

N. M. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR

CONOCO INC.

3. ADDRESS OF OPERATOR

P. O. Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1980' FNL & 1980' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) complete ☒

Drinkard T.A.

5. LEASE

LC-031741(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

NMFU

8. FARM OR LEASE NAME

Hawk A

9. WELL NO.

6

10. FIELD OR WILDCAT NAME

Drinkard

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 8, T-21S, R-37E

12. COUNTY OR PARISH

Lea

13. STATE

NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

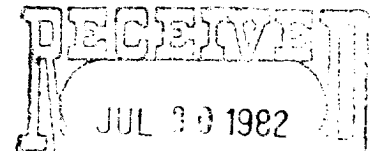
(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We propose to complete the subject well as a Blinberry oil well.

See attachments for procedures and BOP specs.

No additional surface disturbance required.



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ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Wm. A. Butler TITLE Administrative Supervisor DATE July 29, 1982

APPROVED

(This space for Federal or State office use)

APPROVED BY (Orig. Sgd.) Peter W. Gillham TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

AUG 6 1982

FOR

JAMES A. GILLHAM

DISTRICT SUPERVISOR *See instructions on Reverse Side

HAWK "A" NO. 6

BLINEBRY COMPLETION

WELL DATA:

TD: 6819'

ELEVATION: 3536' GL

ZERO: 10' AGL

LOCATION: 1980' FNL & 1980' FEL, Section 8, T-21S, R-37E, Lea County, New Mexico

CASING: 8-5/8", 24#, J-55 Surface String @ 1330' w/600 sx. (circ.)
5-1/2", 14#, J-55 Production String @ 6819' w/640 sx. TCO @ +3125'
(Temp. Survey)

PERFORATIONS: 6574' - 6724' (Drinkard) 17 Perforations

MISC: Tight spot @ +5030' Dressed out w/4-7/8" tapered mill on 6-1-81.

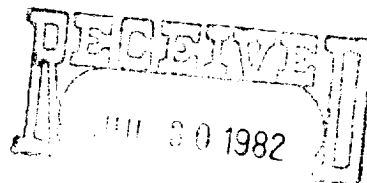
RECOMMENDED PROCEDURE:

1. Rig up and if necessary, kill well w/produced water.
2. POOH with rods and pump.
 - A. Install BOP.
 - B. POOH w/2-3/8" tubing and tally.
3. GIH with 4-3/4" bit, 5-1/2" casing scraper and 2-3/8" tubing.
 - A. Run bit to +6500'.
 - B. POOH with 2-3/8" tubing, 5-1/2" casing scraper and 2-3/8" tubing.
4. GIH w/5-1/2" retrievable bridge plug, setting-releasing tool, and 2-3/8" tubing.
 - A. Set retrievable bridge plug @ +6500'.
 - B. Pressure test retrievable bridge plug w/1000 psi.
 - C. Spot 5' sand on retrievable bridge plug.
 - D. Spot 168 Gals. (4 bbls) 15% HCL-NE-FE (Inhibit acid for 48 hrs. @ 110°F) from +5924' to +5756'.
 - E. POOH w/2-3/8" tubing and setting-releasing tool.
5. GIH with 4" decentralized select-fire perforating gun (0° phasing, 1 JSPF, & 0.40" EHD), collar locator, and wireline.
6. Perforate Lower Blinebry Horizon @ 5796', 5800', 5807', 5818', 5821', 5839', 5844', 5848', 5861', 5864', 5871', 5874', 5895', 5899', 5922', & 5924'. (Total: 16 Perfs)

NOTE: Interval Is To Be Perforated From Top To Bottom.

Collars located @ 5755', 5787', 5819', 5851', 5885-', 5915+', & 5948-'.

7. POOH with wireline, collar locator, and 4" perforating gun.



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ROSWELL, NEW MEXICO

8. Pick up and GIH with 5-1/2" retrievable bridge plug, setting-releasing tool, 5-1/2" packer, S.N., and 2-7/8" workstring.
 - A. Set retrievable bridge plug @ +6000'.
 - B. Pressure test retrievable bridge plug w/1000 psi via packer.
 - C. Spot 5' sand on top of retrievable bridge plug.
 - D. Set packer @ +5650'.
 - E. Load backside with 2% KCL TFW w/1 gal. Adomall per 1000 gals.
 - F. Pressure backside with 800 psi.
9. Breakdown Lower Blinebry (5796' to 5924') through 2-7/8" workstring @ 8 BPM with a maximum surface treating pressure of 4200 psi as follows:

NOTE: Monitor Backside During Breakdown.

