

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS
HOBBS OCD

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

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 page 2.

RECEIVED
FEB 27 2012

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ConocoPhillips Company

3a. Address

3300 N "A" St Midland TX 79705

3b. Phone No (include area code)

(432)688-9174

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL: E, 1980' FNL & 660' FWL, Sec 27, 21S, 37E

5. Lease Serial No.

NMLC032096A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Lockhart A 27 #9

9. API Well No.

30-025-06802

10. Field and Pool or Exploratory Area

Blinebry O&G/Tubbs O&G

11. Country or Parish, State

LEA

NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☒ Other <u>Down Hole Cmg</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recompleate horizontally, give subsurface locations and 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

ConocoPhillips request to recompleate into the Blinebry (06660)/Tubbs (60240) and cmgl these 2 formations.

CIBP set @ 6320' over Drinkard (19190).
Perf Tubb @ 6003'-6210', acidize & frac.
Perf Blinebry @ 5487'-5705', acidize & frac

Attached is the current C-102 for the Blinebry (06660) & a C-102 for Tubb (60240).
Attached procedures.

Conditions of Approval: Approval to drill & test all new zones separate, but cannot produce Downhole commingle until DHC is approved in Hobbs District office according to R-11363

SUBJECT TO LIKE
APPROVAL BY STATE

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Rhonda Rogers

Title Staff Regulatory Technician

Signature

Date 01/24/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Date

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.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 page 2)

APPROVED

FEB 22 2012

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

MAY 02 2012

PROCEDURE

1. Spot 7 clean 500 bbl frac tanks. Load tanks w/ fresh water prior to frac date. Water to be biocide-treated by SLB.
2. MI & RU service unit. ND well (well is TA'd w/ RBP @ 6360 in-place 01.26.11. Well circulated w/ PKR fluid). NU hydril BOP. The following is a summary of the current well configuration:

Lockhart A 27-9 (API: 30-025-06802)			Elev.. 3427 DF, 3417 GL; Landing Flange: 3419
1980 FNL & 660 FWL, 27E-21S-37E			(DF 10 ft above GL; 8 ft. above Landing Flange)
	top	btm	
13-3/8", 48#, H-40	surface	209	09.01.47: Cmt w/ 200 sx. Cmt circ to surface
9-5/8", 36#, H-40	surface	2749	09.09.47: Cmt w/ 500 sx. TOC @ 1460 per TS
5-1/2", 14#, J-55	surface	88	10.05.47 Cmt w/ 500 sx. TOC @ 4248 per TS
5-1/2", 17#, J-55	88	4242	
5-1/2", 17#, N-80	4242	6576	
RBP 5-1/2", 17#	6360	6363	01.26.11 Well TA'd (06.01.11 logger PBD: 6344)
Perforated Intervals	6368	6465	12.28.82: Selectively perforate @ 1spf 6368, 6376, 6383, 6391, 6410, 6417
			6429, 6438, 6448, 6452, 6456, 6465
	6493	6502	12.24.47. Perforated @ 6 spf
	6518	6523	12.24.47: Perforated @ 6 spf
	6525	6528	12.24.47 Perforated @ 6 spf
	6535	6538	12.24.47. Perforated @ 6 spf
	6550	6568	12.22.82: Selectively perforate @ 4 spf: 6550, 6552, 6560, 6562 & 6568
Squeezed Perforated Intervals	6548	6655	10.11.47. Perforated @ 6 spf Squeezed 12.24.47
	6558	6564	10.11.47 Perforated @ 6 spf. Squeezed 12.24.47
	6567	6572	10.08.47 Perforated @ 8 spf. Squeezed 12.24.47
CIBP 5-1/2", 17#	6575	6576	12.22.82
4-3/4" OH Section	6577	6677	12.19.47 Deepen well from csg shoe @ 6576 to 6677 (Sq 12.24.47)

3. PU & RIH w/ 2-7/8", 6.5#, J-55 tbg & RBP retrieving head. Release RBP @ 6360. POOH w/ tbg & RBP.

RIH w/ tbg & CIBP (5-1/2", 17#). Set CIBP @ 6320 (csg collar: 6308). Circ well w/ 2% KCl (well capacity w/ tbg: 132.7 bbl). POOH w/ tbg.

RIH w/ tbg & PKR. Set PKR @ 6315 Test CIBP at 3500# surface prs. (bottom-hole test prs: 6250#; anticipated bottom-hole frac treating prs: 6000#).

