

UNITED STATES **N.M. Oil Cons. Division**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ConocoPhillips Company

3a. Address
4001 Penbrook Street - Odessa, TX 79762

3b. Phone No. (include area code)
(432)368-1506

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 35, T-21-S, R-37-E, Unit Letter H

5. Lease Serial No.
LC 032096B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
071032096B

8. Well Name and No.
Lockhart B-35 #5

9. API Well No.
30-025-24858

10. Field and Pool, or Exploratory Area
Paddock

11. County or Parish, State
Lea County, NM

12. CHECK 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"/> Fracture Treat	<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 checked="" type="checkbox"/> Other <u>Recompletion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>& Down-hole</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>Commingle</u>

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

Procedure attached.

Approval Subject To Filing A Well Completion Or Recompletion Report (Form 3160-4) For The Drinkard Pool Completion And Subsequent Report Of Downhole Commingling With The Allocation Percentages After The Work Has Been Completed.



BUREAU OF LAND MGMT
ROSWELL OFFICE

2004 OCT 22 AM 9:17

RECEIVED

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

Stacey D. Linder

Signature

Stacey D. Linder

Title
Regulatory Representative

Date
10/21/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) DAVID R. GLASS

Title

Date

OCT 22 2004

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

Office

Title 18 U.S.C. Section 1001, makes 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 reverse)

Drinkard Recompletion & Paddock Downhole Commingle Procedure:

Note: All depths referenced to 11' RKB.

1. MI and RU pulling unit. Kill the Paddock by pumping 100 bbls of 9.5 ppg treated brine water via the casing.
2. Remove the pumping tee and unseat the pump. If the rods are coated with paraffin, RU hotoiler and pump 70 bbls of 200 degree water down the tubing to remove the paraffin from the rods and tubing. TOO H with 000, 0/0" Class 00 rods. Inspect rods and couplings for pitting and wear. Lay any worn rods down and discard worn couplings.
3. NU 5 M PSIG WP hydraulic operated BOPE consisting of a Hydril top, a set of 2 7/8" tubing rams below and a set of blind rams on bottom and test to 250/5000 PSIG as per SOP.
4. RU wellhead scan unit. Release the TAC at 0000' and TOO H scanning tubing. Laying down all red and green band tubing.
5. PU additional 2 7/8" J-55 tubing with bit and casing scraper for 5 1/2", 15.5 ppf casing to tag the PBTD at approximately 6785' (Not certain if there is a cement cap on top of the plug). Attempt to circulate the rat hole with packer fluid containing a biocide. PU to 6730' and spot 1,000 gals of 15% HCL across the proposed Drinkard interval. (Acid will have to be displaced with a minimum of 8 bbls of 8.5 to 9.0 ppg treated brine water). TOO H with bit and casing scraper.
6. RU Schlumberger electric line services. Install lubricator and pressure test to 2,000 PSIG against the blind rams. RIH with GR/CCL and 4" OD HEGS non-ported casing guns loaded 4 SPF in 120 degree phasing to perforate the following Drinkard intervals. **Note: Correlate the perforating gun using the GR and the open hole logs dated Oct 1974.** The gun charge is a 22.7-gram charge to provide 0.42" perforation ID hole with 21" of penetration.

	<u>Interval</u>	<u>NEP</u>	<u>Shots</u>
Drinkard	6722' to 6728'	6'	25 Holes
Drinkard	6490' to 6495'	5'	21 Holes
Drinkard	6451' to 6457'	6'	25 Holes

Caution: The Drinkard is expected to have a pore pressure of 2,700 PSIG while the Paddock zone which will be open to the wellbore has an estimated 500 PSIG. RU transport and utilize the dynamic head procedure to maintain control of the Drinkard. If there is no pressure after perforating connect the pump truck to the wellhead and maintain rate of 1/4 bpm while tripping in the hole.

7. TIH with 6750' of 2 7/8" J-55 tubing with a 5 1/2" RBP with a ball catcher and a CS1 10 M treating packer, or equivalent. Hydro-test each stand to 6,000 PSIG while tripping. TIH and space out to set the RBP at 6750' and the packer at an approximate depth of 6650' (minimum of 2 joints above the top perforation).
8. RU Schlumberger treating services. Install 10 M PSIG WP frac valve on the tubing. Install treating line with nitrogen actuated relief valve. Test the treating line to 6000 PSIG and set the relief valve at 4000 PSIG. Lay a staked relief line from the casing to an open frac tank. Leave the casing relief line open throughout the treatment. Pump the acid breakdown as per the attached Schlumberger recommendation. Pump the treatment as follows at design rate of 3 - 5 BPM dropping 50, 1.3 SG, 7/8" ball sealers throughout the spearhead breakdown treatment. Do not exceed 4200 PSIG.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over
 MATP

6000

PSIG

MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system. Burst pressure of 5 1/2" casing.	4500	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	4300	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	4200	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE:	4000	PSIG

