

Well Name: BRINNINSTOOL UN	Well Location: T23S / R33E / SEC 21 / SENW /	County or Parish/State: LEA / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC068848	Unit or CA Name: BRINNINSTOOL UNIT	Unit or CA Number: NMNM70796A
US Well Number: 3002525553	Well Status: Producing Gas Well	Operator: COG OPERATING LLC

Notice of Intent

Sundry ID: 2774530

Type of Submission: Notice of Intent

Date Sundry Submitted: 02/12/2024

Date proposed operation will begin: 03/01/2024

Type of Action: Plug and Abandonment

Time Sundry Submitted: 07:10

Procedure Description: 1. NOTIFY BLM 24 HRS. PRIOR. 2. MIRU. SET CIBP @15,364'. CIRC HOLE WITH 10PPG BRINE. PRESSURE TEST CIBP @500 PSI FOR 30 MIN. RUN CBL. DUMP BAIL 3 SX CLASS "H" CMT FROM 15,364' – 15,329' 3. SPOT 20 SX CLASS "H" CMT @15,003' – 14,903'. (MORROW) 4. SPOT 20 SX CLASS "H" CMT @14,482' – 14,382'. (ATOKA) 5. SPOT 20 SX CLASS "H" CMT @14,090' TO 13,990'. (STRAWN) 6. SPOT 70 SX CLASS "H" CMT @12,750' – 12,237'. (WOLFCAMP/ LINER HANGER/INTER SHOE) 7. SPOT 35 SX CLASS "H" CMT @12,033' – 11,933'. (DEAN) 8. PERF & SQZ 50 SX CLASS "H" CMT @9,012' – 8,912'. WOC & TAG (4HRS. CaCl) (BONESPRINGS); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "H" CMT @9,012' – 8,912'. 9. PERF & SQZ 50 SX CLASS "C" CMT @7,083' – 6,983'. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "C" CMT @7,083' – 6,983'. 10. PERF & SQZ 110 SX CLASS "C" CMT @5,254' – 4,931'. WOC & TAG (4HRS. CaCl) (INTER SHOE/DV TOOL); IF CBL SHOWS CEMENT BEHIND CSG SPOT 70 SX CLASS "C" CMT @5,254' – 4,931'. 11. PERF & SQZ 50 SX CLASS "C" CMT @2,841' – 2,741'. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "C" CMT @2,841' – 2,741'.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Brinninstool_Unit_2_CURRENT_WBD_20240212071032.pdf
- Brinninstool_Unit_2_PROPOSED_WBD_20240212071021.pdf

Received by OCD: 3/18/2024 7:00:22 AM

Page 2 of 17

Well Name: BRINNINSTOOL UN	Well Location: T23S / R33E / SEC 21 / SENW /	County or Parish/State: LEA / NM
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US Well Number: 3002525553	Well Status: Producing Gas Well	Operator: COG OPERATING LLC

Brinninstool_UNIT_2_P_A_Procedure_20240212071008.pdf

Conditions of Approval

Specialist Review

2774530__BRINNINSTOOL_UN_2_COAs_and_PROCEDURE_20240314113851.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: RUTH SHOCKENCY

Signed on: FEB 12, 2024 07:10 AM

Name: COG OPERATING LLC

Title: Regulatory Analyst

Street Address: 600 W. ILLINOIS AVE.

City: MIDLANDState: TX

Phone: (575) 703-8321

Email address: RUTH.SHOCKENCY@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JULIO A SANCHEZ

BLM POC Title: ENGINEER

BLM POC Phone: 5752342240

BLM POC Email Address: JULIOSANCHEZ@BLM.GOV

Disposition: Approved

Disposition Date: 03/14/2024

Signature: Julio Sanchez

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.	NMLC068848
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. BRINNINSTOOL UNIT/NMNM70796A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. BRINNINSTOOL UN/2
2. Name of Operator COG OPERATING LLC		9. API Well No. 3002525553
3a. Address 600 West Illinois Ave, Midland, TX 79701	3b. Phone No. (include area code) (432) 683-7443	10. Field and Pool or Exploratory Area BRINNINSTOOL/BRINNINSTOOL
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 21/T23S/R33E/NMP		11. Country or Parish, State LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