Re-set PKR @ 5000. Test csg below PKR @ 3500#. POOH w/ tbg & PKR.

4. RU SLB. NU lubricator & test @ 500#.

Perforate following Tubb intervals at 2 spf @ 60-degree phasing w/ 3-3/8", HSD PowerJet 3406, HMX, 22.8 gm. (EHD: 0.37 in.; Penetration: 37 in.)...collars recorded on recent SLB CNL/Spectral GR/CCL of 06.01.11:

Interval	Feet	SPF	Perforations
6003-6008	5	2	10
6025-6035	10	2	20
6046-6056	10	2	20
6081-6091	10	2	20
6103-6113	10	2	20
6130-6140	10	2	20
6168-6178	10	2	20
6188-6198	10	2	20
6205-6210	5	2	10
Total	80	2	160

5. RIH w/ tbg, PKR & RBP. Acidize Tubb perforations w/ total 8000 gal 15% NE Fe HCl:

Acidize Intervals: 6168-6178, 6188-6198 & 6205-6210 w/ 2500 gal 15% HCl

- Set RBP @ 6230 (between csg collars: 6221 & 6238)
- Pull EOT to 6210. Pump 33.9 bbl (1422 gal) 15% NE Fe HCL
- SD and allow well to equalize (est acid column: 362-6210)
- PUH & set PKR @ 6150 (between perfs: 6140 & 6168; csg collars: 6143 & 6164)
- Pump additional 25.7 bbl (1078 gal) 15% NE Fe HCl.
Flush w/ 50 bbl 2% KCl (13.0 bbl over-flush). AIR: 2 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Intervals: 6081-6091, 6103-6113 & 6130-6140 w/ 3000 gal 15% HCl

- Set RBP @ 6150 (between csg collars: 6143 & 6164)
- Pull EOT to 6140. Pump 33.5 bbl (1406 gal) 15% NE Fe HCl
- SD and allow well to equalize (est acid column: 357-6140)
- PUH & set PKR @ 6070 (between perfs 6056 & 6081; csg collar: 6061)
- Pump additional 38.0 bbl (1594 gal) 15% NE Fe HCl.
Flush w/ 50 bbl 2% KCl (13.2 bbl over-flush). AIR: 2 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Intervals: 6003-6008, 6025-6035 & 6046-6056 w/ 2500 gal 15% HCl

- Set RBP @ 6070 (between perfs 6056 & 6081, csg collar: 6061)
- Pull EOT to 6056 Pump 33.0 bbl (1387 gal) 15% NE Fe HCl
- SD and allow well to equalize (est acid column: 350-6056)
- PUH & set PKR @ 5955 (between csg collars: 5945 & 5964)
- Pump additional 26.5 bbl (1113 gal) 15% NE Fe HCl.
Flush w/ 50 bbl 2% KCl (13.2 bbl over-flush). AIR: 2 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

POOH w/ tbg, PKR & RBP.

6. PU & RIH w/ 3-1/2", 9.3#, N-80 tbg w/ PKR (5-1/2", 17#). Test tbg @ 8500# while RIH (3-1/2", 9.3#, N-80 Internal Yield Prs: 10,160#).

Set PKR @ 5800 (csg collars: 5790 & 5810). Test 3-1/2" x 5-1/2" annulus & PKR @ 500#.

7. RU SLB. Set treating line pop-off to release @ 8500#.

Set pump trips @ 8300#.

Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#.

Load 3-1/2" x 5-1/2" annulus. Note annulus fill volume. Place 200# on csg.

Test surface lines @ 9000#.

ProTechnic to tag frac (Ir-192 @ 0.425 mCi per 1000# 20/40 Premium White & Sb-124 @ 0.4 miC per 1000# 20/40 Super LC)

Frac 6003-6210 down 3-1/2", 9.3#, N-80 tbg w/ 200,000 gal YF120ST & 125,000# 20/40 Premium White sand & 22,500# 20/40 Super LC. Mark flush @ 1#. Flush w/ 2250 gal WF110 (capacity to uppermost perforation: 2317 gal; 55.2 bbl). Anticipated treating rate: 25 BPM @ 8000#:

