Received by VCD: 710/2025 9:37:45 AM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report
Well Name: LAGUNA DEEP	Well Location: T19S / R33E / SEC 35 / NWSE / 32.6148239 / -103.6317885	County or Parish/State: LEA / NM
Well Number: 09	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM27572	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002537686	<b>Operator:</b> SHACKELFORD OIL COMPANY	

**Notice of Intent** 

Sundry ID: 2854387

Type of Submission: Notice of Intent

Date Sundry Submitted: 05/23/2025

Date proposed operation will begin: 07/07/2025

Type of Action: Recompletion Time Sundry Submitted: 09:11

**Procedure Description:** RIH SET CIBP AT 11156 - PUMP 25 SXS CEMENT PLUG - WOC / TAG CEMENT - PRESSURE TEST CASING RIG UP WIRELINE AND PERFORATE FOLLOWING INTERVALS 9342-9350 9361-9384 9390-9400 RIH W/ TUBING AND PACKER - ACIDIZE - SWAB TEST EVALUATE TO POSSIBLY FRAC

**Surface Disturbance** 

Is any additional surface disturbance proposed?: No

**NOI Attachments** 

**Procedure Description** 

Laguna9.wellboreschematic.proposed\_20250522141952.pdf

Laguna9.wellboreschematic.current\_20250522141937.pdf

 Received to OCD: ZGOMP25.9:37:45 AM
 Well Location: T19S / R33E / SEC 35 / NWSE / 32.6148239 / -103.6317885
 County or Parish/State: LEAP 2 of 37 NM

 Well Number: 09
 Type of Well: CONVENTIONAL GAS
 Allottee or Tribe Name: WELL

 Lease Number: NMNM27572
 Unit or CA Name:
 Unit or CA Number: OP

 US Well Number: 3002537686
 Operator: SHACKELFORD OIL COMPANY

## **Conditions of Approval**

### **Specialist Review**

Laguna\_Deep\_09\_Sundry\_ID\_2854387\_20250605103555.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** 

Name: SHACKELFORD OIL COMPANY

Title: Controller

Street Address: 11417 W COUNTY RD 33

City: MIDLAND

Phone: (432) 682-9784

Email address: BRADY@CHOCTAWSERVICES.COM

State: TX

Field

Representative Name: ART MARQUEZStreet Address: 3212 N ENTERPRISE DRCity: HOBBSState: NMPhone: (575)405-1334Email address: amarquez201953@gamil.com

## **BLM Point of Contact**

BLM POC Name: LONG VO BLM POC Phone: 5759885402 Disposition: Approved Signature: Long Vo

BLM POC Title: Petroleum Engineer BLM POC Email Address: LVO@BLM.GOV Disposition Date: 06/05/2025

Signed on: MAY 22, 2025 02:10 PM

**Zip:** 88240

### Received by OCD: 7/10/2025 9:37:45 AM

<i>cccircu by CCD</i> . 7/10					1 uge 5 0j .
Form 3160-5 (June 2019)		UNITED STATE ARTMENT OF THE I AU OF LAND MAN	NTERIOR	0	DRM APPROVED MB No. 1004-0137 res: October 31, 2021
Do not u	ise this fo		ORTS ON WELLS o drill or to re-enter an PD) for such proposals.	6. If Indian, Allottee or Tribe N	lame
S	UBMIT IN T	RIPLICATE - Other instru	ictions on page 2	7. If Unit of CA/Agreement, Na	ame and/or No.
1. Type of Well	Gas We	ell 🗌 Other		8. Well Name and No.	
2. Name of Operator				9. API Well No.	
3a. Address			3b. Phone No. <i>(include area code)</i>	10. Field and Pool or Explorate	bry Area
4. Location of Well (Footag	ge, Sec., T.,R.	,M., or Survey Description)		11. Country or Parish, State	
	12. CHEC	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATURE (	OF NOTICE, REPORT OR OTH	ER DATA
TYPE OF SUBMISS	SION		TYPI	E OF ACTION	
Notice of Intent		Acidize	Deepen   Hydraulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report		Casing Repair	New Construction           Plug and Abandon	Recomplete Temporarily Abandon	Other
Final Abandonment	Notice	Convert to Injection	Plug Back	Water Disposal	
the proposal is to deepe the Bond under which t completion of the invol	en directional the work will ved operation donment Noti	ly or recomplete horizontall be perfonned or provide the ns. If the operation results in	y, give subsurface locations and me e Bond No. on file with BLM/BIA. a multiple completion or recomple	asured and true vertical depths of Required subsequent reports mus tion in a new interval, a Form 31	k and approximate duration thereof. If f all pertinent markers and zones. Attach t be filed within 30 days following 60-4 must be filed once testing has been he operator has detennined that the site

14. I hereby certify that the foregoing is true and correct. Name ( <i>Printed/Typed</i> )			
	Fitle		
Signature	Date		
THE SPACE FOR FEDE	RAL OR STATE O	FICE USE	
Approved by			
	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant of 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 any false, fictitious or fraudulent statements or representations as to any matter within		illfully to make to any department or agency of the United S	states

(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**

### Location of Well

0. SHL: NWSE / 1980 FSL / 1980 FEL / TWSP: 19S / RANGE: 33E / SECTION: 35 / LAT: 32.6148239 / LONG: -103.6317885 (TVD: 0 feet, MD: 0 feet) BHL: NWSE / 1980 FSL / 1980 FEL / TWSP: 19S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



# Last Updated: 5/12/2025 11:52 AM

Fie	eld Name						Le	ease	Na	m	е					We	ell No	
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		2	PRC	POS	SED	)												
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Op	perator					W	ell	Stat	us		L	.at	itud	le		Lon	gitud	е
Sh	ackelford	Oi	I Cor	npan	y	Pr	od	ucer										
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Pr	op Num								Sp	ou	d D					omp.		
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Sh	ackelford				Sh	acke	elfc	ord							5/12	2/202	5 11:	52 AM
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Tu	bular Su	mn	nary															
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	3/12/2006 9/14/2006		Produ				-		500		-		P-1			C		4,820
	sing Cen					ISING	'	5.	500		17.	00	1 - 1	10		L	/	15,055
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ыA						1	ა,:	212										

## **Received by OCD:** 7/10/2025 9:37:45 AM Last Updated: 5/12/2025 11:52 AM

Field Name				ease Na	-				l No.	Cour	nty		State				API N			
Tonto, Wolfe	•		La	aguna D	eep Unit			009		Lea			New						68600	
/ersion		ion Tag										Spud Da			p. Dat		GL (f	t)	ł	KB (ft)
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35	19S			338	=	1.47			1,980	) FSL			1,980							
Operator	010						ell Status				Latit	ude		Long	gitude			Pr	rop N	um
Shackelford	Oil Con	ipany		Othe	- 0	Pro	oducer		Other	<u> </u>					<u> </u>	4				
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a a ti lin dat	- d				mared D	-						Undata								
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Additional				316	ackellolu							Shacker	IOIU							
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Change of C	Operator	approved 5	9/202	5 (BLM	& OCD)	.01110	0, 112020													
lole Summ	ary																			
Date	O.D. (in		Bot								Com	ments								
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8/12/2006				4,820																
9/12/2006	-	-		3,635																
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Date		Description		No.	O.D. (in	) )	Wt Grad	е	Тор	Botto	m				Co	mm	ents			
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9/14/2006					5.50	0 1	17.00 P-11	0	0	13	,635									
Casing Cen		-										<u> </u>								
C Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)		sg. . (in)	Top (MD			De	escriptio	on					Co	mme	nts		
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9/14/20	06 2,05	0 1.00	2,05	0	5.500	3	,400 13,6	35				Т	OC 34	400' b	y CBL					
Fools/Prob	lems Su	mmary			I															
Date		Tool Type			O.D.	I.D			Bottom	Des	scrip	tion				С	omm	ents		
	0.00	t Inco Duider	Dive		(in)	(in)			MD ft)											
		t Iron Bridge t Iron Bridge	-		5.500 5.500		.000 11,1 .000 13,0		0											
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Top (MD ft)	)	Bottom (MD ft)		SPF	Shot	S	Phasing (de	∋g)				In	terval	Com	ments	5				
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C Date	Pe	rf. Status		Forn	nation			1				Com	ments	;						
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Тор		Bottom		SPF	Shot	s	Phasing (de	eg)				In	terval	Com	ments	\$				
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ATOKA				2,328																
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Norrow																				

13,512

BARNETT

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## Last Updated: 5/12/2025 11:47 AM