Treatment Schedule:

- Load tubing and initialize breakdown with 50 bbls of 2% KCL slick water
 - Pump 1,500 gals of 15% NEFE HCL acid at 3 – 5 BPM containing 50 1.3 SG, 7/8" RCN ball sealers.
 - Displace breakdown with 40 bbls of 2% KCL slick water.
 - Surge balls off perforatons.
 - Bleed the pressure off the tubing, release the packer and drop down to pick up the RBP.
 - Pull up to locate the RBP at approximately 6550', set the RBP then set the packer and pressure test the RBP to 1,000 PSIG.
 - Pull the packer up to 6475' and set the packer.
 - Load tubing and initialize breakdown with 50 bbls of 2% KCL slick water
 - Pump 1,500 gals of 15% NEFE HCL acid at 3 – 5 BPM containing 50 1.3 SG, 7/8" RCN ball sealers.
 - Displace breakdown with 40 bbls of 2% KCL slick water.
 - Surge balls off perforatons.
 - Bleed the pressure off the tubing, release the packer and drop down to pick up the RBP.
 - Pull up to locate the RBP at approximately 6470', set the RBP then set the packer and pressure test the RBP to 1,000 PSIG.
 - Pull the packer up to 6400' and set the packer.
 - Pump 1,500 gals of 15% NEFE HCL acid at 3 – 5 BPM containing 50 1.3 SG, 7/8" RCN ball sealers.
 - Displace breakdown with 40 bbls of 2% KCL slick water.
 - Surge balls off perforatons.
 - Bleed the pressure off the tubing, release the packer and drop down to pick up the RBP.
 - TIH to set the RBP at approximately 6750' (below the bottom Drinkard perforation at 6728')
 - PU with the packer to set at approximately 6400' (50' above the top Drinkard perforation) and swab test the Drinkard interval.
9. Release the packer and TIH to retrieve the RBP. TOOH laying down the RBP and packer. **Load the casing as necessary using the dynamic head method to keep the well dead.**
10. If the swab test indicates the Drinkard to be productive continue with step 11 to place the well back on production as a downhole commingled Drinkard / Paddock producer. If it is determined that the Drinkard is non-economic skip to step 15 to temporarily abandon the wellbore with the intent of either permanently abandoning the well later this year or transferring ownership to Rice operating to be used as a SWD well.
11. TIH with 6,750' of 2 7/8", J-55 production tubing with the open ended SN on bottom of the tubing and a 5 1/2" TAC. The bottom section below the TAC to be 2 7/8" polylinned tubing. Space the tubing out to set the seating nipple at approximately 6,750' or 22' below the bottom Drinkard perforation with the TAC at approximately 5,500' (above the top Paddock perforation).
12. ND the BOP stack and install the B-1 adapter flange. Pump corrosion inhibitor down the tubing to coat the rods and pump as they are run in the hole. PU standard strainer nipple on the bottom of the 1.25" RHBC

Type "A" pump on 7/6 Class "Existing" rod string and RIH to place on beam pump. (See attached **Drinkard Beam Pump Design**. The stroke length and speed will be determined based on the swab results. RD and move off.

13. Notify Champion prior to placing the well on production. As soon as the well is started have it placed on scheduled CI truck treatments. **Schedule a backside scale squeeze as soon as the fluid level is pumped off.**
14. Operator to submit a change of status form for new production. Report daily well tests and fluid levels to the Midland office for 30 days or until it pumps off and the production rate has stabilized. Use the attached prepull spreadsheet for test reporting.

Temporary Abandonment Procedure (If Swab Results Indicate Non-Economic Well)

15. TIH with 6,750' of 2 7/8", J-55 production tubing with 5 1/2 " treating packer and set at 6,750'. Contact the OCD and set up pressure test to confirm integrity of the CIBP at 6784'. Pressure test as per OCD guidelines. TOOH with packer.
16. RU Schlumberger electric line services. Install lubricator and RIH with cement dump bailer to dump 35' of cement on top of the CIBP at 6784'.
17. PU electric line set CIBP and RIH to set at 6420' (31' above the top Drinkard perforation at 6451'). RIH with cement bailer and dump 35' of cement on top of the CIBP at 6420'.
18. TIH with treating packer on 6300' of 2 7/8" tubing. Set the packer. Contact the OCD and set up pressure test to confirm integrity of the CIBP at 6420'. Pressure test as per OCD guidelines. TOOH with packer.
19. PU 5 1/2" CIBP on 5100' of 2 7/8" tubing and TIH to set at 5100' (46' above the top Paddock perforation). Circulate the hole with packer fluid and pressure test the plug to 1,000 PSIG.
20. RU electric company and RIH with dump bailer to dump 35' of cement on top of the CIBP at 5100'. RD electric company.
21. Notify the OCD of temporary abandonment and arrange for pressure testing the casing to 500 PSIG or as per OCD guidelines.