Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-045-07802

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
SHEPHERD & KELSEY

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

8. Well Number 1

2. Name of Operator
CONOCOPHILLIPS CO.

9. OGRID Number 217817

3. Address of Operator P.O. BOX 2197 WL3 6108
HOUSTON, TX 77252

10. Pool name or Wildcat
BASIN DAKOTA

4. Well Location
Unit Letter L : 1450 feet from the SOUTH line and 900 feet from the WEST line
Section 29 Township 29N Range 11W NMPM County SAN JUAN

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ **Depth to Groundwater** _____ **Distance from nearest fresh water well** _____ **Distance from nearest surface water** _____

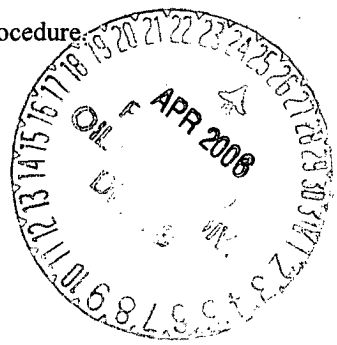
Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips requests approval to repair the bradenhead in this well as per the attached procedure.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE Deborah Marberry TITLE REGULATORY ANALYST DATE 04/21/2006

Type or print name DEBORAH MARBERRY E-mail address: deborah.marberry@conocophillips.com Telephone No. (832)486-2326

For State Use Only

APPROVED BY: H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 25 2006

Conditions of Approval (if any):

ConocoPhillips

San Juan Workover Procedure

'Our work is never so urgent or important that we cannot take time to do it safely.

WELL: Shepherd & Kelsey #1

Objective: Bradenhead / Casing Repair – COMPLIANCE WELL

WELL DATA:

API: 300450780200

Location: NMPM-29N-11W-SEC29-L
36° 41' 35.988" N 108° 1' 13.08" W

Elevation: KBM 5,384.00 KB elev above GL –12'

TD: 6166' **PBTD:** 6142' **Perforations** DK – (6010' – 6114')

Existing Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID (inches)	Weight (#/ft)	Grade	Burst (psi)	Collapse (psi)	Cmt top
Surface	8-5/8	238	8.094	24	K-55	2950	1370	Surface
Production	4-1/2	6166	4	11.6	K-55	5350	4960	??? Noise log issue @ 1800' up
Tubing	2.375	6004	1.995	4.7	J-55	7700	8100	
4" Model D pkr	4	5985'	1.995					

PROCEDURE:

Note: All cement for squeezing will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.
Notify the BLM and OCD before any doing any cementing work.
Minimize the use of pipe dope during workover operations to protect the formation.

1. Notify Lease Operator. Determine if well is equipped with a piston. Have lease operator remove piston or if necessary have slick line unit recover piston and BH spring assembly.

2. Set and fill 400 bbl water tank with 2% KCL fluid. Place biocide and scale inhibitor (Technihib 763) in the water tank with the first load.

3. Install and test location rig anchors. Set flowback tank. Comply with all NMOCD, BLM, and ConocoPhillips safety regulations. MOL and RU daylight pulling unit.
4. **Conduct safety meeting for all personnel on location**. Complete JSA as appropriate for the work at hand.

5. Blow well down and if necessary, kill well with 2% KCL water. DO NOT USE FRESH WATER. ND tree, install BPV, and NU BOP. Test BOPE to 250 PSI low and 2500 PSI high.

6. PU tubing and pull out of Baker Model D seal assembly. POOH. Visually inspect tubing and note any corrosion, mud or scale. Contact Engr if decision needed to change out string.

7. Round-trip 4.5" casing scraper to top of packer. POOH. Set a 4.5" RBP (on wireline or on tubing) @ 5900', just above Baker Model D packer. TIH with 4.5" full bore packer to 5800'. Load the casing with 2% KCl water. Then set the packer and pressure test the RBP to 1000 PSI. Unset the packer and pressure test the casing to 500#. If casing leaks, then isolate casing / wellhead leak with a packer (and an additional RBP if necessary). If holes, isolate section and do pump in test, while monitoring braidenhead pressure. Contact Engr on next steps; cement design.

8. If the casing does not leak, then run CBL, and, if no changes, proceed to RIH w/ perf gun and perf squeeze holes at 1800'. **Note: Notify BLM / NMOCD 24 Hrs before perforating casing or pumping cement.** AND, if CBL run, get copies to them immediately also.

9. Drop or spot 10' of sand on the RBP. Squeeze the casing annulus. Attempt to circulate cement back to surface. WOC. PU 3.125" drill collars and 3.875" mill tooth bit. Drill out the cement and check for stringers below. Pressure test the squeeze to 500# for 30 minutes.

10. TOH with the bit and then LD the drill collars. PU and TIH with a 4.5" casing scraper to 1' above the RBP. Reverse circulate the well with clean 2% KCl water. TOH with scraper.

11. TIH and retrieving head and circulate well clean above the RBP. Swab down the fluid level. Then retrieve the RBP. TOH and LD the RBP. .

12. TIH and mill up/fish the Baker Model D packer. POOH. Proceed to RIH with bit and scraper to PBTD; circulate hole clean; POOH. RIH w/ muleshoe collar and F nipple. TIH with 2.375" tubing to 6100' +/- KB. Land tubing. **Note: Apply pipe dope to pin ends only and minimize amount used.**
Rabbit tubing per ConocoPhillips "Tubing Drift Procedure".

13. ND BOP and NU wellhead and flow line.

14. If necessary swab well to kick off production. If expendable check used, load tubing with 2% inhibited KCL and blow off expendable check.

15. RD and MOL. Return well to production.

Notify cathodic protection personnel after job is complete so cathodic protection equipment can be re-activated. Ensure pit closures done.