 - A. Pump 1344 gallons (32 bbls) 15% HCL-NE-FE (inhibit acid for 48 hrs. @ 110°F)
 1. Release 2 ballsealers after every 2 bbls. acid pumped.
(Total: 32 ballsealers)
 2. Attempt to achieve ball out.
 - B. Flush with 40 bbls. 2% KCL TFW w/1 gallon Adomall per 1000 gals.
10. Release packer @ +5650'.
 - A. Run packer through perforations, knocking off ballsealers.
 - B. Set packer @ +5650'.
 - C. Load backside w/2% KCL TFW w/1 gallon Adomall per 1000 gals.
 - D. Pressure backside with 800 psi.
11. Sand fracture Lower Blinebry (5796' to 5924') through 2-7/8" workstring in two stages as follows:

Maximum Surface Treating Pressure: See Pressure-Rate Graph.

Optimum Pump Rate: 17 BPM

Estimated Surface Treating Pressure: 4200 psi.

NOTE: Monitor Backside During Frac.

- A. Pump 3612 gals. (86 bbls.) 40# gelled TFW pad.
- B. Pump 1386 gals. (33 bbls.) 40# gelled TFW w/1 PPG 20/40 sand.
- C. Pump 1386 gals. (33 bbls.) 40# gelled TFW w/1.5 PPG 20/40 sand.
- D. Pump 2058 gals. (49 bbls.) 40# gelled TFW w/2 PPG 20/40 sand.
- E. Pump 2730 gals. (65 bbls.) 40# gelled TFW w/2.5 PPG 20/40 sand.
- F. Pump 4746 gals. (113 bbls) 40# gelled TFW w/3 PPG 20/40 sand.
- G. Pump 1386 gals. (33 bbls.) 40# gelled TFW w/3 PPG 10/20 sand.
- H. Release 8 ballsealers.
- I. Repeat steps A through G for second stage.
- I. Flush to end of tubing w/33 bbls. 40# gelled TFW.
- J. Record ISIP and pressures every five minutes for fifteen minutes.
- K. S.I.O.N.

VOLUMES OF SAND FRACTURE

40# Gelled TFW	32,382 gals. (771 bbls.)
20/40 Sand	57,282 lbs.
10/20 Sand	8,316 lbs.

RECEIVED
AUG 9 1982
C. C. D.
HOBBS OFFICE

HAWK "A" NO. 6
BLINEBRY COMPLETION

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Composition of Frac Fluid Per 1000 Gallons
(Dresser Titan)

2% KCL
40 lbs. LFW-42 (Gelling Agent)
25 lbs. Adomite Agua (FLA)
1 gal. TFS-1000 (Surfactant)
2 lbs. W. G. Breaker F
1 gal. N-11 (Non-Emulsifier)

12. Swab back load (breakdown and frac).
13. Release packer @ +5650'.
 - A. Release retrievable bridge plug @ +6000'.
 - B. Set retrievable bridge plug @ +5780'.
 - C. Pressure test retrievable bridge plug w/1000 psi via packer.
 - D. Spot 5' sand on retrievable bridge plug.
 - E. Spot 126 gallons (3 bbls) 15% HCL-NE-FE (inhibit acid for 48 hrs. @ 110°F) from +5770' to +5644'.
 - F. POOH w/2-7/8" workstring, S.N., 5-1/2" packer, and setting-releasing tool.
14. GIH with 4" decentralized select-fire perforating gun (1 JSPF, 0° phasing, and 0.40" EHD), collar locator, and wireline.
15. Perforate Upper Blinebry @ 5687', 5691', 5712', 5715', 5742', 5747', 5767', & 5770'. (Total: 8 perfs)

NOTE: Interval Is To Be Perforated From Top To Bottom.

Collars located @ 5628', 5660-', 5692-', 5722+', & 5755'.

