	UNITED STATES EPARTMENT OF THE D UREAU OF LAND MANA	NTERIOR	OMB 1 Expires:	1 APPROVED NO. 1004-0137 January 31, 2018		
SUNDRY	5. Lease Serial No. NMLC069515					
Do not use the abandoned we	OCD 6. If Indian, Allottee	6. If Indian, Allottee or Tribe Name				
		tructions on page fun 27		eement, Name and/or No.		
1. Type of Well S Oil Well Gas Well Otl		ELL RECEI	8. Well Name and No	ached 5.4337		
2. Name of Operator CONOCOPHILLIPS COMPAN		Frence Pilice	9. API Well No. MultipleSee	Attached		
3a. Address		30. 41646 (include area code) Ph: 832-486-2510	10. Field and Pool or MultipleSee	r Exploratory Area Attached		
MIDLAND, TX 79710						
4. Location of Well (Footage, Sec., 7	I., R., M., or Survey Description)	11. County or Parish			
Multiple-See Attached			LEA COUNTY	LEA COUNTY, NM		
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICATE NATURE O	F NOTICE, REPORT, OR OT	HER DATA		
TYPE OF SUBMISSION		TYPE OF	ACTION			
Notice of Intent	□ Acidize	Deepen	Production (Start/Resume)	UWater Shut-Off		
	Alter Casing	Hydraulic Fracturing	Reclamation	Well Integrity		
Subsequent Report	Casing Repair	New Construction	Recomplete	Other		
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon	Change to Original PD		
	Convert to Injection	Plug Back	UWater Disposal			
Attach the Bond under which the wo	d exemptions If the exemption re	the Bond No. on file with BLM/BIA	multion in a new interval a Form 31	e filed within 30 days		
following completion of the involved testing has been completed. Final Al determined that the site is ready for f	d operations. If the operation re bandonment Notices must be fil final inspection.	sults in a multiple completion or reco ed only after all requirements, includ	mpletion in a new interval, a Form 31	60-4 must be filed once		
following completion of the involved testing has been completed. Final Al determined that the site is ready for f ConocoPhillips request the fol Zia Hills 25E Fed Com 401H / Change in target depth Change in cementing program For changes see attached one	d operations. If the operation re bandonment Notices must be fil final inspection. Ilowing changes to our pla API# 30-025-42560 ns e-page summary for this v	sults in a multiple completion or reco ed only after all requirements, includ	mpletion in a new interval, a Form 3 l ing reclamation, have been completed	60-4 must be filed once and the operator has		
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Additional data for EC transaction #422699 that would not fit on the form

Wells/Facilities, continued

Agreement NMLC069515	Lease NMLC069515	Well/Fac Name, Number ZIA HILLS 25E FED COM 401H	API Number 30-025-42560-00-X1	Location Sec 25 T26S R32E NWNE 250FNL 2310FEL
NMLC069515	NMLC069515	ZIA HILLS 25E FED COM 402H	30-025-43364-00-X1	32.011286 N Lat, 103.373820 W Lon Sec 25 T26S R32E NWNE 283FNL 2310FEL 32.011253 N Lat, 103.373820 W Lon
NMLC069515	NMLC069515	ZIA HILLS 25E FED COM 403H	30-025-43377-00-X1	Sec 25 T25S R32E NWNE 316FNL 2310FEL 32.011220 N Lat, 103.373820 W Lon
NMLC069515	NMLC069515	ZIA HILLS 25E FED COM 404H	30-025-43363-00-X1	Sec 25 T26S R32E NWNE 349FNL 2310FEL 32.011188 N Lat, 103.373820 W Lon

10. Field and Pool, continued

WILDCAT;WOLFCAMP

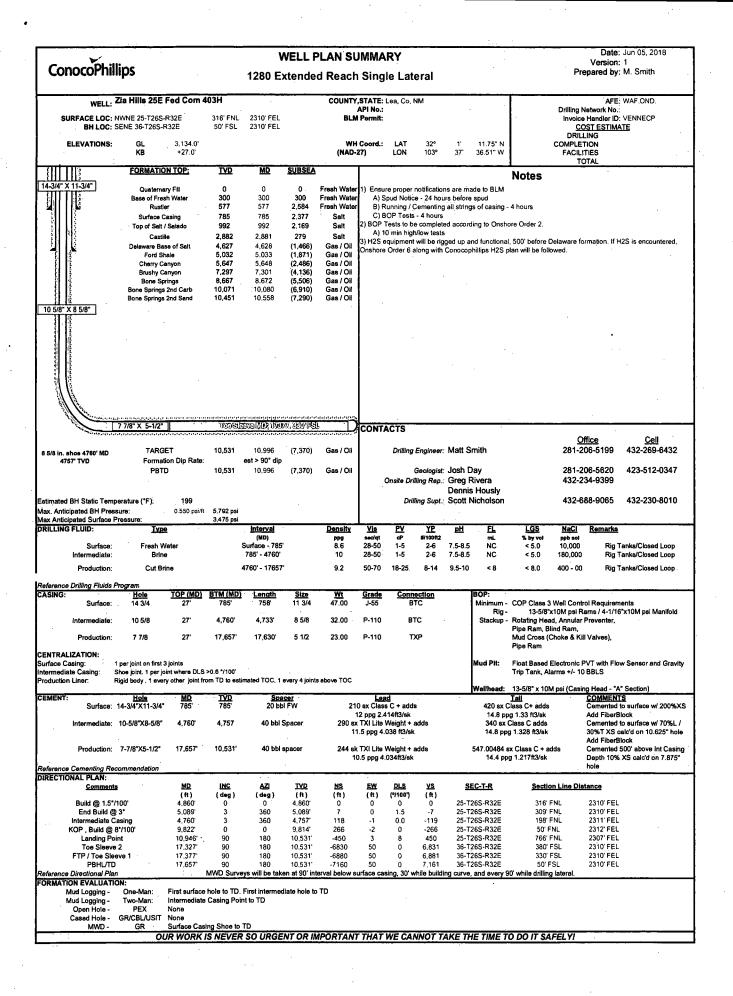
32. Additional remarks, continued

Change in cementing programs For changes see attached one-page summary for this well