1. NOTIFY BLM 24 HRS. PRIOR.

2. MIRU. SET CIBP @15,364. CIRC HOLE WITH 10PPG BRINE. PRESSURE TEST CIBP @500 PSI FOR 30 MIN.
RUN CBL. DUMP BAIL 3 SX CLASS H CMT FROM 15,364 15,329

3. SPOT 20 SX CLASS H CMT @15,003 14,903. (MORROW)

4. SPOT 20 SX CLASS H CMT @14,482 14,382. (ATOKA)

5. SPOT 20 SX CLASS H CMT @14,090 TO 13,990. (STRAWN)

6. SPOT 70 SX CLASS H CMT @12,750 12,237. (WOLFCAMP/ LINER HANGER/INTER SHOE)

7. SPOT 35 SX CLASS H CMT @12,033 11,933. (DEAN)

8. PERF & SQZ 50 SX CLASS H CMT @9,012 8,912. WOC & TAG (4HRS. CaCl) (BONESPRINGS); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS H CMT @9,012 8,912.

9. PERF & SQZ 50 SX CLASS C CMT @7,083 6,983. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS C CMT @7,083 6,983.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) RUTH SHOCKENCY / Ph: (575) 703-8321	Title Regulatory Analyst
(Electronic Submission) Signature	Date 02/12/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by JULIO A SANCHEZ / Ph: (575) 234-2240 / Approved	Title ENGINEER	Date 03/14/2024
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

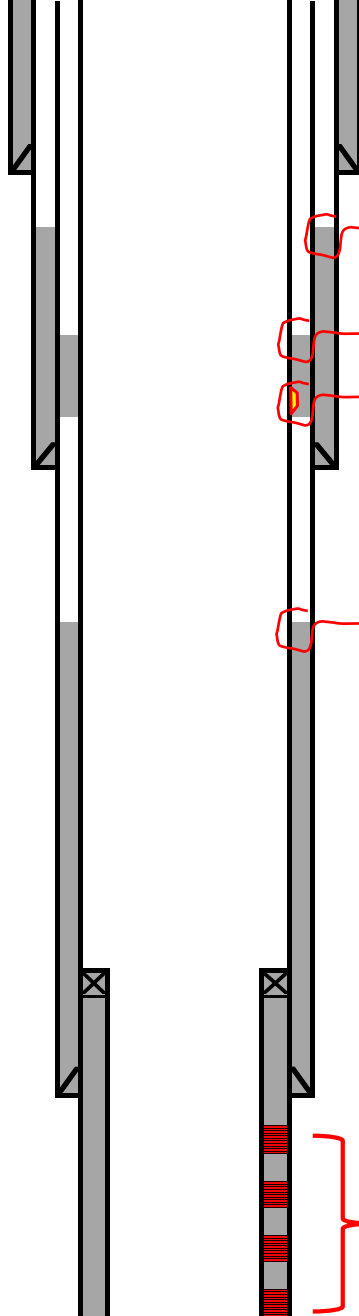
10. PERF & SQZ 110 SX CLASS C CMT @5,254 4,931. WOC & TAG (4HRS. CaCl) (INTER SHOE/DV TOOL); IF CBL SHOWS CEMENT BEHIND CSG SPOT 70 SX CLASS C CMT @5,254 4,931.
11. PERF & SQZ 50 SX CLASS C CMT @2,841 2,741. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS C CMT @2,841 2,741.

Location of Well

0. SHL: SENW / 1980 FNL / 1980 FWL / TWSP: 23S / RANGE: 33E / SECTION: 21 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)
- BHL: SENW / 1980 FNL / 1980 FWL / TWSP: 23S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Company: ConocoPhillipsAuthor: **LSG**Well Name: **Brinninstool Unit**Well No.: **2**Field: **Brinninstool Morrow**API #: **30-025-25553**County: **Lea**Location: **Sec 21 T23S R33E NMPM Lea Co, NM**State: **NM****1,980' FNL & 1,980' FWL**Spud Date: **5/27/1977**GL/KB: **3,721'/3,749'**

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	13.375'	H40	54.5	750	17 1/2	600	surf
Inter Csg	10.75	S95	51	5,195	12 1/2	1,510	1,375' by TS
Prod Csg	7.625	S95	29	12,700	8 1/2	1,420	???
Liner	5	C75	23	Top = 12,355'; Btm = 15,800'	6 1/8	500	OL@12,355'



DV tool in 7-5/8" csg @ 4,981'

13.375' csg set @ 750 with 600 cmt sx

TOC behind 10-3/4" csg @ 1,375' by TS

7-5/8" csg TOC @ ?????