16. POOH with wireline, collar locator, and 4" perforating gun.
17. GIH with setting-releasing tool, 5-1/2" packer, S.N., 2-7/8" workstring.
 - A. Set packer @ +5550'.
 - B. Load backside with 2% KCL TFW w/1 gallon Adomall per 1000 gals.
 - C. Pressure up backside with 800 psi.
18. Breakdown Upper Blinebry (5687'-5770') through 2-7/8" workstring @ 8 BPM with a maximum surface treating pressure of 4200 psi as follows:

NOTE: Monitor Backside During Breakdown.

- A. Pump 672 gals. (16 bbls.) 15% HCL-NE-FE (inhibit acid for 24 hrs. @ 110°F)
 1. Release 2 ballsealers after every 2 bbls. acid pumped.
(Total: 16 ballsealers)
 2. Attempt to achieve ballout.
- B. Flush with 35 bbls. 2% KCL TFW w/1 gallon Adomall per 1000 gals.

HAWK "A" NO. 6
BLINEBRY COMPLETION

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19. Release packer @ +5550'.
 - A. Run packer through perforations, knocking off ballsealers.
 - B. Set packer @ +5550'.
 - C. Load backside with 2% KCL TFW w/1 gallon Adomall per 1000 gals.
 - D. Pressure backside with 800 psi.
20. Sand fracture Upper Blinebry (5687' to 5770') through 2-7/8" tubing in one stage as follows:

Maximum Surface Treating Pressure: See Pressure-Rate Graph.

Optimum Pump Rate: 17 BPM

Estimated Surface Treating Pressure: 4200 psi.

NOTE: Monitor Backside During Frac.

- A. Pump 3612 gals. (86 bbls.) 40# gelled TFW pad.
- B. Pump 1386 gals. (33 bbls.) 40# gelled TFW w/1 PPG 20/40 sand.
- C. Pump 1386 gals. (33 bbls.) 40# gelled TFW w/1.5 PPG 20/40 sand.
- D. Pump 2058 gals. (49 bbls.) 40# gelled TFW w/2 PPG 20/40 sand.
- E. Pump 2730 gals. (65 bbls.) 40# gelled TFW w/2.5 PPG 20/40 sand.
- F. Pump 4746 gals. (113 bbls.) 40# gelled TFW w/3 PPG 20/40 sand.
- G. Pump 1386 gals. (33 bbls.) 40# gelled TFW w/3 PPG 10/20 sand.
- H. Flush to end of tubing w/32 bbls. 40# gelled TFW.
- I. Record ISIP and pressures every five minutes for fifteen minutes.
- J. S.I.O.N.

VOLUMES OF SAND FRACTURE

40# Gelled TFW	17,304 gals. (412 bbls.)
20/40 Sand	28,641 lbs.
10/20 Sand	4,158 lbs.

Composition of Frac Fluid Per 1000 Gallons
(Dresser Titan)

2% KCL
40 lbs. LFW-42 (Gelling Agent)
25 lbs. Adomite Aqua (FLA)
1 gal. TFS-1000 (Surfactant)
2 lbs. W.G. Breaker F
1 gal. N-11 (Non-Emulsifer)

21. Swab back load (breakdown and frac).
22. Release packer @ +5550'.
 - A. Release retrievable bridge plug @ +5780'.
 - B. POOH and lay down 2-7/8" tubing, S.N., 5-1/2" packer, setting-releasing tool, and 5-1/2" retrievable bridge plug.

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BLINEBRY COMPLETION

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23. GIH w/open-ended mud anchor, S.N., and 2-3/8" tubing.
A. Hydro-test tubing with 5000 psi above slips.
B. Land S.N. @ +5920'.
C. GIH w/strainer, pump and rods.
D. Hang well on and place well on production.