County         State         API No.           Lea         New Mexico         3002537	
Lea New Mexico 3002537	009
	1
	76860000
Version Version Tag	
1 Current	
GL (ft) KB (ft) Section Township/Block Range/S	Survev
35 19S 33E	<b>,</b>
	ongitude
•	ongitude
Shackelford Oil Company         Producer           Dist. N/S (ft)         N/S Line         Dist. E/W (ft)         E/W Line         Footage Fr	
1980 FSL 1980 FEL	
	. D.4.
	p. Date
8/1/2006	12/6/2006
Additional Information	
Shackelford acquired from Cimarex/Coterra Energy effective 3/1/20	025
Change of Operator approved 5/9/2025 (BLM & OCD) Other 1 Other 2 Other 3 Other	~ 1
Utier 3 Utier 3 Utier	. +
Dronorod Dy Undefed Dy Leaf Undefed	
Prepared By Updated By Last Updated	
	025 11:47 AM
Hole Summary	
Date O.D. (in) Top Bottom Comments (MD ft) (MD ft)	5
8/3/2006 17.500 0 1,390	
8/12/2006 12.250 0 4,820	
9/12/2006 8.750 0 13,635	
Tubular Summary	
	Pottom
Date Description O.D. Wt Grade Top (in) (Ib/ft) (MD ft	Bottom (MD ft)
8/3/2006 Surface Casing 13.375 48.00 H-40	0 1,390
8/12/2006 Intermediate Casing 9.625 40.00 N-80	0 4,820
9/14/2006 Production Casing 5.500 17.00 P-110	0 13,635
Casing Cement Summary	
	nments
	nments
C Date No. Csg. Top Bottom Com	nments
C Date No. Csg. Top Bottom Com Sx O.D. (in) (MD ft) (MD ft)	
C         Date         No.         Csg.         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390	irc 612 sx
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,460 sx, c           8/12/2006         1,460         9.625         0         4,820         1460 sx, c	irc 612 sx
C         Date         No.         Csg.         Top (MD ft)         Bottom (MD ft)         Corr (MD ft)           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400	irc 612 sx
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Corr (MD ft)           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary         O.D. (in)         I.D. (in)         Top (MD ft)	irc 612 sx ' by CBL Bottom (MD ft)
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           CIBP         5.500         0.000         13,000	irc 612 sx ' by CBL Bottom (MD ft)
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Corr           8/3/2006         1,040         13.375         0         1,390         1,460         9.625         0         4,820         1460 sx, c         9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary         O.D. (in)         I.D. (in)         Top (MD ft)	irc 612 sx ' by CBL Bottom (MD ft)
C         Date         No.         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary           Date         O.D.         Top         Bottom         Comm           Date         No.         O.D.         Top         Bottom         Comm	irc 612 sx ' by CBL Bottom (MD ft)
C         Date         No.         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm	irc 612 sx ' by CBL Bottom (MD ft)
C         Date         No.         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com (MD ft)           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm (MD ft)           5.500         12,965         13,000         13,000	irc 612 sx ' by CBL Bottom (MD ft)
C         Date         No.         Csg. Sx         Top O.D. (in)         Bottom (MD ft)         Com (MD ft)           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary         O.D.         I.D.         Top (in)         MD ft)           Date         Tool Type         O.D.         I.D.         Top (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary         Date         No.         O.D.         Top (in)         Bottom (MD ft)         Comm           Date         No.         O.D.         Top Sx         Top (in)         Comm         Comm           Sx         0.D.         Top (in)         Bottom (MD ft)         Comm         Comm           Sx         0.12,965         13,000         Perforation Summary         Comm	irc 612 sx by CBL Bottom (MD ft) contents
C         Date         No.         Csg. Sx         Top O.D. (in)         MD ft)         Bottom (MD ft)         Corr           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           ToolS/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm           Date         No. Sx         5.500         12,965         13,000         Perforation Summary	irc 612 sx ' by CBL Bottom (MD ft) (ments Bottom Shots
C         Date         No.         Csg. Sx         Top O.D. (in)         Bottom (MD ft)         Corr           8/3/2006         1,040         13.375         0         1,390	irc 612 sx by CBL Bottom (MD ft) contents
C         Date         No. Sx         C sg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Corr (MD ft)           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           Cement Plug Summary         0.D. Sx         0.D. (in)         Top (MD ft)         Corr           Date         No. Sx         0.D. (in)         Top (MD ft)         Corr           Perforation Summary         5.500         12,965         13,000         Perforation Summary           C         Date         Perf. Status         Formation         OA Top (MD ft)         OA Top (MD ft)         OA Top (MD ft)         OA E (M	irc 612 sx ' by CBL Bottom (MD ft) (ments Bottom Shots D ft)
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary           Date         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm           5.500         12,965         13,000         Perforation Summary         C         Date         Perf. Status         Formation         OA Top (MD ft)         OA Top (MD ft)         OA Top         OA E (M         (M	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No.         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com (MD ft)           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary         O.D.         I.D.         Top (in)         I.D.         Top (MD ft)           Date         Tool Type         O.D.         (in)         (im)         (MD ft)           CIBP         5.500         0.000         13,000           Cement Plug Summary         Date         No.         O.D.         Top (in)         Bottom (MD ft)         Comm           Date         No.         O.D.         Top (in)         MD ft)         Comm         Comm           Date         No.         O.D.         Top (in)         Bottom (MD ft)         Comm         Comm           Date         No.         O.D.         Top (MD ft)         MO         Comm         (MD ft)         (MD ft)           Open         Wolfcamp         11,206         (MO         (MD ft)         (MD ft)	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           ToolS/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           ClBP         5.500         0.000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm           0         0.D. Sx         0.D. (in)         Top (MD ft)         Comm         Comm           Perf. Status         Formation         OA Top (MD ft)         OA E (M           0         0pen         Wolfcamp         11,206         (M           1         10         Morrow         13,040         (M	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           Date         Tool Type         O.D. (in)         0.000         13,000           Cement Plug Summary         Date         No. Sx         O.D. (in)         Top (MD ft)         Comm           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm         Comm           Perforation Summary         Status         Formation         OA Top (MD ft)         OA E (M         (M           Open         Wolfcamp         11,206         (M         (M         (M         (M           Open         Wolfcamp         13,040         Formation Tops Summary         Top         Comments	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           Date         Tool Type         O.D. (in)         1000         13,000           Cement Plug Summary         Date         No. Sx         O.D. (in)         Top (MD ft)         Comm           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm         Comm           Perforation Summary         Status         Formation         OA Top (MD ft)         OA E           Open         Wolfcamp         11,206         (M         (M           Isolated         Morrow         13,040         Formation Tops Summary	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary         O.D. (in)         I.D. (in)         Top (MD ft)           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           Clement Plug Summary         0.D.         Top (in)         Comm         Comm           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm           Date         No. Sx         0.D. (in)         Top (MD ft)         Comm           Perforation Summary         5.500         12,965         13,000           Perforation Summary         C         Date         Perf. Status         Formation         OA Top (MD ft)         (M           Open         Wolfcamp         11,206         (M         (M         M         (M           Isolated         Morrow         13,040         Top         Comments	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           ClBP         5.500         0.000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm           Date         No. Sx         0.D. (in)         Top (MD ft)         Comm         Comm           Date         No. Sx         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm           Perforation Summary         0.2         5.500         12,965         13,000         OP           Perforation Tops Summary         Open         Wolfcamp         11,206         Mo         Mo           0pen         Wolfcamp         13,040         Solated	irc 612 sx by CBL Bottom (MD ft) (MD
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Com           8/3/2006         1,040         13.375         0         1,390         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tools/Problems Summary           Date         Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           ClBP         5.500         0.000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm           Date         No. Sx         0.D. (in)         Top (MD ft)         Comm         Comm           Perforation Summary         C         Date         Perf. Status         Formation         OA Top (MD ft)         OA Top (MD ft)         OA E (M           Open         Wolfcamp         11,206         Isolated         Morrow         13,040         Formation Tops Summary           Formation Tops Summary           Formation Tops Summary         Comments         Comments	irc 612 sx ' by CBL Bottom (MD ft) (MD ft) (M
C         Date         No.         Csg. Sx         Top O.D. (in)         Mon (MD ft)         Com (MD ft)           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13,635         TOC 3400           Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           Date         Tool Type         O.D. (in)         1000         13,000           Cement Plug Summary           Date         No. Sx         O.D. (in)         Top (MD ft)         Bottom (MD ft)         Comm           Date         No. Sx         0.D. (in)         Top (MD ft)         Comm         Comm           Perforation Summary         5.500         12,965         13,000         Comm           Perforation Summary         Isolated         Morrow         13,040         (MD ft)           Isolated         Morrow         13,040         TOP         (MD ft)         (MD ft)           VATES         3,210         Camulation         S,580         EUAWARE         5,580           BONE SPRING         8,160	irc 612 sx ' by CBL Bottom (MD ft) (MD ft) (M
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Corr           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13.635         TOC 3400           Tool Type         O.D. (in)         I.D. (in)         Top (MD ft)           Date         Tool Type         O.D. (in)         0.000         13,000           Cement Plug Summary         Date         No. Sx         O.D. (in)         Top (MD ft)         Comm           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm         Comm           Perforation Summary         5.500         12,965         13,000         Verform         (MD ft)           Open         Wolfcamp         11,206         (MD ft)         (MD ft)         (MD ft)           Open         Wolfcamp         11,206         (MD ft)         (MD ft)         (MD ft)           Open         Wolfcamp         11,206         (MD ft)         (MD ft)         (MD ft)         (MD ft)           VATES         3,210	irc 612 sx ' by CBL Bottom (MD ft) (MD ft) (M
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Corr           8/3/2006         1,040         13.375         0         1,390	irc 612 sx ' by CBL Bottom (MD ft) (MD ft) (M
C         Date         No. Sx         Csg. O.D. (in)         Top (MD ft)         Bottom (MD ft)         Corr           8/3/2006         1,040         13.375         0         1,390           8/12/2006         1,460         9.625         0         4,820         1460 sx, c           9/14/2006         2,050         5.500         3,400         13.635         TOC 3400           Tools/Problems Summary         O.D. (in)         I.D. (in)         Top (MD ft)         Top (MD ft)           Date         Tool Type         O.D. (in)         0.000         13,000           Cement Plug Summary         Date         No. Sx         O.D. (in)         Top (MD ft)         Comm           Date         No. Sx         O.D. (in)         Top (MD ft)         Comm         Comm           Perforation Summary         5.500         12,965         13,000         (MD ft)         (MD ft)           Open         Wolfcamp         11,206         (MD ft)         (MD ft)         (MD ft)           Open         Wolfcamp         11,206         (MD ft)         (MD ft)         (MD ft)           Open         Wolfcamp         11,3040         Strawn         Strawn         3,210         Strawn         Comments	irc 612 sx ' by CBL Bottom (MD ft) (MD ft) (M