DV Tool in 7-5/8" csg @ 4,981'

10.75 csg set @ 5,195 with 1,510 cmt sx

7-5/8" csg TOC @ ?????

Top of 5" csg hanger @ 12,355'

7.625 csg set @ 12,700 with 1,420 cmt sx

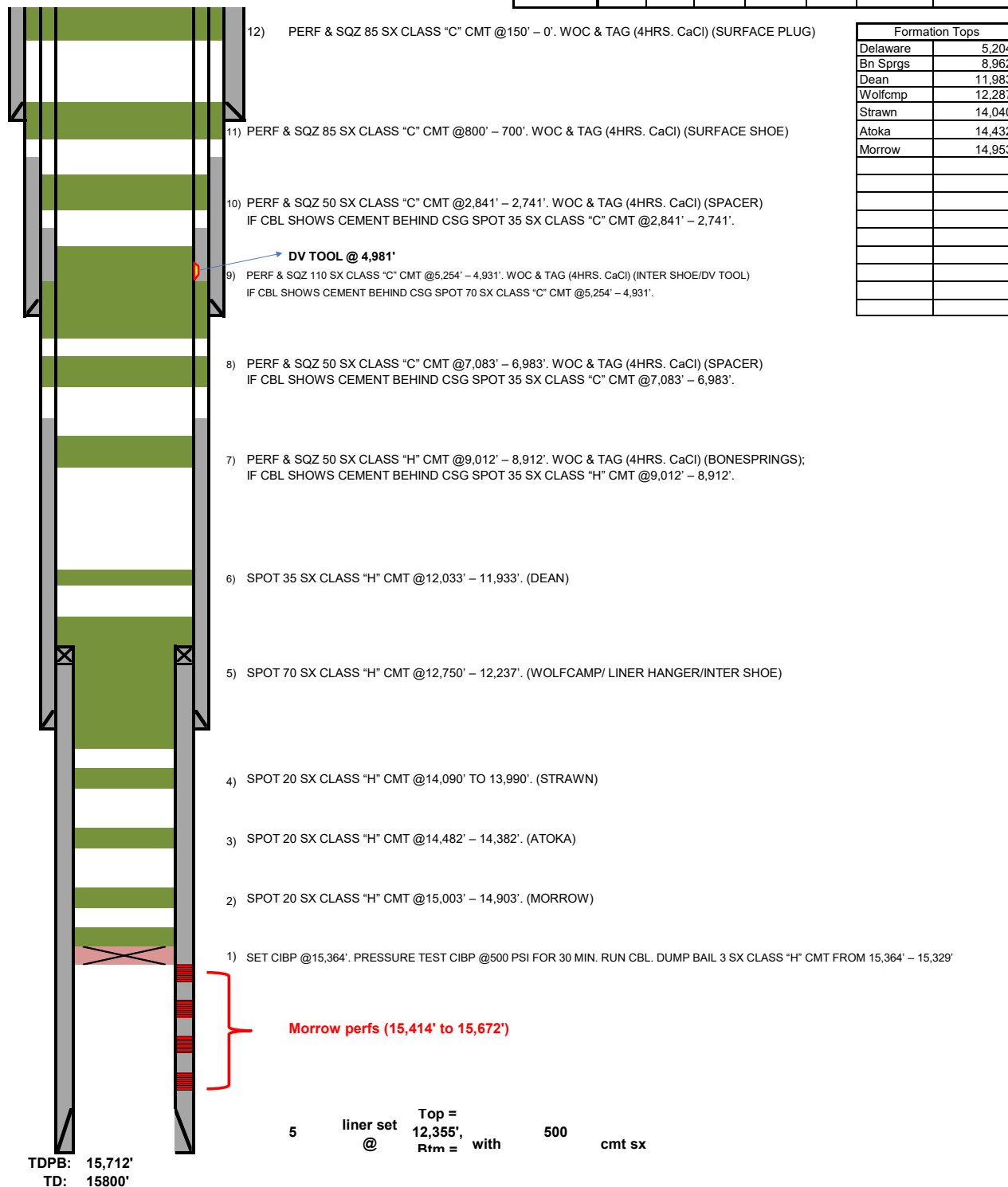
Morrow perms (15,414' to 15,672')