Zia Hills 25E Fed Com 404H API# 30-025-43363 Change in cementing programs For changes see attached one-page summary for this well

Per our conversation with Z.Stevens set surface casing at least 25' into the Rustler

Thank you.



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

	OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
	LEASE NO.:	NMLC069515
	WELL NAME & NO.:	ZIA HILLS 25E FED COM 403H
	SURFACE HOLE FOOTAGE:	316' FNL & 2310' FEL
	BOTTOM HOLE FOOTAGE	50' FSL & 2310' FEL; Sec. 36
	LOCATION:	Section 25, T. 26 S., R 32 E., NMPM
•	COUNTY:	Lea County, New Mexico

COA

All pervious CO	OA still apply expect the fo	ollowing:	
H2S	r Yes	∩ No	
Potash	• None	C Secretary	C R-111-P
Cave/Karst Pot	ential © Low	C Medium	∩ High
Variance	C None	• Flex Hose	C Other
Wellhead	Conventional	Multibowl	C Both
Other	F 4 String Area	Capitan Reef	₩IPP

A. Hydrogen Sulfide

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The **11** 3/4 inch surface casing shall be set at approximately **785** feet (a minimum of 25 feet 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 <u>8</u> <u>hours</u> 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.
- 2. The minimum required fill of cement behind the 8 5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 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. Addititonal cement maybe required. Excess calculates to -28%.

C. 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. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Chaves and Roosevelt Counties
Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.
During office hours call (575) 627-0272.
After office hours call (575)

Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- <u>Wait on cement (WOC) for Potash Areas:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least <u>24</u> <u>hours</u>. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

- 3. <u>Wait on cement (WOC) for Water Basin:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - 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.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
 - c. The tests shall be done by an independent service company utilizing a test plug. The results of the test shall be reported to the appropriate BLM office.
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE.

If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

- e. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes. This test shall be performed prior to the test at full stack pressure.
- g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Waste Minimization Plan (WMP)

In the interest of resource development, submission of additional well gas capture development plan information is deferred but may be required by the BLM Authorized Officer at a later date.

ZS 061918

263225B APDSUNDRY ZIA HILLS 25E FED COM 403H 30015 NMLC069515 CONOCOPHILLIPS COMPANY 12-55 422699 06192018 ZS

11 3/4	surface	csg in a	14 3/4	inch hole.		Design F	actors	SUR	FACE
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	Weight
"A"	47.00	J	55	BUTT	19.98	4.31	1.24	785	36,895
" B "								0	Ŏ
w/8.4#/g r	nud, 30min Si	fc Csg Test psig:	1,500	Tail Cmt	does	circ to sfc.	Totals:	785	36,895
comparison of	Proposed			ement Volume					
Hole	Annular		1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt		% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
14 3/4	0.4336	630	1008	370	172	8.60	1426	2M	1.00
					• == • == • ==		• • • · ·		AEDIATE
8 5/8 Segment	tasing n #/ft	iside the Grade	11 3/4	Coupling	Joint	<u>Design F</u> Collapse	Burst	Length	Weight
"A"	32.00		110		6.60	1.38	1.56	4,760	152,320
"B"	32.00	E Contraction of the second		IAFBIC	0.00	1.30	1.00	4,700	102,020
	nud 20min Si	fc Csg Test psig:	• • •	a shifte the state		at a stàir thair	Totals:	4,760	152,320
• • •				nieve a top of	Ö	ft from su		785	overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling,	Calc	Reg'd	Min Dist
Size	Volume	Cmt Sx	•		% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
10 5/8	0.2100	630	1624	1049	55	10.00	2716	3M	0.50
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51/2		iside the	8 5/8	·	o en o en vez	Design Fac	1 111 1 1 1 1 1 1		UCTION
Segment	#/ft	Grade		Coupling	*	Collapse	Burst	Length	Weight
"A"	23.00	1	110	TXP	3.01	3.1	2.89	9,822	225,906
" B "	23.00		110	TXP	9.10	2.62	2.89	7,943	182,689
-		fc Csg Test psig:	2,161		4 4 77	0.00	Totals:	17,765	408,595
В	would be	•	NTD		44.77			vertical we	
No Pilo	ot Hole Pla	Inned	MTD	Max VTD	Csg VD	Curve KOP	Dogleg ^o	Severity ^o	MEOC 10946
Th.	mont voli	no(o) are into	17765	10530	10530 4560	9822	90	8 200	
Hole	Annular	ne(s) are inte 1 Stage		nieve a top of Min	4560 1 Stage	ft from su Drilling	Tace or a Calc		overlap. Min Dist
Size	Annular Volume	Cmt Sx	1 Stage CuFt Cmt		% Excess	Mud Wt	MASP	Req'd BOPE	Hole-Cpl
512e 7 7/8	0.1733	791	1656	2294	-28	9.20	MAJF	DULE	0.84
1 1 10	0.1700	131	1000	L	-20	: J. 2U			0.04