## *Received by OCD: 7/10/2025 9:37:45 AM* Last Updated: 5/12/2025 11:47 AM

Field Name	e				Lease	Nan	ne			V	Vell No.	C	ounty		Stat	e			API No	0.	
Tonto, Wolf		n			Laguna			t			09	Le	-			Mexi	CO			376860	000
Version		•	n Tag		Lagan					•				Spud I			p. Dat		GL (ft)		KB (ft)
Version		Curren	-											-	/1/2006		12/6/20				
Section			p/Block	,		Dane	ge/Sur				ist. N/S (f		Lino		/W (ft)				otage	From	
35	195	-	J/BIUCK	<u> </u>		33E	ye/Sui	vey			•	30 FSL		Dist. E	1,980		Line	FU	olaye	FIUIII	
	193	>				SOE		14/			1,90	50 F31		ite and a	1,900					Duan	
Operator									ell Stat				La	itude		Long	gitude			Prop	NUM
Shackelford		Comp	any					Pro	oducer												
Other 1					Ot	her 2	2				Othe	• 3					Other	4			
Last Updat					I	Prep	ared E	Зу						Upda	ted By						
05/12/2025	11:4	17 AM			:	Shac	ckelfor	ł						Shack	elford						
Additional	Info	rmatic	on																		
Shackelford									e 3/1/20	025											
Change of (			pproved	d 5/9/2	2025 (Bl	_M &	(OCD)														
Hole Summ	-																				
Date	0.0	D. (in)	Тор		Bottom								Cor	nments							
8/3/2006	3 1	7.500	(MD f	0	(MD ft) 1,39	0															
8/12/2006		2.250		0	4,82																
9/12/2006		8.750		0	13,63																
				0	13,03	5															
Tubular Su	Imm	-									-	_		1							
Date		De	scripti	on		lo. ts	O.D. (	,	Wt b/ft)	Grade	Top (MD ft)		ttom D ft)	1			Co	mm	ents		
8/3/2006	Sur	face C	asing			13	13.3		48.00	H-40		)	1,39	)							
8/12/2006				ina					40.00	N-80		2	4,820								
9/14/2006				-					17.00	P-110		2	13,63								
Casing Cer				9			0.0	,00	11.00	1 110		<i>.</i>	10,000								
Casing Cer		No.	Yield	V	ol.	6.0	~	Ta	~ 1	Bottom								<u> </u>		<b>1</b> 0	
C Date		-	(ft3/sk			Csę D.D.		Toj (MD		(MD ft)	L	)escrij	puon					0	mmen	เร	
8/3/20	006		1.0		1,040		3.375	<u>(</u>	0	1,390											
8/12/20	006	1,460	1.0	0 1	,460		9.625		0	4,820					1460 s	x, ciro	: 612 s	х			
9/14/20			1.0		2,050		5.500	3	,400	13,635					TOC 3						
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Tools/Prob	lem	s Sum	marv						,	-,							,, 000				
Tools/Prob	lem		-	/pe		0	.D.	I.D			Bottom	[	Descri	ption			,,		omme	nts	
Tools/Prob Date		-	Tool Ty			(i	.D. n)	I.D (in	)	Top (MD ft)	Bottom (MD ft)	[	Descri	ption			,,		omme	nts	
		-	-		lug	(i		(in	.	Тор	(MD ft)	[	Descri	ption			,,		omme	nts	
		Cast I	Tool Ty		lug	(i	n)	(in	)	Top (MD ft)	(MD ft)	[	Descri	ption					omme	nts	
Date	ug S No	Cast I umma	ron Brid	dge Pl Top	b Bo	(i	n) 5.500 n	(in	)	Top (MD ft)	(MD ft)	[	Descri	ption					omme	nts	
Date Cement Plu	ug S	Cast I umma o. C x (	ron Brid Iry D.D. (in)	dge Pl Top (MD 1	o Bo ft) (N	(i otton ID ft	n) 5.500 n	(in	)	Top (MD ft)	(MD ft)		Descri						omme	nts	
Date Cement Plu Date	ug S No Si	Cast I umma o. C x (	Tool Ty ron Brid iry D.D. (in) 5.500	dge Pl Top (MD 1	o Bo ft) (N	(i	n) 5.500 n	(in	)	Top (MD ft)	(MD ft)		Descri						omme	nts	
Date Cement Plu Date Perforation	ug S Nc Si n Sur	Cast I umma o. C x ( mmary	Tool Ty ron Brid iry D.D. (in) 5.500	dge Pl Top (MD 1 12,	965 965	(i otton <u>AD ft</u> 13,0	n) 5.500 n :) :00	(in	)	Top (MD ft)	(MD ft)		Descri	Comme	nts				omme	nts	
Date Cement Plu Date	ug S Nc Si Si	Cast I umma o. C x ( mmary Perf	Tool Ty ron Bric iry D.D. (in) 5.500 / . Status	dge Pl Top (MD 1 12, s	965 F() (M 965	(i otton <u>AD ft</u> 13,0	n) 5.500 n	(in	)	Top (MD ft)	(MD ft)		Descri	Comme					omme	nts	
Date Cement Plu Date Perforation C Date	ug S Nc Si Su	Cast I umma o. C x ( mmary	Tool Ty ron Brid Iry D.D. in) 5.500 / . Status d	dge Pl Top (MD 1 12, s	965 Ft) (N 965 Ft Aorrow	(i otton <u>AD ft</u> 13,0	n) 5.500 n :) :00 ation	(in 0	.000	Top (MD ft) 13,000	(MD ft) 0		Descri	Comme	nts	6	- 	C(	omme	nts	
Date Cement Plu Date Perforation C Date	ug S Nc Si n Sur	Cast I umma o. C x ( mmary Perf	Tool Ty ron Brid ny D.D. in) 5.500 / . Status d Bottoi	dge Pl Top (MD 1 12, s N m	965 F() (M 965	(i otton <u>AD ft</u> 13,0	n) 5.500 n :) :00 ation	(in 0	.000	Top (MD ft)	(MD ft) 0		Descri	Comme	nts	6	- 	C(	omme	nts	
Date Cement Plu Date Perforation C Date Top (MD ft	ug S Nc Si Su	Cast I umma o. C x ( mmary Perf solated	Tool Ty ron Brid ny D.D. in) 5.500 / Status d Botton (MD fi	dge Pl <b>Top</b> (MD 1 12, s N m t)	965 From Morrow	(i otton <u>AD ft</u> 13,0	n) 5.500 n :) :00 ation	(in 0	.000 Phasi	Top (MD ft) 13,000	(MD ft) 0			Comme	nts mments	s I Com	iments	C (		nts	
Date Cement Plu Date Perforation C Date Top (MD ft	ug S Nc S 1 Sui 1 Sui	Cast I umma o. C x ( mmary Perf solated	Tool Ty ron Brid iny D.D. in) 5.500 / Status d Botton (MD fi	Top           (MD 1           12,           s           k           N           m           t)           13,050	Bo           ft)         (N           965         Fe           Aorrow         SPF           0         SPF	(i otton <u>AD ft</u> 13,0	n) 5.500 n :) :00 ation	(in 0 0 0 0 0 0 0 0 0 0 0 0 0	.000 Phasi	Top (MD ft) 13,000	(MD ft) 0	/-1/2%	Gas V	Comme Co Co	nts mments Interva	s I Com d w/ 7	iments % KCl	<b>C</b>	ter	nts	
Date Cement Plu Date Perforation C Date MD ft	ug S Nc Sz N Su 13,04	Cast I umma o. C x ( Perf solated 40	Tool Ty ron Brid ry D.D. (in) 5.500 / Status d Bottor (MD fr	dge Pl Top (MD 1 12, s M t) 13,050 13,122	Bc           ft)         (M           965         Fc           Morrow         SPF           2         2	(i otton AD ft 13,0 orma	n) 5.500 n :) :00 ation	(in 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.000 Phasi	Top (MD ft) 13,000	(MD ft) 0	/-1/2%	Gas V	Comme Co Vell Acid	nts mments Interva	s I Com d w/ 7	iments % KCl	<b>C</b>	ter	nts	
Date Cement Plu Date Perforation C Date Top (MD ft	ug S No S 1 Sun 13,04 13,11 13,11	Cast I umma o. C x ( Perf solated 40 17 69	ron Brid ry D.D. in) 5.500 / . Status d Botton (MD ff	dge Pl (MD 1 12, s k) 13,050 13,122 13,190	Bc           ft)         (N           965         Fc           Aorrow         SPF           0         2           3         S	(i otton MD ft 13,0 orma F 6 6 6	n) 5.500 n :) :00 ation	(in 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.000 Phasi	Top (MD ft) 13,000	(MD ft) 0 1500 gal 7 750 gal 7-	7-1/2% 1/2% (	Gas V Gas W	Comme Co Vell Acid	nts mments Interva Flushee	s I Com d w/ 7 w/ 79	iments % KCl 6 KCL	Co S - wa	ter er		
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Received by OCI	U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 06/05/2025
	Well Name: LAGUNA DEEP	Well Location: T19S / R33E / SEC 35 / NWSE / 32.6148239 / -103.6317885	County or Parish/State: LEA / NM
	Well Number: 09	<b>Type of Well</b> : CONVENTIONAL GAS WELL	Allottee or Tribe Name:
	Lease Number: NMNM27572	Unit or CA Name:	Unit or CA Number:
	US Well Number: 3002537686	<b>Operator:</b> SHACKELFORD OIL COMPANY	

**Notice of Intent** 

Sundry ID: 2854387

Type of Submission: Notice of Intent

Date Sundry Submitted: 05/23/2025

Date proposed operation will begin: 07/07/2025

Type of Action: Recompletion

Page 10 of 37

Time Sundry Submitted: 09:11

Procedure Description: RIH SET CIBP AT 11156 - PUMP 42 SXS Class H CEMENT PLUG - WOC / TAG CEMENT @ 10815' -PRESSURE TEST CASING RIG UP WIRELINE AND PERFORATE FOLLOWING INTERVALS 9342-9350 9361-9384 9390-9400 RIH W/ TUBING AND PACKER - ACIDIZE - SWAB TEST EVALUATE TO POSSIBLY FRAC

**Surface Disturbance** 

Is any additional surface disturbance proposed?: No

NOI Attachments

**Procedure Description** 

Laguna9.wellboreschematic.proposed\_20250522141952.pdf

Laguna9.wellboreschematic.current\_20250522141937.pdf

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Received by OCI	): WINNERS: LAGUMA DEEP	Well Location: T19S / R33E / SEC 35 / NWSE / 32.6148239 / -103.6317885	County or Parish/State: LEA / NM	<b>Page 11 of 37</b>
	Well Number: 09	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:	
	Lease Number: NMNM27572	Unit or CA Name:	Unit or CA Number:	
	US Well Number: 3002537686	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: MAY 22, 2025 02:10 PM

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 MARQUEZStreet Address: 3212 N ENTERPRISE DRCity: HOBBSState: NMPhone: (575)405-1334Email address: amarquez201953@gamil.com