Formation Tops	
Delaware	5,204
Bn Sprgs	8,962
Dean	11,983
Wolfcmp	12,287
Strawn	14,040
Atoka	14,432
Morrow	14,953

Company: ConocoPhillips

Author: LSG
 Well Name: Brinninstool Unit Well No. 2
 Field: Brinninstool Morrow API #: 30-025-25553
 County: Lea Location: Sec 21 T23S R33E NMPM Lea Co, NM
 State: NM 1,980' FNL & 1,980' FWL
 Spud Date: 5/27/1977 GL/KB: 3,721'3,749'

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Prod Csg	7.625	S95	29	12,700	8 1/2	1,420	???
Liner	5	C75	23	Top = 12,355', Btm = 15,800'	6 1/8	500	TOL@12,355'



Company : Conoco Phillips

Well:	Brinninstool Unit	Well:	#2
Field:	Brinninstool Morrow	API:	30-025-25553
County:	Lea	Location:	Sec 21 T23S R33E NMPM Lea Co, NM
State:	NM	Location:	1,980' FNL & 1,980' FWL
Spud Date:	5/27/1977	GL/KB:	3,721'/3,749'

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3. SPOT 20 SX CLASS "H" CMT @15,003' – 14,903'. (MORROW)
4. SPOT 20 SX CLASS "H" CMT @14,482' – 14,382'. (ATOKA)
5. SPOT 20 SX CLASS "H" CMT @14,090' TO 13,990'. (STRAWN)
6. SPOT 70 SX CLASS "H" CMT @12,750' – 12,237'. (WOLFCAMP/ LINER HANGER/INTER SHOE)
7. SPOT 35 SX CLASS "H" CMT @12,033' – 11,933'. (DEAN)
8. PERF & SQZ 50 SX CLASS "H" CMT @9,012' – 8,912'. WOC & TAG (4HRS. CaCl) (BONESPRINGS); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "H" CMT @9,012' – 8,912'.
9. PERF & SQZ 50 SX CLASS "C" CMT @7,083' – 6,983'. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "C" CMT @7,083' – 6,983'.
10. PERF & SQZ 110 SX CLASS "C" CMT @5,254' – 4,931'. WOC & TAG (4HRS. CaCl) (INTER SHOE/DV TOOL); IF CBL SHOWS CEMENT BEHIND CSG SPOT 70 SX CLASS "C" CMT @5,254' – 4,931'.
11. PERF & SQZ 50 SX CLASS "C" CMT @2,841' – 2,741'. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "C" CMT @2,841' – 2,741'.
12. PERF & SQZ 85 SX CLASS "C" CMT @800' – 700'. WOC & TAG (4HRS. CaCl) (SURFACE SHOE)
13. PERF & SQZ 85 SX CLASS "C" CMT @150' – 0'. WOC & TAG (4HRS. CaCl) (SURFACE PLUG)

Company : Conoco Phillips

Well:	Brinninstool Unit	Well:	#2
Field:	Brinninstool Morrow	API:	30-025-25553
County:	Lea	Location:	Sec 21 T23S R33E NMPM Lea Co, NM
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6. SPOT 70 SX CLASS "H" CMT @12,750' – 12,114'. (WOLFCAMP/ LINER HANGER/INTER SHOE)
7. SPOT 35 SX CLASS "H" CMT @12,033' – 11,933'. (DEAN)
8. PERF & SQZ 69 SX CLASS "H" CMT @9,012' – 8,822'. WOC & TAG (4HRS. CaCl) (BONESPRINGS); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "H" CMT @9,012' – 8,822'.
9. PERF & SQZ 50 SX CLASS "C" CMT @7,083' – 6,983'. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "C" CMT @7,083' – 6,983'.
10. PERF & SQZ 134 SX CLASS "C" CMT @5,254' – 4,881'. WOC & TAG (4HRS. CaCl) (INTER SHOE/DV TOOL); IF CBL SHOWS CEMENT BEHIND CSG SPOT 70 SX CLASS "C" CMT @5,254' – 4,881'.
11. PERF & SQZ 50 SX CLASS "C" CMT @2,841' – 2,741'. WOC & TAG (4HRS. CaCl) (SPACER); IF CBL SHOWS CEMENT BEHIND CSG SPOT 35 SX CLASS "C" CMT @2,841' – 2,741'.
12. PERF & SQZ 42SX CLASS "C" CMT @1,786'- 1,668' WOC & TAG (SALT PLUG) IF CBL SHOWS CEMENT SPOT 25 SX CLASS @1,786'- 1,668'
13. PERF & SQZ 85 SX CLASS "C" CMT @800' – 692'. WOC & TAG (4HRS. CaCl) (SURFACE SHOE)
14. PERF & SQZ 85 SX CLASS "C" CMT @150' – 0'. WOC & TAG (4HRS. CaCl) (SURFACE PLUG) **VERIFY CIRCULATED TO SURFACE**

