

Submit 1 Copy To Appropriate District Office:
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised August 1, 2011

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

WELL API NO.	30-025-01566
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	E-2429
7. Lease Name or Unit Agreement Name	Cockburn B State
8. Well Number	02
9. OGRID Number	217817
10. Pool name or Wildcat	Vacuum; Morrow
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	4095' GL

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.)

1. Type of Well: Oil Well Gas Well Other **HOBBSOCD**

2. Name of Operator
 ConocoPhillips Company

3. Address of Operator
 P. O. Box 51810
 Midland, TX 79710

4. Well Location
 Unit Letter H : 1980 feet from the North line and 660 feet from the East line
 Section 1 Township 18S Range 33E NMPM County Lea

RECEIVED

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Shut in Morrow/place in TA status <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips Company would like to place plug over Morrow around 13,299 and place this well in TA status to hold for potential Wolfcamp production per attached procedures. Attached is a current/proposed wellbore schematic.

*UP TO 4 YEARS
 PENDING REVIEW OF PRESSURE
 CHART. M&B.*

**Condition of Approval: notify
 OCD Hobbs office 24 hours
 prior of running MIT Test & Chart**

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rhonda Rogers TITLE Staff Regulatory Technician DATE 03/19/2015
 Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com PHONE: (432)688-9174

For State Use Only
 APPROVED BY: Mary Brown TITLE Dist Supervisor DATE 3/23/2015
 Conditions of Approval (if any):

MAR 26 2015 *MM*

Cockburn B State -2: TA Procedure
API 30-025-01566

Project Scope	
• Abandon Morrow completion:	13,410-13,450
Cockburn B State-2 is on October 2015 listing of OCD Inactive Wells. The well has been SI since last production in June 2013. Prior to SI, production was: 0.5 BOPD & 20 MCFPD (net production: 0.24 BOPD & 9.5 MCFPD).	
Conditioned upon pending Wolfcamp recompletion results from the Gach 31 State-2, if:	
Commercial:	the Cockburn B State-2 may be recompleted to the Wolfcamp.
Non-Commercial:	the Cockburn B State-2 may be P&A'd

Table 3: Well Control Information			
Estimated H2S (ppm)	0	Max anticipated MCFPD	0
100 ppm H2S ROE (ft)	0	Well Category	1
500 ppm H2S ROE (ft)	0	BOP Class	1

Table 4: Pipe Information									
Casing	OD (in)	Depth RKB (ft)	Weight (lb/ft)	Grade	ID (in)	Drift (in)	Burst (psi)	Collapse (psi)	Volume (bbl/ft)
Surface	11-3/4	surface- 314	42	NA	11.084	10.928	1,980 (H-40)	1,070 (H-40)	0.1193
Intermediate	8-5/8	surf - 2,564	24	NA	8.097	7.972	2,860 32# H-40	1,370 24# J-55	0.0636 0.0609
		2,564-3,064	32	NA	7.921	7.796			
Intermediate	7	surf - 2,001	20	J-55	6.456	6.331	3,740 4,360	2,270 3,270	0.0404 0.0393
		2,001- 4,410	23	J-55	6.366	6.241			
Production	4-1/2	surf- 13,313	11.6	P-110	4.000	3.875	10,690	7,560	0.0155
Tubing									
Production	2.375	surf-13,312	4.7	P-110	1.995	1.901	15,400	13,800	0.00387

Table 5: Perforations			
Type	Formation	Top (RKB): ft	Bottom (RKB): ft.
Perforations	MORROW	13,410	13,450
Possible post-frac sand fill		13,559	13,585
Cement		13,585	13,605
CIBP		13,605	13,608
Perforations	MISSISSIPPIAN	13,674	13,702
PBD		13,725	13,736
TD			13,736

Well Service Procedure: TA Morrow

- 1) Note & record SITP & SICP.

Cockburn B State -2: TA Procedure
API 30-025-01566

- 2) RU pump-truck.
Load & test 2-3/8" x 4-1/2" annulus @ 550 psig for 30 minutes.
Note & record load volume (annulus should be full w/ 6% KCl: 8.64 ppg; 0.449 psi/ft.)
RD pump-truck.
- 3) If annulus tests:
- a) Pump 6% KCl down 2-3/8", 4.7#, P-110 tbg equivalent to: $\text{bbl} = 0.0086 \times \text{SITP}(\text{psi}) + 5 \text{ bbl}$
(equivalent to approximately 500# overbalance)
 - b) Close master valve.
 - c) RU slick-line unit & crane.
 - d) NU lubricator & test at 500# over SITP.
 - e) Open master valve. Make gauge ring to 1.875" X-nipple @ 13,299. POOH.
 - f) RIH w/ plug w/ equalizing valve & set in 1.875" XN-profile nipple @ 13,312'. POOH.
(If unable to seat plug in XN-nipple @ 13,312, RIH w/ plug for 1.875" X-nipple @ 13,299)
 - g) Close master valve. ND lubricator.
 - h) Load 2-3/8", 4.7#, P-110 tbg w/ inhibited biocide-treated 6% KCl (tbg capacity: 52 bbl).
(SD sufficient period w/ tbg open to allow any entrained air to work to surface)
 - i) Test tbg @ 550 psig.
 - j) Re-test 2-3/8" x 4-1/2" annulus @ 550 psig for 30 minutes.
 - k) Notify OCD prior to running MIT.
 - l) Chart well @ 550 psig for 30 minutes.
 - m) File MIT w/ OCD.

If annulus does NOT test:

- a) MI & RU service unit.
- b) Note & record SITP & SICP.
- c) Pump 6% KCl down 2-3/8", 4.7#, P-110 tbg equivalent to: $\text{bbl} = 0.0086 \times \text{SITP}(\text{psi}) + 5 \text{ bbl}$
Pump 6% KCl down 2-3/8" x 4-1/2", 11.6# equivalent to: $\text{bbl} = 0.0225 \times \text{SICP}(\text{psi}) + 12 \text{ bbl}$
(equivalent to approximately 500# overbalance)
- d) ND well. NU BOP.
- e) Release PKR @ 13,300'. Allow well to equalize. POOH w/ tbg & PKR.
- f) RIH w/ tbg & CIBP (4-1/2", 11.6#). Set CIBP @ 13,325'
(within 100' of uppermost perforation: 13,410'; current PKR depth: 13,300-13,308).
- g) Circ well w/ inhibited biocide-treated 6% KCl. Test CIBP @ 600#.
- h) POOH & LD 2-3/8", 4.7#, P-110 tbg. Send tbg in for inspection.
- i) ND BOP. NU well.
- j) Re-test csg @ 550# for 30 minutes.
- k) RD well service unit.
- l) Notify OCD prior to running MIT.
- m) Chart well @ 550 psig for 30 minutes.
- n) File MIT w/ OCD.

District PERMIAN CONVENTIONAL	Field Name Vacuum Morrow	API / UWI 300250156600	County LEA	State/Province NEW MEXICO	
Original Spud Date 6/12/1961	Surface Legal Location Sec 1, T-18-S, R-33-E	East/West Distance (ft) 0.00	East/West Reference	North/South Distance (ft) 0.00	North/South Reference

Vertical - Original Hole, 3/17/2015 8:14:32 AM