**Zip:** 88240

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

# Received by OCD: 7/10/2025 9:37:45 AM

Received by OCD: 7/1	0/2025 9:	37:43 AM				Page 12 of
Form 3160-5 (June 2019)	DEF	UNITED STATES ARTMENT OF THE INTE	RIOR		E	FORM APPROVED OMB No. 1004-0137 xpires: October 31, 2021
	BUR	EAU OF LAND MANAGE	MENT		5. Lease Serial No.	NMNM27572
Do not	use this f	IOTICES AND REPORTS form for proposals to dr Use Form 3160-3 (APD)	ill or to r	e-enter an		e Name
		TRIPLICATE - Other instruction			7. If Unit of CA/Agreement,	Name and/or No.
1. Type of Well					8. Well Name and No.	
Oil Well	✓ Gas V	Vell Other			LAGUNA DEEP/09	
		D OIL COMPANY			9. API Well No. 300253768	
3a. Address 11417 W C	OUNTY RO	AD 33, MIDLAND, TX 797 3b. Pl (432)	hone No. <i>(ind</i> ) 682-9784	clude area code	<ul> <li>P) 10. Field and Pool or Explor</li> <li>WILDCAT;WOLFCAMP/WILDCA</li> </ul>	
4. Location of Well (Foota SEC 35/T19S/R33E/N	-	.,M., or Survey Description)			11. Country or Parish, State LEA/NM	
	12. CHE	CK THE APPROPRIATE BOX(ES	S) TO INDIC	ATE NATURE	C OF NOTICE, REPORT OR O	THER DATA
TYPE OF SUBMIS	SION			TY	PE OF ACTION	
✓ Notice of Intent		Acidize	Deepen Hydraul	ic Fracturing	Production (Start/Resume	Water Shut-Off
Subsequent Report		Casing Repair Change Plans		nstruction Abandon	<ul><li>✓ Recomplete</li><li>✓ Temporarily Abandon</li></ul>	Other
Final Abandonmen	t Notice	Convert to Injection	Plug Ba		Water Disposal	
completed. Final Abar is ready for final inspe RIH SET CIBP AT RIG UP WIRELINI 9342-9350 9361-9384 9390-9400	ndonment No ction.) 11156 - PU E AND PER	tices must be filed only after all red IMP 25 SXS CEMENT PLUG - V FORATE FOLLOWING INTERV R - ACIDIZE - SWAB TEST	quirements, in WOC / TAG	ncluding reclan	nation, have been completed and	3160-4 must be filed once testing has been the operator has detennined that the site Tag at 10815', 42 sxs Class H
14. I have he cartify that the	foregoing is	true and correct Name (Drived/	Gun a d)			
BRADY SHACKELFOR		true and correct. Name ( <i>Printed/1</i> 2) 682-9784		Controller tle		
(Electroni Signature	c Submissic	on)	D	ate	05/22/	/2025
		THE SPACE FO	R FEDEF	AL OR ST	ATE OFICE USE	
Approved by Lon	ng Vo	200	I	Title Petr	roleum Engineer	6-5-2025 Date
	olds legal or e	hed. Approval of this notice does n equitable title to those rights in the iduct operations thereon.			Carlsbad Field 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)

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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**

#### **Location of Well**

0. SHL: NWSE / 1980 FSL / 1980 FEL / TWSP: 19S / RANGE: 33E / SECTION: 35 / LAT: 32.6148239 / LONG: -103.6317885 (TVD: 0 feet, MD: 0 feet) BHL: NWSE / 1980 FSL / 1980 FEL / TWSP: 19S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)



#### Last Updated: 5/12/2025 11:52 AM

Field Name Lease Name Well No. Tonto, Wolfcamp Laguna Deep Unit 009 County State API No. New Mexico 30025376860000 Lea Version Version Tag 2 PROPOSED KB (ft) Township/Block Range/Survey GL (ft) Section 35 19S 33F Operator Well Status Latitude Longitude Shackelford Oil Company Producer Dist. N/S (ft) N/S Line Dist E/W (ft) E/W Line Footage From 1980 FSL 1980 FEL Spud Date Prop Num Comp. Date 8/1/2006 12/6/2006 Additional Information Shackelford acquired from Cimarex/Coterra Energy effective 3/1/2025 Change of Operator approved 5/9/2025 (BLM & OCD) Other 4 Other 1 Other 2 Other 3 Updated By Prepared By Last Updated Shackelford Shackelford 5/12/2025 11:52 AM Hole Summary O.D. (in) Comments Date Top Bottom (MD ft) (MD ft) 8/3/2006 17.500 1.39 8/12/2006 12.250 4,820 9/12/2006 8.750 13,635 Tubular Summary Date Description 0.D. Wt Grade Тор Bottom (in) (lb/ft) (MD ft) (MD ft) 8/3/2006 Surface Casing 13.37 48.00 H-40 1,390 8/12/2006 Intermediate Casing 9.62 40.00 N-80 4.820 9/14/2006 13,635 Production Casing 5.500 17.00 P-110 Casing Cement Summary Date Bottom Comments No. Csg. Top O.D. (in) (MD ft) (MD ft) Sx 8/3/2006 1.040 13.375 1.39 8/12/2006 1,460 9.625 4,820 1460 sx, circ 612 sx 9/14/2006 2,050 5.500 3,400 13,635 TOC 3400' by CBL Tools/Problems Summary Date Tool Type I.D. Bottom O.D. Тор (in) (in) (MD ft) (MD ft) CIBP 5.500 0.00 11,156 CIBP 5.500 0.000 13.000 Cement Plug Summary Top (MD ft) Date No. O.D. Bottom Comments Sx (in) (MD ft) 5,500 12,965 13,000 Perforation Summary Date Perf. Status OA Top (MD ft) OA Bottom Shots Formation (MD ft) Open 9.34 9.40 Wolfcamp 11,215 Open 11,206 54 solated Morrow 13,040 13,338 354 Formation Tops Summary Formation Comments Тор (TVD ft) YATES 3,210 CAPITAN 3.65 DELAWARE 5.580 BONE SPRING 8,160 Wolfcamp 11,02 12,140 Strawn ΑΤΟΚΑ 12,328 Morrow 12.940 BARNETT 13,512

