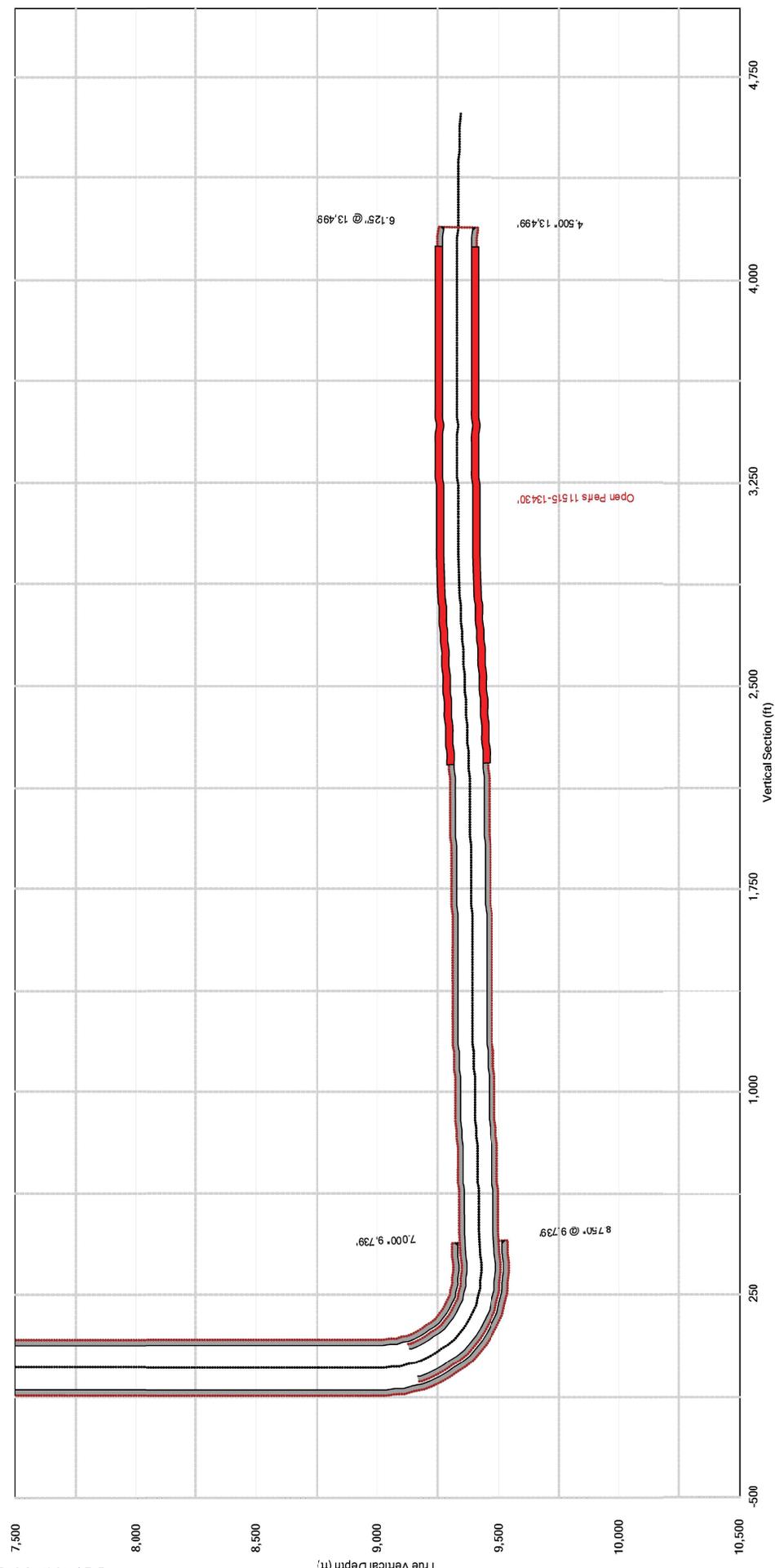
Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments

Perforation Summary

C	Date	Perf. Status	Formation	Comments	
		Open			
Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
11,515	13,430		101		

Field Name	Lease Name	Well No.	County	State	API No.	Version	Version Tag	Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
Gas Bone Springs	Leguna Federal 35	1H	Lea	New Mexico	30025399460000	1	Current				
Township/Block	Range/Survey	Dist. N/S (ft)	Dist. E/W (ft)	Footage From	Latitude	Longitude	Well Status	PropNum	Operator		
19S	33E	2310	FSL	330	FEL				Shackelford Oil Company		
Last Updated	Prepared By	Additional Information									
27/2019 2:21:23 PM	Shackelford	Shackelford									



**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 (LPC Habitat)**

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 90th day provide this office, prior to the 90th 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; Lea County, call 575-689-5981. Eddy County, please email notifications to: BLM_NM_CFO_PluggingNotifications@BLM.GOV. The Eddy County inspector on call phone, 575-361-2822, will remain active as a secondary contact.

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 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 for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

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.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): 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 *BY PHONE* (numbers listed in 2. Notifications) 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 14th 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 lesser prairie-chicken habitat, 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. The following information shall be permanently inscribed on the plate: well name and number, name of operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

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.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.



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.

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.

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.

The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

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.

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.

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.

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

Stephanie McCarty
Environmental Protection Specialist
575-234-5985

Jaden Johnston
Environmental Protection Asst. (Intern)
575-234-6252

Sundry ID 2848904

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Fresh Water @ 265	212.35	315.00	102.65	base no			
13.375 inch- Shoe Plug	1311.25	1425.00	113.75	Tag/Verify			
Top of Salt @ 1682	1615.18	1732.00	116.82	Tag/Verify			
Base of Salt @ 2992	2912.08	3042.00	129.92	Tag/Verify	474.00	C	Spot cement from 2912' to surface. Verify at surface.
Yates @ 3192	3110.08	3242.00	131.92	base no			
Capitan Reef @ 3576	3490.24	3626.00	135.76	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	117.00	C	Spot cement from 3626' to 2912. WOC and Tag.
9.625 inch- Shoe Plug	4774.27	4923.00	148.73	Tag/Verify	25.00	C	Spot cement from 4923' to 4774' WOC and Tag.
Delaware @ 5352	5248.48	5402.00	153.52	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 5402' to 5248'.

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
Bonesprings @ 8156	8024.44	8206.00	181.56		37.00	H	Spot cement from 8206' to 8024'.
KOP @ 8998	8858.02	9048.00	189.98	base no need to Tag			
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
CIBP Plug	8963.00	8998.00	35.00		25.00	H	Set CIBP at 8998'. Spot 25 sxs cement on top. Leak test CIBP.
Liner Top @ 9153	9011.47	9203.00	191.53	base no			
7 inch- Shoe Plug	9591.61	9789.00	197.39	Tag/Verify			
4.5 inch- Shoe Plug	13314.01	13549.00	234.99	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 ft³/sx
Class H: 1.06 ft³/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.

<u>Cave Karst/Potash Cement Requirement:</u>	<u>R111</u>	<u>50 Feet from Base of Salt to surface</u>		
13.375 inch- Shoe Plug @	1375.00			
9.625 inch- Shoe Plug @	4873.00			
7 inch- Shoe Plug @	9739.00			
4.5 inch- Shoe Plug @	13499.00	TOC @	9153.00	

CIBP @ 8998.00

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 458158

CONDITIONS

Operator: SHACKELFORD OIL CO 11417 W County Rd 33 Midland, TX 79707	OGRID: 20595
	Action Number: 458158
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Run CBL to Surface	5/6/2025
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	5/6/2025
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	5/6/2025