	Fluid	Proppant	Clean Vol.		Proppant		Slurry Vol		Pump Time @ 25 BPM	
			gal	bbl	ppg	lbs	gal	bbl	min	cum min
Pad	YF120ST		30000	714.3	0.00	0	30000	714.3	28.6	28.6
Stage	YF120ST	20/40 Premium White	2500	59.5	0.25	625	2528	60.2	2.4	31.0
Stage	YF120ST	20/40 Premium White	2500	59.5	0.50	1250	2557	60.9	2.4	33.4
Stage	YF120ST	20/40 Premium White	2500	59.5	0.75	1875	2585	61.5	2.5	35.9
Stage	YF120ST	20/40 Premium White	2500	59.5	1.00	2500	2613	62.2	2.5	38.4
Stage	YF120ST	20/40 Premium White	5000	119.0	1.25	6250	5283	125.8	5.0	43.4
Stage	YF120ST	20/40 Premium White	5000	119.0	1.50	7500	5340	127.1	5.1	48.5
Stage	YF120ST	20/40 Premium White	5000	119.0	1.75	8750	5396	128.5	5.1	53.6
Stage	YF120ST	20/40 Premium White	5000	119.0	2.00	10000	5453	129.8	5.2	58.8
Stage	YF120ST	20/40 Premium White	7500	178.6	2.25	16875	8264	196.8	7.9	66.7
Stage	YF120ST	20/40 Premium White	7500	178.6	2.50	18750	8349	198.8	8.0	74.6
Stage	YF120ST	20/40 Premium White	7500	178.6	2.75	20625	8434	200.8	8.0	82.7
Stage	YF120ST	20/40 Premium White	7500	178.6	3.00	22500	8519	202.8	8.1	90.8
Stage	RCP YF120ST	20/40 Super LC	10000	238.1	3.00	30000	11359	270.5	10.8	101.6
Flush	WF110		2250	53.6	0	0	2250	53.6	2.1	103.7
			102250	2434.5		147500	108932	2593.6		

Report ISIP, SITP(5 min), SITP(10 min) & SITP(15 min). RD SLB. SDON.

8. SION to allow resin-coated sand to cure. Flow back well until dead. POOH w/ 3-1/2", 9.3#, N-80 frac string & PKR
9. RIH w/ tbg, PKR & RBP-2 (5-1/2", 17#). Set RBP-2 @ 5800 (csg collars: 5790 & 5810). Set PKR @ 5795. Test RBP-2 @ 3500#. POOH w/ tbg & PKR
10. RU SLB. NU lubricator & test @ 500#.

Perforate following Blinebry intervals @ 60-degree phasing w/ 3-3/8", HSD PowerJet 3406, HMX, 22.8 gm. (EHD: 0.37 in.; Penetration: 37 in.)...collars recorded on recent SLB CNL/Spectral GR/CCL of 06.01.11:

Interval	Feet	SPF	Perforations
5487-5492	5	2	10
5506-5521	15	2	30
5535-5540	5	2	10
5552-5557	5	2	10
5617-5622	5	2	10
5652-5662	10	2	20
5675-5705	30	2	60
Total	75	2	150

11. RIH w/ tbg, PKR & RBP. Acidize Blinebry perforations w/ total 7500 gal 15% NE Fe HCl:

Acidize Intervals: 5617-5622, 5652-5662 & 5675-5705 w/ 4500 gal 15% HCl

- Set RBP @ 5720 (between csg collars: 5708 & 5728)
- Pull EOT to 5705. Pump 31.1 bbl (1307 gal) 15% NE Fe HCl
- SD and allow well to equalize (est acid column in tbg: 329-5705)
- PUH & set PKR @ 5600 (between csg collars: 5586 & 5609)
- Pump additional 76.0 bbl (3193 gal) 15% NE Fe HCl.
Flush w/ 50 bbl 2% KCl (15.1 bbl over-flush). AIR: 2 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

Acidize Intervals: 5487-5492, 5506-5521, 5535-5540 & 5552-5557 w/ 3000 gal 15% HCl

- Set RBP @ 5575 (between csg collars: 5564 & 5586)
- Pull EOT to 5557. Pump 30.3 bbl (1273 gal) 15% NE Fe HCl
- SD and allow well to equalize (est acid column in tbg: 321-5557)
- PUH & set PKR @ 5450 (between csg collars: 5442 & 5460)
- Pump additional 41.1 bbl (1727 gal) 15% NE Fe HCl.
Flush w/ 50 bbl 2% KCl (16.0 bbl over-flush). AIR: 2 BPM @ 3000#
- Record ISIP, SITP(5 min), SITP(10 min) & SITP(15 min).

POOH w/ tbg, PKR & RBP.