#### *Received by OCD: 7/10/2025 9:37:45 AM* Last Updated: 5/12/2025 11:52 AM

Operator         Well Status         Latitude         Longitude         Prop Num           Secolario Of Company         Other 2         Other 3         Other 4         Image: Company 1         Differ 4         Image: Company 1<	Lasi U		cu				1.52 A														
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91/2000 0 7.50																					
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Jus         Jus         (ID/T)         (MD T)         (MD T)           61/22006         13.37         9.023         40.00         4.320           91/22006         No.         Yittable         9.023         40.00         4.320           201/22006         No.         Yittable         Vittable         Vittable<	Tubular S	umma	ry	•																	
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8/12/2008     Interval Casing     9.922     40.00     N=0     4.820       9/14/2008     Interval Commany     5.600     17.00     P-110     0     13.835       2     Date     No.     (Mt0sk)     (Mo     0.02, (int)     (MD N)     Description     Comments       8/12/2008     I.640     1.040     1.3.375     0     1.960     Interval Comments       9/14/2008     I.640     1.040     1.3.632     Interval Comments     TOC 3400* by CBL       9/14/2008     I.640     1.040     1.3.632     Interval Comments     TOC 3400* by CBL       9/14/2008     I.640     0.626     0.430     1.3.632     Interval Comments       9/14/2008     I.640     0.626     0.400     1.620     Interval Comments       0ds/Problems     Summary     Date     ToO Type     0.000     Interval Comments       Cast Iron Bridge Plug     5.500     0.000     Interval Comments     Comments       Tool     12.968     13.000     Comments     Comments       Part Status     Formation     Comments     Comments       Toop     MD Ty     Botom     SPF     Shot     Phasing (deg)     Interval Comments       Interval Comments     Formation     Comments     Gomme	8/2/200	65		asing		Jts		<u> </u>		<u>н</u> ио	(M	-	<u> </u>	,							
9142 2008         Production Casing         5.501         17.00         P-110         q         13.838           Date         Ns.         (Trick N         (MD r)         Description         Comments           8/3/2006         1.400         1.00         1.400         1.300         Incoments         Comments           8/3/2007         1.400         1.00         1.400         9.625         (U         4.820         1460 sx, circ 612 sx           8/3/2008         1.400         1.00         1.400         1.00				-	חמ						_										
Dasing Coment Summary         Description         Comments           2         Date         No.         Yittlakk (Not)         C.G., (MD r)         W(D r)         Description         Comments           8/2/2002 [1.640         1.00         1.640         6.62.0         (4.200         1.460         s.2.7           9/14/2003 [2.650         1.00         2.650         5.500         3.402         13.632         TOC 3400* by CBL           20de/Problems Summary         Date         To To Type         (in)         (in)         (in)         0.000         1.60         0           Cast Iron Bridge Plug         5.500         0.000         13.000         0         0         0           Perforation Summary         Date         No.         (in)         (MD ft)         (MD ft)         Comments         0         0           Perforation Summary         Sodo         12.061         13.000         Comments         0         0         0         0           Perforation Summary         Sodo         12.061         Sodo         12.061         Sodo         0         0         0         0         0         0         0         0         0         0         0         0         0         0					-	-					_	-									
2         Date         No.         Vield         Voi.         Corg. (MD P)         Operation         Description         Comments           8/12/2006         1.440         1.00         1.040				-		1				110	1	0		.,555							
Sx         (H3 ot 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	-				Vol		Csa.	Tor	0	Bottom		De	scrinti	on					Comme	nts	
8/12/2008       1.460       1.00       1.460       9.625       0       4.820       1460 ax, circ 612 ax         9/14/2008       2.056       1.00       2.050       5.500       3.400       13.635       TOC 3400' by CBL         Ools/Problems Summary       0       0.000       11,159       0       0       Comments         Cast Iron Bridge Plug       5.500       0.000       11,159       0       0       Comments         Pate       No.       (m)       (MD ft)       (MD ft)       Comments       Comments         Pate       No.       (MD ft)       (MD ft)       (MD ft)       Comments       Comments         Perforation Summary       2       Date       Formation       Comments       Comments         Perforation Summary       2       Date       Formation       Comments       Comments         Perforation Summary       0       Stots       Phasing (deg)       Interval Comments       Comments         11.206       11.218       6       54       5000 gal 28% NeFe Acid, flushed w/ 2% KCL water       2         12.001       Interval Comments       Comments       Comments       Comments       2         12.011       13.026       6       6 <td></td> <td></td> <td>Sx</td> <td>(ft3/sk)</td> <td>(ft3)</td> <td>о.</td> <td>D. (in)</td> <td></td> <td>ft)</td> <td>(MD ft)</td> <td></td> <td></td> <td>201101</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			Sx	(ft3/sk)	(ft3)	о.	D. (in)		ft)	(MD ft)			201101								
9/14/2008       2.050       1.00       2.050       5.500       3.400       13.835       TOC 3400° by CBL         Oods/Problems Summary         Date       Tool Type       C.D.       I.D.       Oth Type       Comments         Cast Iron Bridge Plug       5.500       Comments         Cast Iron Bridge Plug       S.500       Comments         Comments         Comments         Comments         Comments         Sx.       Control MOR N       Comments         Commany         Commany         Commany         Commany         Commany         Commany         Commany         Commans         Comments         Comments         Comments         Commation       Comments         Commation       Comments         Commation       Comments         Comments																					
Ools/Problems Summary         Co.D. (m)         L.D. (m)         L.D. (m)         Cop (MD ft)         Extra constraints           Cast Iron Bridge Plug         5.500         0.000         11.156         0         Cost Iron Bridge Plug         5.500         0.000         13.000         0         0           Cast Iron Bridge Plug         5.500         0.000         13.000         0									-												
Date         Tool Type         O.D. (m)         I.D. (m)         Top (MD ft)         Bettom (MD ft)         Description         Comments           Cast Iron Bridge Plug         5.500         0.000         13.000         0 <td></td> <td></td> <td>•</td> <td></td> <td>2,05</td> <td>0</td> <td>5.500</td> <td>3</td> <td>,400</td> <td>13,63</td> <td>5</td> <td></td> <td></td> <td></td> <td>1</td> <td>OC 3</td> <td>400' b</td> <td>y CBL</td> <td></td> <td></td> <td></td>			•		2,05	0	5.500	3	,400	13,63	5				1	OC 3	400' b	y CBL			
Image: construct from Bridge Plug		blems		-																	
Cast Iron Bridge Plug         5.500         0.000         11,155         0           Cast Iron Bridge Plug         5.500         0.000         13,000         0           Cast Iron Bridge Plug         5.500         0.000         13,000         0           Cast Iron Bridge Plug         0.000         13,000         0         0           Cast Iron Bridge Plug         5.500         12,965         13,000         0           Part Status         Formation         Comments         Comments           Open         Wolfcamp         Not         Formation         Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           11.206         11.215         6         54         5000 gal 28% NeFe Acid, flushed wi 2% KCL water           12.006         11.216         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed wi 7% KCL water           13.117         13.206         6         1500 gal 7-1/2% Gas Well Acid, Flushed wi 7% KCL water           13.117         13.228         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed wi 7% KCL water           13.318         13.328         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed wi 78 bbl 7% KCL wa	Date			Tool Ty	be								De	scrip	otion				Comme	ents	
Cast Iron Bridge Plug         5.500         0.000         13,000         q           Date         No.         O.D.         Top         Isotom         Comments           Date         No.         O.D.         Top         Isotom         Comments           Perforation         Social         13,000         Comments         Comments           Open         Wolfcamp         Phasing (deg)         Interval Comments           Top         Bottom         SPF         Shots         Phasing (deg)         Interval Comments           I1,206         11.215         6         54         5000 gal 28% NeFe Acid, flushed wi 2% KCL water           Date         Perf. Status         Formation         Comments         Comments           I1,206         11.215         6         54         5000 gal 7-1/2% Gas Well Acid, flushed wi 7% KCL water           13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed wi 7% KCL water           13,171         13,122         6         102         2000 gal 7-1/2% Gas Well Acid, Flushed wi 7% KCL water           13,273         13,280         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed wi 7% KCL water           13,318         13,338         6         120		+ (	Cast	Iron Brid	ge Plug		· /		,	, ,											
Cament Plug Summary         Date         No. (in)         Top (in)         Bottom (in)         Bottom (in)         Comments           2         5.500         12,965         13,000         Comments         Comments           2         Date         Perf. Status         Formation         Comments           2         Date         Perf. Status         Formation         Comments           0pen         Wolfcamp         Interval Comments         Interval Comments           11.206         11.215         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           2         Date         Perf. Status         Formation         Comments           isolated         Morrow         Interval Comments           isolated         Morrow         Interval Comments           13.040         13.050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.17         13.122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.273         13.280         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78 bbl 7% KCL water           13.318         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						+						0									
Sx         (m)         (MD rt)         (MD rt)           2.5.00         12,965         13,000           Perforation Summary         Formation         Comments           Open         Wolfcamp         Interval Comments           Top (MD rt)         Bottom (MD rt)         SPF         Shots         Phasing (deg)         Interval Comments           11,208         11,215         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           2         Date         Perf. Status         Formation         Comments           11,208         11,215         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           11,208         11,215         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           12,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,147         13,228         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,217         13,280         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           10,0Peri         Formation	Cement P										1	I									
5.500         12,965         13,000           Perforation Summary         Formation         Comments           Open         Wolfcamp         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,217         13,238         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,318         13,338         120         2	Date														Comment	s					
Date         Perf. Status         Formation         Comments           Open         Wolfcamp         Interval Comments           Top (MD ft)         Bottom         SPF         Shots         Phasing (deg)         Interval Comments           11.206         11.215         6         54         5000 gal 28% NaFe Acid, flushed w/ 2% KCL water           2         Date         Perf. Status         Formation         Comments           isolated         Morrow         Interval Comments         Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           13.040         13.050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.117         13.122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.273         13.280         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78. KCL water           13.318         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78. KCL water           13.319         13.280         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78. KCL water           13.49         13.280         6         120 <t< td=""><td></td><td>Sx</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		Sx																			
Date         Perf. Status         Formation         Comments           Open         Wolfcamp         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           11.206         11.215         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           2         Date         Perf. Status         Formation         Comments           * solated         Morrow         -         Comments           13.040         13.050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.117         13.122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.16         13.196         6         102         -         -           13.161         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.318         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           13.318         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           9.342         9.350         Promation         Perf. Status         Perecomments	Parforatio	n 9~			12,965	1 1:	3,000														
Open         Wolfcamp         Interval Comments           YMD fty         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           11.206         11.215         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           2         Date         Perf. Status         Formation         Comments           isolated         Morrow         Comments         Comments           13.040         13.050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.107         13.122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.117         13.122         6         42         1000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.123         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.273         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.318         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13.318         13.338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           9.342         9.350         Perf				-		For	mation		<u> </u>						C	ment					
Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           11.206         11.216         6         54         5000 gal 28% NeFe Acid, flushed w/ 2% KCL water           Date         Perf. Status         Formation         Comments           isolated         Morrow         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,128         6         102         13,280         6         42           13,169         13,280         6         42         1000 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.bbl 7% KCL water           9,341         9,344         Pormation         Comments         Comments           9,341				Jiaius			mation		-						0011	mente					
(MD ft)         <	Ton			Botton			Sh	ots	Pha	sina (dea	0				In	terva	Com	ments			
Date         Perf. Status         Formation         Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,169         13,196         6         102            13,273         13,280         6         42         1000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water           0pen         Comments           0pen         Comments           0pen         9,342         9,350         PROPOSED           9,342         9,350         PROPOSED         PROPOSED           9,380         9,400         PROPOSED         Soto     <	(MD f	ft)		(MD ft)	)																
Isolated         Morrow         Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,127         13,280         6         42         1000 gal 7-1/2% Gas Well Acid, Flushed w/ 78 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78.5 bbl 7% KCL water           13,318         13,338         6         120         2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water           13,328         Ø         Port Motify         Motify         Motify         Motify           100pen         SPF         Shots         Phasing (deg)					1,215		-	54			5000	0 gal 28	% NeF	e Aci				water			
Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,169         13,196         6         102	C Date						mation								Com	ments	3				
(MD ft)         (MD ft)         Image: Constraint of the symbol of the s			olate																		
13,040         13,050         6         60         1500 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,117         13,122         6         30         750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water           13,169         13,196         6         102						SPF	Sh	ots	Phas	sing (deg	1)				In	terva	Com	ments			
13,117       13,122       6       30       750 gal 7-1/2% Gas Well Acid, Flushed w/ 7% KCL water         13,169       13,196       6       102         13,273       13,280       6       42       1000 gal 7-1/2% Gas Well Acid, Flushed w/ 78 bbl 7% KCL water         13,318       13,338       6       120       2000 gal 7-1/2% Gas Well Acid, Flushed w/ 78 bbl 7% KCL water         13,318       13,338       6       120       2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water         0pen       Comments       Comments       Comments         0pen       Formation       Comments         9,342       9,350       PROPOSED         9,343       9,384       PROPOSED         9,340       9,384       PROPOSED         9,390       9,400       PROPOSED         9,390       9,400       PROPOSED         9,390       9,400       PROPOSED         9,390       9,400       PROPOSED         9,391       9,360       PROPOSED         9,392       9,400       PROPOSED         0       9,390       9,400         Valtar       3,650         0       9,360       9,861         0       9,861 <td< td=""><td></td><td></td><td>0</td><td><u> </u></td><td></td><td></td><td>6</td><td>60</td><td></td><td></td><td>1500</td><td>0 gal 7-</td><td>1/2% G</td><td>as W</td><td>ell Acid, F</td><td>lushe</td><td>d w/ 7</td><td>% KCL</td><td>water</td><td></td><td></td></td<>			0	<u> </u>			6	60			1500	0 gal 7-	1/2% G	as W	ell Acid, F	lushe	d w/ 7	% KCL	water		
13,169       13,196       6       102         13,273       13,280       6       42       1000 gal 7-1/2% Gas Well Acid, Flushed w/ 78 bbl 7% KCL water         13,318       13,338       6       120       2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water         Open       Comments       Comments       Comments         0pen       0       PROPOSED       Interval Comments         9,342       9,350       PROPOSED       PROPOSED         9,342       9,384       PROPOSED       PROPOSED         9,340       9,384       PROPOSED       PROPOSED         9,390       9,400       PROPOSED       PROPOSED         9,390       9,400       PROPOSED       PROPOSED         6       3,210       Comments       Comments         CATES       3,210       Comments       Comments         CATES       3,210       Standard       Standard         VOIF Camp       11,025       Standard       Standard         Volframp       12,140       12,140       Standard		'										-									
13,318       13,338       6       120       2000 gal 7-1/2% Alcoholic Acid, Flushed w/ 78.5 bbl 7% KCL water         Date       Perf. Status       Formation       Comments         Open       SPF       Shots       Phasing (deg)       Interval Comments         0       Bottom (MD ft)       SPF       Shots       Phasing (deg)       Interval Comments         9,342       9,350       ProposeD       PROPOSED       PROPOSED         9,361       9,384       ProposeD       PROPOSED         9,361       9,384       ProposeD       PROPOSED         9,390       9,400       PROPOSED       PROPOSED         6       Top(TVD ft)       Comments       Comments         Formation Top Summary       Top(TVD ft)       Comments         CATES       3,210       Status       Status         CATES       3,210       Status       Status       Status         VELAWARE       5,580       Status       Status       Status       Status         Volfcamp       11,025       Status       Status       Status       Status       Status															•						
Date         Perf. Status         Formation         Comments           Open           Interval Comments           Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           9,342         9,350           PROPOSED           9,361         9,384          PROPOSED           9,390         9,400          PROPOSED           9,390         9,400          PROPOSED           9,390         9,400          PROPOSED           Gormation Top Summary          PROPOSED           Formation Name         Top(TVD ft)         Comments           CATES         3,210            CATES         3,210            CATES         3,210            CATES         3,210            CAPITAN         3,650            VELAWARE         5,580            VOIF camp         11,025            Warwn         12,140		13,27	3	1	3,280		6	42			1000	0 gal 7-	1/2% G	as W	ell Acid, F	lushe	d w/ 7	8 bb  7%	6 KCL w	ater	
Open         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           9,342         9,350         PROPOSED         PROPOSED           9,361         9,384         PROPOSED         PROPOSED           9,361         9,384         PROPOSED         PROPOSED           9,390         9,400         PROPOSED         PROPOSED           9,390         9,400         PROPOSED         PROPOSED           6ormation Top Summary         PROPOSED         PROPOSED           Formation X         Top(TVD ft)         Comments           CATES         3,210         Comments           CAPITAN         3,650         Strawn           Volfcamp         11,025         Strawn		13,31	8	1	3,338		6	120			2000	0 gal 7-	1/2% A	coho	lic Acid, F	ushe	d w/ 7	8.5 bbl 7	7% KCL	water	
Top (MD ft)         Bottom (MD ft)         SPF         Shots         Phasing (deg)         Interval Comments           9,342         9,350         PROPOSED         PROPOSED           9,361         9,384         PROPOSED           9,390         9,400         PROPOSED           ormation Top Summary         PROPOSED           Formation Name         Top(TVD ft)         Comments           CATES         3,210           CATES         3,210           CATES         3,210           VOIR SPRING         8,160           Volfcamp         11,025           Strawn         12,140	C Date	<b>;</b>	Per	f. Status		For	mation				1				Com	ments	6				
(MD ft)         (MD ft)         (MD ft)         PROPOSED           9,342         9,350         PROPOSED         PROPOSED           9,361         9,384         PROPOSED         PROPOSED           9,390         9,400         PROPOSED         PROPOSED           6-ormation Top Summary         PROPOSED         PROPOSED         PROPOSED           Formation Name         Top(TVD ft)         Comments         Comments           CAPITAN         3,650         PELAWARE         5,580           VOIR SPRING         8,160         VOIfcamp         11,025           Warwn         12,140         12,140         12,140		0	pen																		
9,342         9,350         PROPOSED           9,361         9,384         PROPOSED           9,390         9,400         PROPOSED           Formation Top Summary         Comments           Formation Name         Top(TVD ft)         Comments           ATES         3,210           APITAN         3,650           VELAWARE         5,580           VOR SPRING         8,160           Volfcamp         11,025           Strawn         12,140						SPF	Sh	ots	Phas	sing (deg	1)				In	terva	Com	ments			
9,361     9,384     PROPOSED       9,390     9,400     PROPOSED       Formation Top Summary     Top(TVD ft)     Comments       'ATES     3,210       'ATES     3,210       'APITAN     3,650       DELAWARE     5,580       VOR SPRING     8,160       Volfcamp     11,025	(MD f		2	. /			_		<u> </u>		000		<u>ר</u>								
9,390     9,400     PROPOSED       Formation Top Summary     Top(TVD ft)     Comments       ATES     3,210       CATES     3,210       CATES     3,650       DELAWARE     5,580       KONE SPRING     8,160       Volfcamp     11,025							_		<u> </u>												
Formation Top Summary     Comments       Formation Name     Top(TVD ft)     Comments       (ATES     3,210       (APITAN     3,650       DELAWARE     5,580       KONE SPRING     8,160       Volfcamp     11,025       Strawn     12,140																					
Formation NameTop(TVD ft)Comments(ATES3,210(APITAN3,650DELAWARE5,580VONE SPRING8,160Volfcamp11,025Strawn12,140	Formation				5,400		1				L L L	- 03EI	ر ر								
ATES         3,210           CATES         3,210           CATES         3,650           DELAWARE         5,580           DONE SPRING         8,160           Volfcamp         11,025           Strawn         12,140						) f+)								Cor	nmente						
CAPITAN         3,650           DELAWARE         5,580           VONE SPRING         8,160           Volfcamp         11,025           Strawn         12,140	Form	auon	INGI			- 10								COL	ments						
DELAWARE         5,580           VONE SPRING         8,160           Volfcamp         11,025           Strawn         12,140	YATES				3	3,210															
XONE SPRING         8,160           Volfcamp         11,025           Strawn         12,140	CAPITAN				3	3,650															
Volfcamp         11,025           Strawn         12,140		E			ŧ	5,580															
strawn 12,140	BONE SPF	RING			8	3,160															
	Wolfcamp				11	,025															
ITOKA 12,328	Strawn				12	2,140															
	ATOKA				12	2,328															