JULIO

SANCHEZ

Digitally signed by
JULIO SANCHEZDate: 2024.03.14
11:38:29 -06'00'

Company: ConocoPhillipsAuthor: **LSG**Well Name: **Brinninstool Unit**Well No.: **2**Field: **Brinninstool Morrow**API #: **30-025-25553**County: **Lea**Location: **Sec 21 T23S R33E NMPM Lea Co, NM**State: **NM****1,980' FNL & 1,980' FWL**Spud Date: **5/27/1977**GL/KB: **3,721'/3,749'**

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DV tool in 7-5/8" csg @ 4,981'

Formation Tops	
Delaware	5,204
Bn Sprgs	8,962
Dean	11,983
Wolfcmp	12,287
Strawn	14,040
Atoka	14,432
Morrow	14,953

13.375' csg set @ 750 with 600 cmt sx

TOC behind 10-3/4" csg @ 1,375' by TS

7-5/8" csg TOC @ ?????

DV Tool in 7-5/8" csg @ 4,981'

10.75 csg set @ 5,195 with 1,510 cmt sx

7-5/8" csg TOC @ ?????

Top of 5" csg hanger @ 12,355'

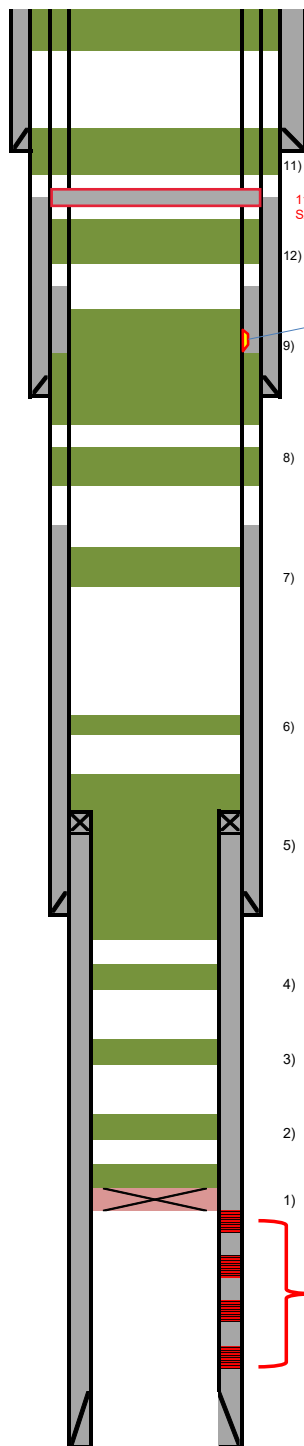
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Morrow perms (15,414' to 15,672')

Company: ConocoPhillips

Author: LSG
 Well Name: Brinninstool Unit Well No. 2
 Field: Brinninstool Morrow API #: 30-025-25553
 County: Lea Location: Sec 21 T23S R33E NMPM Lea Co, NM
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Liner	5	C75	23	Top = 12,355', Btm = 15,800'	6 1/8	500	TOL@12,355'



12) PERF & SQZ 85 SX CLASS "C" CMT @150' - 0'. WOC & TAG (4HRS. CaCl) (SURFACE PLUG) **VERIFY CIRCULATED TO SURFACE**

11) PERF & SQZ 85 SX CLASS "C" CMT @800' - 692'. WOC & TAG (4HRS. CaCl) (SURFACE SHOE)

11) PERF & SQZ 42SX CLASS "C" CMT @1,786'-1,668' WOC & TAG (SALT PLUG) IF CBL SHOWS CEMENT SPOT 25 SX CLASS @1,786'-1,668'

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DV TOOL @ 4,981'

9) PERF & SQZ 134 SX CLASS "C" CMT @5,254' - 4,881'. WOC & TAG (4HRS. CaCl) (INTER SHOE/DV TOOL) IF CBL SHOWS CEMENT BEHIND CSG SPOT 70 SX CLASS "C" CMT @5,254' - 4,881'.

