

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

| | | |
|--|--|---|
| 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.) | | WELL API NO. 30-025-01566 ✓ |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> HOBBSOCD | | 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator ConocoPhillips Company | | 6. State Oil & Gas Lease No. E-2429 |
| 3. Address of Operator P. O. Box 51810 Midland, TX 79710 | | 7. Lease Name or Unit Agreement Name Cockburn B State ✓ |
| 4. Well Location Unit Letter <u>H</u> : 1980 feet from the North line and 660 feet from the East line Section 1 Township 18S Range 33E NMPM County Lea | | 8. Well Number 02 ✓ |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4095' GL | | 9. OGRID Number 217817 |
| | | 10. Pool name or Wildcat Vacuum; Morrow |

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Shut in Morrow/place in TA status ☒

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 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.

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

UP TO 4 YEARS
PENDING REVIEW OF PRESSURE
CHART. MAB.

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: rogerr@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

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 | 1,370 | 0.0636 |
| | | 2,564-3,064 | 32 | NA | 7.921 | 7.796 | 32# H-40 | 24# J-55 | 0.0609 |
| Intermediate | 7 | surf - 2,001 | 20 | J-55 | 6.456 | 6.331 | 3,740 | 2,270 | 0.0404 |
| | | 2,001- 4,410 | 23 | J-55 | 6.366 | 6.241 | 4,360 | 3,270 | 0.0393 |
| 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: $bbl = 0.0086 \times SITP(psi) + 5 \text{ bbl}$
(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: $bbl = 0.0086 \times SITP(psi) + 5 \text{ bbl}$
Pump 6% KCl down 2-3/8" x 4-1/2", 11.6# equivalent to: $bbl = 0.0225 \times SICP(psi) + 12 \text{ bbl}$
(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.



Schematic - Current
COCKBURN B STATE COM 02

| | | | | |
|----------------------------------|---|---------------------------------|---------------------|-----------------------------------|
| 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