12,940

13,512

Morrow

BARNETT

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#### Last Updated: 5/12/2025 11:47 AM

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#### Received by OCD: 7/10/2025 9:37:45 AM Last Updated: 5/12/2025 11:47 AM

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

### **Conditions of Approval for Permanent Abandonment of a Production Zone**

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 <u>ninety (90)</u> days from the approval date of this Notice of Intent to Plug Back.

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 completed interval 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.

<u>Notification:</u> 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: <u>BLM NM CFO PluggingNotifications@BLM.GOV</u>. The Eddy County inspector on call phone, 575-361-2822, will remain active as a secondary contact.

- 2. <u>Blowout Preventers</u>: 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 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
- 3. <u>Mud Requirement:</u> 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 fresh water. Minimum nine (9) pounds per gallon.
- 4. <u>Cement Requirement</u>: 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 a minimum of 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.

- 5. <u>Casing Integrity Test:</u> The casing shall be filled with corrosion inhibited fluid above the CIBP and pressure tested to 1000 psi surface pressure with a pressure drop not more than 10 percent over 15-minute period. If the well does not pass the casing integrity test, then the operator shall either repair the casing and re-test or within 30 days submit a procedure to plug and abandon the well.
- 7. <u>Subsequent Plug back Reporting:</u> Within 30 days after plug back work is completed, file a Subsequent Report (Form 3160-5) or via the AFMSS 2 WISx Module to BLM. The report should give in detail the manner in which the plug back 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. <u>Show date zone was plugged</u>. After plugging back to a new zone submit a Completion Report (Form 3160-4) or via the AFMSS 2 WISx Module with the Subsequent Report. The plugged zone shall be in plug back status.

Include the following information:

- a. A well bore diagram with all perforations, CIBP's, and tops of cement on CIBP's.
- b. A description of the plug back procedure.
- c. A clear copy or the original of the pressure test chart.
- d. A copy of any logs ran.
- 8. <u>Trash:</u> 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.
- If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1<sup>st</sup> through June 15<sup>th</sup> 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.

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Online Phone Directory Visit:

Santa Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

<u>C-102</u>	
Revised July 9, 2024	

Submit Electronically

via OCD Permitting

		Cubmittel	
		Submittal Type:	Amended Report
		-1	As Drilled
WELL LOCA	ATION INFORMATION		
	Pool Name		

API Number 30-025-37686	Pool Code 58960	Pool Name Teas, Bone Spring	
Property Code 337239	Property Name Laguna Deep Unit		Well Number 9
OGRID No. 20595	Operator Name Shackelford Oil Co		Ground Level Elevation 3593'
Surface Owner: 🗆 State 🔍 Fee 🗆	Tribal 🖉 Federal	Mineral Owner: 🗆 State 🗆 Fee 🗖 Tribal 🗶 F	ederal

		Surface Location									
	UL Section Township Range Lot					Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	J	35	1 <b>9S</b>	33E		1980 FSL	1980 FEL	32.614861	-103.631851	Lea	
2						Bottom H	ole Location				
	UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	J	35	19S	33E		1980 FSL	1980 FEL	32.614861	-103.631851	Lea	

	Dedicated Acres 40	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code	
3	Order Numbers.			Well setbacks are under Common Ownership:  Yes  No		

	Kick Off Point (KOP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	First Take Point (FTP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	· · · · · · · · · · · · · · · · · · ·				Last Take	Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	1		1		1					

Spacing Unit Type 🗆 Horizontal 🗆 Vertical

Ground Floor Elevation:

OPERATOR CERTIFICATIONS	SURVEYOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and helief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.	
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. 7/11/2025	NOVEMBER 10, 2005 Date Surveyed JR Signature & Scal Do Ului Professional, Surveyor Och	
Signature Date Brady Shackelford Printed Name	5.11/16/05	
brady@shackoil.com Einail Address	Certificate No. GARY BIDSON 12841 ROMAD 2 BIDSON 3239	
Note: No allowable will be assigned to this completion until all interes	Millio Coreccione	approved by the division.