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5) SPOT 70 SX CLASS "H" CMT @12,750' - 12,114'. (WOLFCAMP/ LINER HANGER/INTER SHOE)

4) SPOT 25 SX CLASS "H" CMT @14,090' TO 13,990'. (STRAWN)

3) SPOT 25 SX CLASS "H" CMT @14,482' - 14,382'. (ATOKA)

2) SPOT 25 SX CLASS "H" CMT @15,003' - 14,753'. (MORROW)

1) SET CIBP @15,364'. PRESSURE TEST CIBP @500 PSI FOR 30 MIN. RUN CBL. DUMP BAIL 3 SX CLASS "H" CMT FROM 15,364' - 15,329'

Morrow perfs (15,414' to 15,672')

TDPB: 15,712'
TD: 15800'

5 liner set Top =
@ 12,355',
Btm = with 500 cmt sx

Formation Tops	
Delaware	5,204
Bn Sprgs	8,962
Dean	11,983
Wolfcmp	12,287
Strawn	14,040
Atoka	14,432
Morrow	14,953

Sundry ID		2774530					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
				Verify Circualted to surface	85 sxs	Class C	
Surface Plug	0.00	150.00	150.00				
13.375 inch- Shoe Plug	692.00	800.00	108.00	WOC and Tag	85 sxs	Class C	Perf and Squeeze
				WOC and Tag	42 sxs / 25 sxs	Class C	If CBL shows no cement then Perf and Squeeze if cement then Balanced Plug
Top of Salt @ 1736	1668.64	1786.00	117.36				
DV tool plug	4881.00	5254.00	373.00				
Base of Salt @ 5141	4881.00	5254.00	373.00	WOC and Tag	134 sxs / 70sxs	Class C	If CBL shows no cement then Perf and Squeeze if cement then Balanced Plug
10.75 inch- Shoe Plug	4881.00	5254.00	373.00				
Delaware @ 5204	4881.00	5254.00	373.00				
					69 sxs / 35sxs	Class H	If CBL shows no cement then Perf and Squeeze if cement then Balanced Plug
Bonesprings @ 8962	8822.38	9012.00	189.62				
Wolfcamp @ 12287	12114.00	12750.00	636.00				
Liner Top @ 12355	12114.00	12750.00	636.00	WOC and Tag	70 sxs	Class H	Blanaced Plug
7.625 inch- Shoe Plug	12114.00	12750.00	636.00				
Morrow @ 14953	14753.47	15003.00	249.53		25 sxs	Class H	Blanaced Plug
CIBP Plug	15329.00	15364.00	35.00	WOC and Tag	25 sxs	Class H	500 psi leak test

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C<7500'

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

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

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater
R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft^3/sx
Class H: 1.06 ft^3/sx

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

<u>Cave Karst/Potash Cement Requirement:</u>	<u>Low</u>		
13.375 inch- Shoe Plug @	750.00		
10.75 inch- Shoe Plug @	5195.00	TOC @	1375.00
7.625 inch- Shoe Plug @	12700.00		
5 inch- Shoe Plug @	15800.00		
Perforatons Top @	15414.00	Perforations	15672.00
DV Tool @	4981.00	CIBP @	15364.00

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

**Permanent Abandonment of Federal Wells
Conditions of Approval (LPC Habitat)**

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

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

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

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

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

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

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

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

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

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

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified BY PHONE (numbers listed under 2.Notification) a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing. The following information shall be permanently inscribed on the plate: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

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

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

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

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

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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 323976

COMMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 323976
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	3/27/2024

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CONDITIONS

Created By	Condition	Condition Date
gcordero	CBL must be submitted to OCD via OCD Permitting	3/27/2024