

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPY TO O. G. C.

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 ☐ other ☐
well well
2. NAME OF OPERATOR
Continental Oil Co
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: *660' FSL and 1980' FCL*
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

☐
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☐

RECEIVED

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

APR 25 1979

U. S. GEOLOGICAL SURVEY
MOSCOW, IDAHO

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.)*

In order to develop Penrose Skelly Pool oil reserves and prevent offset drainage, it is proposed to dual complete this zone with the existing Eumont Pool gas completion.

RECOMPLETION PROCEDURE

1. Rig up. Kill well w/calcium carbonate slug pumped in foamed KCl water.
2. Lower 2 3/8" tbg. to 4000'. Tag for fill. C.O. to 4000' if necessary. Spot 215 gallons 15% NE-HCl acid from 3850' to 3720'. POOH.

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

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

SIGNED *Wm A. Butler* TITLE *Admin. Supr* DATE *4-20-79*

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

USGS 5
NMFU 4
FILE

TITLE _____

DATE

APPROVED

APR 25 1979

ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

3. G.I.H. w/4" hole, carrier decentralized select re casing gun, 0° phasing, 1 JSPF. Perforate the Grayburg Formation @ 3773', 3782', 3790', 3795', 3810', 3820', 3826', (7 holes). Perforate from top to bottom of interval. (Casing collars @ 3715'+, 3744'+, 3778', 3810'+, 3843'+). POOH.
4. G.I.H. w/2 7/8" tbg. and treating packer. Set packer @ +3730'. Breakdown Grayburg perforations from 3773'-3826' w/1500* gallons 15% NE-HCl acid @ 4 BPM utilizing 14 - 7/8" RCN ballsealers. Release two ballsealers every 200 gallons (4.8 bbls.). Run packer down thru perforations to free ballsealers. Set pkr. @ 3730'.
*215 gal./perf or 43 gal./ft. NEP (NEP ≈ 35')
5. Fracture treat Grayburg perms @ 3773'-3826' @ 9 BPM thru 2 7/8" tbg. w/the following treatment
Estimated WHTP = 3200 psi. Casing burst pressure - 4300 psi.
 (A) 3500 gal. (83 bbl.) gelled fluid pad.
 (B) 2000 gal. (48 bbl.) frac fluid w/1/2 PPG. "20-40" mesh sand.
 (C) 2000 gal. (48 bbl.) frac fluid w/1 PPG. "20-40" mesh sand.
 (D) 3000 gal. (71 bbl.) frac fluid w/1 1/2 PPG. "20-40" mesh sand.
 (E) 5000 gal. (119 bbl.) frac fluid w/2 PPG. "20-40" mesh sand.
 (F) 6000 gal. (143 bbl.) frac fluid w/2 1/2 PPG. "20-40" mesh sand.
 (G) 6000 gal. (143 bbl.) frac fluid w/3 PPG. "20-40" mesh sand.
 (H) Flush to 50' above top perf. Do not overflush.
 Total gelled fluid volume - 27,500 gal. (655 bbls.)
 Total frac sand weight - 50,500#
6. Record ISIP & @ 5 min. intervals for 15 min. SION. Swab well in.
7. POOH R.I.H. w/2 3/8" tbg., dual production pkr. vent string, & S.N. Set pkr. @ 3730' & S.N. @ 3830'.
8. Pump 2000 gal. 70 quality foamed 15% NE-HCl acid down annulus to dissolve calcium carbonate plug at Eumont perms. Increase rate up to 3-4 BPM as pressure permits.
9. Install production facilities & place well on test. Report results to Division Office.

FRAC FLUID COMPOSITION - WESTERN

- A) 170#/M gal. KCl clay swelling control
- B) 30#/M gal. J-13 gelling agent
- C) 25#/M gal. Aqua seal II fluid loss additive
- D) 5#/M gal. P-4 Ph control
- E) 2 gal./M gal. FS-2 fluorocarbon surfactant
- F) 1 gal./M gal. TIC complexer
- G) 1#/M gal. B-11 breaker