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This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



State of New MexicoSubmit ElectronicallyEnergy, Minerals and Natural Resources DepartmentVia E-permittingOil Conservation Division1220 South St. Francis Dr. Santa Fe, NM 87505								
	N	ATURAL GA	AS MANA	GEMENT PI	LAN			
This Natural Gas Manag	gement Plan mi	ust be submitted wi	th each Applicat	tion for Permit to I	Drill (AF	PD) for a n	iew or	recompleted well.
			1 – Plan D fective May 25,					
I. Operator: Shacke	lford Oil Co		OGRID:	)595		Date: _	06 /0	05 <sub>/</sub> 2025
II. Type: 🗹 Original [	Amendment	due to 🗆 19.15.27.	9.D(6)(a) NMA	C 🗆 19.15.27.9.D(	6)(b) N	MAC 🗆 C	)ther.	
If Other, please describe	:							
<b>III. Well(s):</b> Provide the be recompleted from a s					wells pro	oposed to	be dril	led or proposed to
Well Name	API	ULSTR	Footages Anticipated Oil BBL/D		Anticipated Gas MCF/D			Anticipated roduced Water BBL/D
Laguna Deep Unit #009	30-025-37686	35-19S-33E	1980 FSL & 1980 FEL	100	100		10	
IV. Central Delivery P	oint Name:	DCP/Philips 66	Meter #7221	46-00		[See 19	9.15.2	7.9(D)(1) NMAC]
V. Anticipated Schedu proposed to be recomple						et of wells	propo	sed to be drilled or
Well Name	API	Spud Date	TD Reached Date	Completion Commencement		Initial F Back D		First Production Date
Laguna Deep Unit #009	30-025-37686	08/01/2006	09/11/2006	12/01/2006		12/06/2006	i	12/06/2006
Laguna Deep Unit #009       30-025-37686       08/01/2006       09/11/2006       12/01/2006       12/06/2006       12/06/2006         VI. Separation Equipment:								

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### <u>Section 2 – Enhanced Plan</u> EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

### IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

### X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering	Available Maximum Daily Capacity
	27 J		Start Date	of System Segment Tie-in

**XI.** Map.  $\Box$  Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system  $\Box$  will  $\Box$  will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII.** Line Pressure. Operator  $\Box$  does  $\Box$  does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

 $\Box$  Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:**  $\Box$  Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

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### Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

□ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- power generation on lease; (a)
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- reinjection for underground storage; (e)
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

## Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become (a) unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas (b) capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

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#### I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: AM		
Printed Name: Brady Shackelford		
Title: Contrater		
E-mail Address: brady a Shackoil. com		
Date: 662025		
Phone: (432) 682.9784		
OIL CONSERVATION DIVISION		
(Only applicable when submitted as a standalone form)		
Approved By:		
Approved By: Title:		
Title:		
Title: Approval Date:		
Title: Approval Date:		
Title: Approval Date:		

### Shackelford Oil Company (Shackelford) Natural Gas Management Plan Section VI, VII and VIII

### VI. Separation Equipment

Separation equipment at the Laguna Deep Unit #009 facility is appropriately sized and configured to support the anticipated production volumes of oil, gas, and water. Equipment selection was based on expected reservoir performance, prior production behavior, and historical facility design parameters originally installed by the prior operator. No new vessels were added or modified for the current recompletion, and the facility remains within safe operating thresholds. The current separation system includes a vertical heater treater constructed of welded steel, with an estimated nominal capacity of 45 barrels (1,880 gallons). The vessel measures approximately 4 feet in diameter and 20 feet in height, consistent with a 4x20 standard heater treater. The vessel performs three-phase separation and supports adequate retention time to ensure efficient gas-liquid separation under typical flow conditions for this site.

The operator ensures that the existing equipment remains compliant with all performance and environmental requirements. These regulations require that facilities evaluate failure scenarios, discharge rates, and volume predictions, and implement preventive design strategies to minimize environmental risk. The facility's separation system was installed with conservative engineering assumptions and continues to operate under safe throughput limits.

Shackelford Oil Co. will monitor the performance of this separation equipment on a routine basis and will reassess capacity if future production behavior deviates significantly. No modifications are currently required, and the vessel remains within original design specifications. Following the recompletion, the equipment, well, and associated surface facility will be subject to regular inspections using both Optical Gas Imaging (OGI) and Audio-Visual-Olfactory (AVO) methods to ensure proper operational control, leak detection, and compliance with 19.15.27.8 NMAC.

Use of vessel	Heater Treater 4 x 20
Nominal Capacity (bbl.)	45
Nominal Capacity (gal)	1880
Direction of Flow	South
Nominal Diameter (Ft.)	4
Nominal Height (ft.)	20
Type of Vessel	Welded
Material	Steel
Тор	Closed
Foundation	Earthen Materials

Table 1. Separator Specifications

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Figure 1. Vertical Heater Treater

### **VII.** Operational Practices

Below is a description of the standard practices Shackelford takes to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

- A. Shackelford recognizes that venting and flaring constitute waste and is committed to maximizing natural gas recovery and minimizing atmospheric release, as required by 19.15.27.8(A) NMAC. The facility does not engage in routine venting or flaring and operates in accordance with the exceptions outlined in Subsections B, C, and D of 19.15.27.8 NMAC.
  - a. Rule Excerpt: Venting and flaring during drilling, completion, or production operations constitute waste and is prohibited except as authorized in Subsections B, C, and D of 19.15.27.8 NMAC. During these operations, the operator will flare natural gas rather than vent it unless flaring is technically infeasible or poses a greater risk to safe operations or personnel safety, in which case venting is allowed as a safer alternative.
- B. Shackelford has a general practice to capture or combust natural gas during drilling operations if technically feasible, using best industry practices and control technologies. Shackelford is currently not conducting any drilling operations.
  - a.Rule Excerpt: A flare stack must be located at least 100 feet from the nearest surface hole location, must be enclosed, and must be equipped with an automatic ignition system or continuous pilot. In the event of an emergency or malfunction, the operator may vent natural gas only to avoid the risk of an immediate and substantial adverse impact on safety, public health, or the environment, and must report any natural gas

vented or flared during such events in accordance with Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

- C. Shackelford will manage produced natural gas during completion and recompletion operations to minimize emissions. A recompletion of the well Laguna Deep Unit #009 is expected, and the operator will flow back fluids and gas into the existing tank battery and sales line.
  - a. <u>Rule Excerpt:</u> During initial flowback, the operator shall route flowback fluids into a completion or storage tank and commence separator operation as soon as technically feasible. During separation flowback, the operator shall capture and route natural gas to a gas flowline, collection system, reinjectit into the well, or use it on-site as a fuel or raw material substitute; if these options pose a risk to safe operations or personnel safety, natural gas may be flared with a flare stack equipped with an automatic igniter or continuous pilot. If nitrogen (N<sub>2</sub>) or hydrogen sulfide (H<sub>2</sub>S) concentrations exceed gathering pipeline specifications, the operator may flare natural gas for up to 60 days or until pipeline specifications are met, provided the flare stack is equipped with an automatic igniter or continuous pilot, gas samples are analyzed twice per week, natural gas is routed to a pipeline as soon as specifications are achieved, and all analyses and specifications are available upon request.
- D. Shackelford's well operating practices and equipment are operated to minimize venting or flaring of natural gas, unless authorized.
  - a. The facility is operating well within the design limits. While the recent recompletion added minimal flash gas from the tanks, overall well production may exceed 60,000 standard cubic feet of gas per day, with all produced gas routed to the sales line. This ensures that the facility meets capture and compliance targets without the need for flaring.
  - b. Automatic Tank Gauging (ATG) is installed and operating. The ATG is continuously monitored and alarmed if elevated fluid levels are detected.
  - c. The lease operator ensures well unloading and other authorized activities (listed below) are conducted to minimize venting and flaring.
  - d. Flare stacks will be properly sized, designed, and operated for maximum combustion efficiency; flare stacks will be equipped with automatic ignitors or continuous pilots if required. Shackelford does not currently operate a flare at this facility. However, if operational changes require the installation of a flare in the future, all flare volumes will be measured and reported in accordance with regulatory requirements. Reporting will utilize form C-129.

According to 19.15.27.8 NMAC, flaring is only permitted in specific circumstances, such as emergencies, startup conditions, or when routing gas is infeasible for safety reasons. None of these conditions apply to Shackelford's operations. Furthermore, 19.15.27.8(A) NMAC states that operators must flare rather than vent natural gas,

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except when flaring is technically infeasible or poses a risk to safe operations or personnel safety. Shackelford's facilities do not vent gas under normal or routine operations, meaning there is no uncombusted gas present that would require routing to a flare. Given the current conditions, a flare system would not provide additional environmental benefit and is not required under the applicable exemptions.

Given the facility's low-pressure design and minimal flash gas generation, installing a flare would not align with the company's commitment to environmental responsibility. Shackelford remains focused on maximizing gas capture and minimizing waste, ensuring full compliance with state regulations while avoiding infrastructure that does not contribute to improved environmental outcomes.

e. Shackelford does not perform routine venting during production operations. If venting were to occur due to emergency conditions, unscheduled maintenance, or permissible scenarios outlined under 19.15.27.8(D) NMAC, the event would be fully documented and reported using the appropriate New Mexico Oil Conservation Division (OCD) forms.

The operator shall not vent or flare natural gas except during the following activities unless prohibited by applicable state or federal law, rule, or regulation for the emission of hydrocarbons and volatile organic compounds: "(e) normal operation of a storage tank or other low-pressure production vessel, but not including venting from a thief hatch that is not fully and timely closed or from a seal that is not maintained on an established schedule".

f. To prevent fugitive emissions from tank systems and associated equipment, Shackelford performs weekly AVO inspections (audio, visual, and olfactory), as required under 19.15.27.8(E)(5)(b) NMAC. This applies to all sites producing more than 10 barrels of oil or 60 MCF of gas per day. Inspections include thief hatches, valves, closed vent systems, compressors, pressure relief devices, and associated piping, ensuring ongoing integrity of equipment and containment.