12. RIH w/ 3-1/2", 9.3#, N-80 tbg w/ PKR (5-1/2", 17#). Test tbg @ 8500# while RIH (3-1/2", 9.3#, N-80 Internal Yield Prs. 10,160#).

Set PKR @ 5275 (csg collars: 5263 & 5284). Test 3-1/2" x 5-1/2" annulus & PKR @ 500#.

13. RU SLB. Set treating line pop-off to release @ 8500#.

Set pump trips @ 8300#.

Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#.

Load 3-1/2" x 5-1/2" annulus. Note annulus fill volume. Place 200# on csg

Test surface lines @ 9000#.

ProTechnic to tag frac (Sc-46 @ 0.425 mCi per 1000# 20/40 Premium White & Sb-124 @ 0.4 mCi per 1000# 20/40 Super LC)

Frac 5487-5705 down 3-1/2", 9.3#, N-80 tbg w/ 200,000 gal YF120ST & 125,000# 20/40 Premium White sand & 22,500# 20/40 Super LC. Mark flush @ 1#. Flush w/ 2050 gal WF110 (capacity to uppermost perforation: 2134 gal; 50.8 bbl). Anticipated treating rate: 25 BPM @ 8000#:

	Fluid	Proppant	Clean Vol.		Proppant		Slurry Vol		Pump Time @ 25 BPM	
			gal	bbl	ppg	lbs	gal	bbl	min.	cum min.
Pad	YF120ST		30000	714.3	0.00	0	30000	714.3	28.6	28.6
Stage	YF120ST	20/40 Premium White	2500	59.5	0.25	625	2528	60.2	2.4	31.0
Stage	YF120ST	20/40 Premium White	2500	59.5	0.50	1250	2557	60.9	2.4	33.4
Stage	YF120ST	20/40 Premium White	2500	59.5	0.75	1875	2585	61.5	2.5	35.9
Stage	YF120ST	20/40 Premium White	2500	59.5	1.00	2500	2613	62.2	2.5	38.4
Stage	YF120ST	20/40 Premium White	5000	119.0	1.25	6250	5283	125.8	5.0	43.4
Stage	YF120ST	20/40 Premium White	5000	119.0	1.50	7500	5340	127.1	5.1	48.5
Stage	YF120ST	20/40 Premium White	5000	119.0	1.75	8750	5396	128.5	5.1	53.6
Stage	YF120ST	20/40 Premium White	5000	119.0	2.00	10000	5453	129.8	5.2	58.8
Stage	YF120ST	20/40 Premium White	7500	178.6	2.25	16875	8264	196.8	7.9	66.7
Stage	YF120ST	20/40 Premium White	7500	178.6	2.50	18750	8349	198.8	8.0	74.6
Stage	YF120ST	20/40 Premium White	7500	178.6	2.75	20625	8434	200.8	8.0	82.7
Stage	YF120ST	20/40 Premium White	7500	178.6	3.00	22500	8519	202.8	8.1	90.8
Stage	RCP YF120ST	20/40 Super LC	10000	238.1	3.00	30000	11359	270.5	10.8	101.6
Flush	WF110		2050	48.8	0	0	2050	48.8	2.0	103.6
			102050	2429.8		147500	108732	2588.9		

Report ISIP, SITP(5 min), SITP(10 min) & SITP(15 min). RD SLB. SDON.

14. SION to allow resin-coated sand to cure. Flow back well until dead. POOH w/ 3-1/2", 9.3#, N-80 frac string & PKR.
15. RIH w/ 2-7/8", 6.5#, J-55 tbg w/ RBP retrieving head. Clean out sand to RBP-2 @ 5800. POOH w/ tbg & RBP-2.
16. RIH w/ 2-3/8", 4 7#, J-55 tbg w/ 4-3/4" bit & 5-1/2", 17# csg scraper. Tag for fill (lowermost perforation: 6210; CIBP: 6320).....may be approximately 15-20 ft of resin-coated sand fill POOH w/ tbg, bit & scraper.
17. RU slick-line unit. NU lubricator. RIH w/ ProTechnic post-frac SpectraScan Spectral Gamma Ray memory tool. Log from CIBP @ 6320 to 5200 (gross completion interval: 5487-6210).

POOH. ND & LD lubricator
18. Down hole equip w/ PROPOSED design in WellView. Anticipated surface production @ 100% runtime: 50 BPD. Estimated post-frac load volume 5,700 bbl.

RD well service unit.