Joe L. Sprague

PRODUCTION ENGINEER

J.B. Hecht

SUPERVISING PRODUCTION ENGINEER

DIVISION ENGINEER

DRILLING SUPERINTENDENT

7-22-82

DATE

7-27

DATE

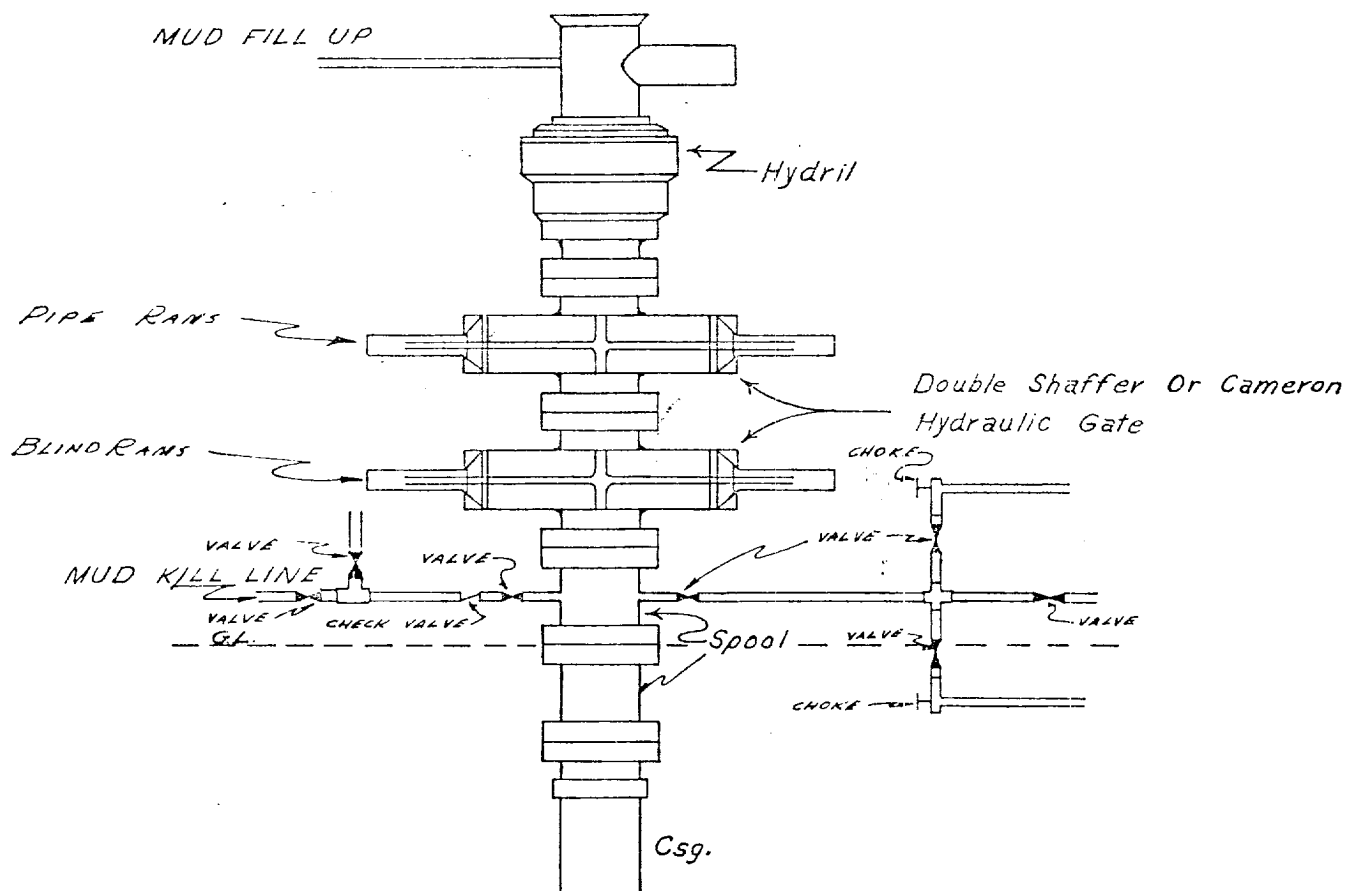
DATE

DATE

CC: WELL FILE, DLW, LBD, HDM (4), FEP, CRP, JLS

REF - 100
AUG 9 1982
O. C. P.
HOBBS OFFICE

CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications



API Series 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

**DUE TO SUBSTRUCTURE CLEARANCE,
HYDRIL MAY OR MAY NOT BE USED.**