19.15.27.8(E)(5)(b) NMAC: "The operator shall conduct an AVO (audio/visual/olfactory) inspection weekly: (i) during the first year of production; and (ii) on a well or facility with an average daily production greater than 60,000 cubic feet of natural gas".

g. Rule Excerpt: The operator has a general duty during production operations to not vent or flare natural gas except as authorized. Venting or flaring is permitted if authorized by a valid federally enforceable air quality permit issued by the New Mexico Environment Department, or during emergencies or malfunctions to avoid an immediate and substantial adverse impact on safety, public health, or the environment, with notification requirements per Paragraph (1) of Subsection G. Venting is also allowed for unloading or cleaning up liquid holdup to atmospheric pressure under strict conditions: no venting after achieving stabilized rate and pressure, on-site presence during manual purging, system optimization for plunger lift or automated systems, and minimal venting during downhole maintenance using specialty equipment.

- h. Rule Excerp a delineatio are met, ar
  - h. Rule Excerpt: Operators may vent or flare during the first 12 months of production from a delineation well if the division approves the well, statewide gas capture requirements are met, and updated plans are submitted. Additionally, limited venting and flaring are allowed for specific activities such as tank gauging, liquid loading, scheduled repair and maintenance, pneumatic device operation, normal vessel operation (excluding improper thief hatch or seal maintenance), bradenhead and packer leakage tests, short production tests, and when N<sub>2</sub> or H<sub>2</sub>S concentrations exceed pipeline specifications with twice-weekly sampling and prompt routing to pipeline upon compliance.
  - i. Rule Excerpt: The operator has a general duty to design and operate separation, storage tank, and flare equipment to maximize hydrocarbon recovery and minimize natural gas losses. Completion and production separation equipment and storage tanks must be designed for maximum throughput and pressure to reduce flashing and vapor accumulation. Permanent storage tanks installed after the rule's effective date must be equipped with automatic gauging systems to minimize venting. Flare stacks must be properly sized, designed, and operated for maximum combustion efficiency; flare stacks installed or replaced after May 31, 2021, must have automatic ignitors or continuous pilots, and older flare stacks must be retrofitted within 18 months. Flare stacks at wells with less than 10 barrels of oil or 60,000 cubic feet of natural gas per day must also meet ignition requirements if replaced after the rule's effective date. New flare stacks must be securely anchored and located at least 100 feet from wells and tanks.
  - j. Rule Excerpt: The operator must perform Audio, Visual, and Olfactory (AVO) inspections to detect leaks and releases: weekly during the first year of production or for higher-producing wells, and at least monthly for lower-producing or inactive wells. Inspection records must be kept for at least five years and made available upon request. Subject to prior approval, remote or automated leak detection technology may be used in lieu of AVO inspections.
  - E. Shackelford measures and reports the volume of natural gas that is vented, flared, or beneficially used. The well that produces this tank battery currently produces greater than 10 bbl. of oil and it is only well producing to the battery. The well name and API# is.
    - Laguna Deep Unit # 009 API 30-025-37686
    - a. Rule Excerpt: The operator has a general duty to measure the volume of natural gas that is vented, flared, or beneficially used during drilling, completion, and production operations, regardless of the reason. For wells authorized by an APD issued after May 31,2021, with average daily production greater than 10 barrels of oil or 60,000 cubic feet of gas, operators must install measuring equipment, such as an orifice meter, thermal mass meter, or ultrasonic flow meter, approved by the division and compliant with recognized standards. Measuring equipment must not include a manifold allowing gas diversion around the meter except for inspection or servicing. When metering is impracticable, operators may estimate vented or flared volumes. Wells not required to

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install meters must estimate volumes based on annual gas-to-oil ratio (GOR) tests reported on Form C-116. Additional measuring equipment must be installed if the division determines existing methods are insufficient.



Figure 2. Location Plat of Laguna Deep Unit #9 – Section 35, T19S R33E, Lea County, NM from C-102 Form from New Mexico (Scale = 0.75 in =100')

### 19.15.27.8 Venting and Flaring of Natural Gas Summary

This Operational Practices Form outlines Shackelford Oil Co.'s compliance with 19.15.27.8 NMAC, specifically addressing production operations at the subject facility. A recompletion activity is scheduled, and the well is expected to exceed 10 barrels of oil or 60,000 standard cubic feet of natural gas per day—which mandates weekly AVO (Audio, Visual, and Olfactory) inspections during the first 12 months following recompletion. Venting and flaring are strictly limited and only allowed under defined exceptions, including emergencies or essential maintenance. The facility's production tanks are equipped with automated liquid-level gauging systems, significantly reducing the need to manually open hatches and thereby minimizing natural gas venting. These systems contribute to maintaining compliance with emission control and equipment performance standards.

Section	Applicability	Notes
A — General Duty	Applies	Shackelford's must maximize recovery and always minimize the release of natural gas.
B — Drilling Operations	Not applicable	Operator is <b>not drilling</b> ; no action needed.
C — Completion/Recompletion Operations	Applies	A recompletion activity is scheduled.
D — Production Operations	Applies	Operator <b>is producing</b> . Flaring is only allowed under:
	D(2) Emergency	Venting or flaring to avoid immediate risk to safety, health, or environment.
	<b>D(3)</b> Maintenance (e.g., unloading liquids, workover rigs)	Allowed if following specific procedures.
	<b>D(4)</b> Not applicable	Operator's wells are <b>not delineation</b> wells.
	<b>D(5)</b> Tests	An exception is permitted during <b>normal operation of a storage tank</b> or other low pressure production vessel.
E — Performance Standards	Applies partially	
	<b>E(1)</b> Separator design for maximum throughput and pressure.	Must verify separator design standards.
	<b>E(2)</b> Tanks must have automatic gauging systems if installed after the effective date.	Shackelford's Tanks count with Automated Gauge Tanks and with the Noralta System.

### Table 2. Venting and Flaring of Natural Gas Summary

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	E(3) & E(4) Flare design	<b>Not applicable</b> (Operator does not flare under normal operations).
	<b>E(5)</b> AVO inspections weekly during first year of production if production >10 BOPD or >60 MSCFD.	Must be monitored and documented weekly. A recompletion does trigger a "first year of production" under 19.15.27.8(E)(5) for purposes of AVO inspections.
F — Measurement	Applies if venting occurs	Operator must measure or estimate volumes if venting happens, even rarely.

#### VIII. Best Management Practices.

Shackelford Oil Company is committed to implementing the best management practices to minimize methane emissions during operations. In alignment with industry standards, the company prioritizes minimizing venting activities, recovering gas when possible, and systematically monitoring vent sources for improvements. Venting, defined as the intentional or unintentional release of gas into the atmosphere, often arises from activities such as well completions, liquids unloading, storage tanks, and compressor equipment. Venting will only occur under the exceptions permitted by 19.15.27.8 NMAC and all venting will be reported on form C-129.

The operator will maintain a detailed inventory of all venting activities and sources. At Shackelford, Automated Tank Gauges (Noralta), tank pressure monitors, and a routine leak detection and repair (LDAR) program are already in place for all tanks. Future AVO and OGI inspections will be implemented in alignment with recommendations from the OCD's Exhibit 30: Reducing Methane Emissions – Best Practice Guide (September 2020). Preventative measures include minimizing the unnecessary opening of tank hatches. Additionally, compressor seals and starter motors will be systematically monitored and maintained as part of the LDAR program.

Shackelford reinforces its compliance with 19.15.27.8(E)(5)(b) NMAC, which requires weekly AVO (audio, visual, and olfactory) inspections at facilities producing more than 60,000 cubic feet of natural gas per day. These inspections are conducted across all applicable sites and cover thief hatches, PRVs, vent systems, valves, compressors, and associated piping. To strengthen this monitoring, Shackelford also performs quarterly Optical Gas Imaging (OGI) surveys, which complement AVO by enhancing leak detection capabilities beyond sensory methods and ensuring early identification and correction of fugitive emissions. When addressing well liquids unloading, Shackelford will avoid manual atmospheric venting whenever possible. According to the United Nations CCAC Technical Guidance Document No. 7, these mitigation technologies substantially reduce emissions compared to manual atmospheric venting.

During recompletion operations, Shackelford Oil Company will implement a comprehensive set of best management practices (BMPs) to minimize methane and VOC emissions, aligned with OCD's Exhibit 30: Reducing Methane Emissions – Best Practice Guide (2020), API RP 1184, and EPA Natural Gas STAR Program guidance. Pre-job planning will identify potential venting points and ensure the

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availability of gas recovery equipment when feasible. Flowback separation equipment will be used to capture and manage gas safely during initial flow periods, with gas directed to sales or recovery systems where practical. During critical stages such as flowback, swabbing, and wellbore cleanouts, portable Optical Gas Imaging (OGI) cameras and calibrated pressure gauges will provide real-time monitoring of emissions if needed. Manual atmospheric liquids unloading will be avoided wherever possible, favoring automated unloading techniques to further reduce emissions, consistent with UN CCAC Technical Guidance Document No. 7. All recompletion-related venting will be tracked and reported per 19.15.27.8 NMAC on Form C-129. In addition, post-operation reviews will assess emission control effectiveness and identify opportunities for continuous improvement. Through systematic implementation of these practices, Shackelford Oil Company reinforces its commitment to environmental stewardship, regulatory compliance, and leadership in responsible natural gas production.

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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

Operator:	OGRID:
SHACKELFORD OIL CO	20595
11417 W County Rd 33	Action Number:
Midland, TX 79707	483624
	Action Type:
	[C-103] NOI Recompletion (C-103E)

#### CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Notify the OCD inspection supervisor via email 24 Hours Prior to beginning operations.	7/10/2025
matthew.gomez	A C-104 packet is required if, a pool is added, or perforations are added above or below existing perfs.	7/10/2025
matthew.gomez	Administrative order required for non-standard spacing unit prior to production.	7/10/2025
matthew.gomez	CBL is needed prior to operations.	7/10/2025
matthew.gomez	All conducted logs shall be submitted to the OCD.	7/10/2025
matthew.gomez	If Cement is not adequate to protect casing and isolate strata: (a) the uppermost perforation in each additional pool to at least 150 feet above that perforation; and (b) the lowermost perforation in each added pool to at least 100 feet below that perforation, the appropriate Inspection supervisor shall be consulted and remedial action conducted as directed.	7/10/2025
gcordero	Spot 25 sacks cement 12370' - 12090' - WOC & Tag - T Atoka & Strawn	7/10/2025
matthew.gomez	A C-103T completion sundry shall be submitted to the OCD reporting subsequent recompletion operations.	7/10/2025

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