

Well Name: ZHU 2032 BS	Well Location: T26S / R32E / SEC 20 / SENE / 32.028465 / -103.692547	County or Parish/State: LEA / NM
Well Number: 16H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC068281B	Unit or CA Name:	Unit or CA Number: NMNM138329X
US Well Number: 300254707600X1	Well Status: Approved Application for Permit to Drill	Operator: CONOCOPHILLIPS COMPANY

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 03/02/2021	Time Sundry Submitted: 01:27
Date proposed operation will begin: 03/01/2021	
Procedure Description: ConocoPhillips respectfully requests to change the approved drilling plan as reflected in the attached documents: ZHU 2032 BS 16H Drill Plan ZHU 2032 BS 16H C-102 In particular, the lateral's proximity to the unit boundary has been revised. As such we request approval at your earliest convenience.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- Zia_Hills_ZHU_2032_16H_20210302132636.pdf
 - ZHU_2032_BS_16H_Drill_Plan_20210302132402.pdf

Conditions of Approval

- Additional Reviews
- ZHU_2032_BS_16H_Sundry_1517047_Drilling_COA_OTA_20210315112551.pdf

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Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: LEE	Signed on: MAR 02, 2021 01:26 PM
Name: CONOCOPHILLIPS COMPANY	
Title: Regulatory Coordinator	
Street Address: PO Box 2197	
City: Houston	State: TX
Phone: (832) 486-2510	
Email address: Jeremy.L.Lee@cop.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 04/05/2021
Signature: Chris Walls	

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
LEASE NO.:	NMLC0068281B
WELL NAME & NO.:	ZHU 2032 BS 16H
SURFACE HOLE FOOTAGE:	2576'/N & 1225'/E
BOTTOM HOLE FOOTAGE:	50'/S & 379'/E
LOCATION:	Section 20, T.26 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

COA

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input type="checkbox"/> Unit

All Previous COAs Still Apply.

A. CASING

Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **1224 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength,

whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Excess cement calculates to -53%, additional cement might be required.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

- b. Second stage above DV tool:

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 2500 psi.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

OTA03152021

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-47076		² Pool Code 98009		³ Pool Name Zia Hills; Bone Spring					
⁴ Property Code		⁵ Property Name ZHU 2032 BS						⁶ Well Number 16H	
⁷ OGRID No. 217817		⁸ Operator Name ConocoPhillips Company						⁹ Elevation 3,143.8' (NAVD88)	
¹⁰ Surface Location									
UL or lot no. H	Section 20	Township 26 S	Range 32 E	Lot Idn	Feet from the 2,576'	North/South line NORTH	Feet from the 1,225'	East/West line EAST	County LEA COUNTY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. 1	Section 32	Township 26 S	Range 32 E	Lot Idn	Feet from the 50'	North/South line SOUTH	Feet from the 379'	East/West line EAST	County LEA COUNTY
¹² Dedicated Acres 304.65		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16H (SURFACE LOCATION)

2,576' FNL, 1,225' FEL (SEC. 20)

STATE PLANE NAD83(2011) (N.M. EAST)

N(Y): 374,683.23' E(X): 739,914.20'

LAT: 32°01'42.48" (32.028465°)

LON: -103°41'33.17" (-103.692547°)

STATE PLANE NAD27 (N.M. EAST)

N(Y): 374,626.08' E(X): 698,727.07'

LAT: 32°01'42.02" (32.028340°)

LON: -103°41'31.47" (-103.692076°)

16H (VERTICAL TARGET)

2,620' FSL, 330' FEL (SEC. 20)

STATE PLANE NAD83(2011) (N.M. EAST)

N(Y): 374,541.57' E(X): 740,809.58'

LAT: 32°01'41.02" (32.028061°)

LON: -103°41'22.77" (-103.689660°)

STATE PLANE NAD27 (N.M. EAST)

N(Y): 374,484.43' E(X): 699,622.43'

LAT: 32°01'40.57" (32.027936°)

LON: -103°41'21.08" (-103.689190°)

16H (PP/FTP)

2,266' FSL, 330' FEL (SEC. 20)

STATE PLANE NAD83(2011) (N.M. EAST)

N(Y): 374,187.80' E(X): 740,811.06'

LAT: 32°01'37.52" (32.027089°)

LON: -103°41'22.78" (-103.689662°)

STATE PLANE NAD27 (N.M. EAST)

N(Y): 374,130.66' E(X): 699,623.90'

LAT: 32°01'37.07" (32.026964°)

LON: -103°41'21.08" (-103.689192°)

16H (LAST TAKE POINT)

100' FSL, 379' FEL (SEC. 32)

STATE PLANE NAD83(2011) (N.M. EAST)

N(Y): 364,513.15' E(X): 740,813.04'

LAT: 32°00'01.78" (32.000495°)

LON: -103°41'23.43" (-103.689842°)

STATE PLANE NAD27 (N.M. EAST)

N(Y): 364,456.24' E(X): 699,625.47'

LAT: 32°00'01.33" (32.000369°)

LON: -103°41'21.74" (-103.689373°)

16H (BOTTOM HOLE LOCATION)

50' FSL, 379' FEL (SEC. 32)

STATE PLANE NAD83(2011) (N.M. EAST)

N(Y): 364,463.14' E(X): 740,812.79'

LAT: 32°00'01.29" (32.000357°)

LON: -103°41'23.44" (-103.689843°)

STATE PLANE NAD27 (N.M. EAST)

N(Y): 364,406.24' E(X): 699,625.22'

LAT: 32°00'00.83" (32.000232°)

LON: -103°41'21.75" (-103.689374°)

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature

1/20/21

Date

Signature

Jeremy Lee

Printed Name

Jeremy.L.Lee@cop.com

E-mail Address

Infill Horizontal Well

18 SURVEYOR CERTIFICATION

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 supervision, and that the same is true and correct to the best of my belief.

Revised 4-17-2020_330' FEL

Date of Survey 04-14-2019

Signature and Seal of Professional Surveyor:

CHRISTIAN A. CLAUSEN

NEW MEXICO

16467

4-17-2020

LICENSED PROFESSIONAL SURVEYOR

Certificate Number

Released to Imaging: 9/14/2021 8:38:14 AM

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CONDITIONS

Action 33558

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 33558
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/14/2021