COPY TO O. C. C.

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: LC 031670 B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [x] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

7. UNIT AGREEMENT NAME: Warren

8. FARM OR LEASE NAME: Warren Unit

2. NAME OF OPERATOR: Continental Oil Company

9. WELL NO.: 50

3. ADDRESS OF OPERATOR: P.O. Box 460 Hobbs, N.M. 88240

10. FIELD AND POOL, OR WILDCAT: ~~Warren Tubb~~ Blinebry

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface: 660' FNL and 1650' FEL

At top prod. interval reported below: same

At total depth: same

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 29, T-20S, R-38E

14. PERMIT NO.: | DATE ISSUED:

12. COUNTY OR PARISH: Lea | 13. STATE: N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9-3-78	9-18-78	10-21-78	3542.7' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6750' GR	6713'	dual	→	rotary	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5789-6001' BLINEBRY

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR CNL FDC DLL MSFL caliper

27. WAS WELL CORED: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36	1390 KB	12 1/4	550 sx	circ 75 sx
7	23, 26	6760 KB	8 1/4	1870 sx	circ 175 sx

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6030'	SN @ 5992

31. PERFORATION RECORD (Interval, size and number)

5790-5909 w/ 1 JSPF
5962-5999 w/ 2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5790-5909	1500 gals 15% HCl-NE, 11,750 gals frac fluid, 20,000# 20/40 sd
5962-5999	1000 gals 15% HCl-NE, 14000 gals gelled fluid, 20,500# 20/40 sd

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10/21/78	pumping	prod

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/27/78	24	—	→	37	15	4	405

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
—	—	→	37	15	4	38.2

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): sold

TEST WITNESSED BY: W. J. Cates

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Administrative Supervisor DATE 10/30/78

*(See Instructions and Spaces for Additional Data on Reverse Side)

USGS 6
NMOCC 4
File

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Redbeds	0	1395	
Anhy.		1485	
" , Salt		2550	
Dolo., Ss.		5450	
Dolo.,		6374	
" , Ss,		6668	
Dolo.		TD	

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Rustler	1395	
Salado	1485	
Tansill	2550	
Yates	2690	
Glorieta	5394	
Blinebry Marker	5881	
Tubb	6374	
Drinkard	6668	

U.S. GOVERNMENT PRINTING OFFICE: 1963 O-683636

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

7. UNIT AGREEMENT NAME: Warren Unit
8. FARM OR LEASE NAME: Warren Unit
9. WELL NO.: 50
10. FIELD AND POOL, OR WILDCAT: Warren Tubb
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 29, T-20S, R38E

2. NAME OF OPERATOR: CONTINENTAL OIL COMPANY
3. ADDRESS OF OPERATOR: P. O. Box 460, Hobbs, NM 88240
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 660' FNL & 1650' FEL
At top prod. interval reported below: same
At total depth: same

14. PERMIT NO. | DATE ISSUED
12. COUNTY OR PARISH: Lea | 13. STATE: N.M.

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9-3-78	9-18-78	10/21/78	3542.7' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6750' GR	6713'	dual	→	Rotary	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6483-6684 Tubb
25. WAS DIRECTIONAL SURVEY MADE: yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR, CNL, FDC, DLL, MSFL, Caliper
27. WAS WELL CORED: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36	1390' KB	12 1/4	550 sx	circ 75 sx
7"	23, 26	6760' KB	8 1/4	1870 sx	circ 175 sx

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6682'	SN @ 6650'

31. PERFORATION RECORD (Interval, size and number): 6485-6538', 6591-6681' w/2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6485-6538'	1200 gals 15% HCl-NE, 17,500 gals TFW, 26000# 20/40 sd.
6591-6681'	1600 gals 15% HCl-NE, 23,500 gals TFW, 35,500# 20/40 sd.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10/27/78	pumping	prod

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/27/78	24	—	→	45	248	4	5511

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
—	—	→	36	248	4	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): sold
TEST WITNESSED BY: W. D. Carter
35. LIST OF ATTACHMENTS:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: Wm. R. Butterfield TITLE: Administrative Supervisor DATE: 10/30/78

*(See Instructions and Spaces for Additional Data on Reverse Side)

USGS 6
NMOCC 4
File

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" , Salt		2550	
Dolo., SS.		5450	
Dolo.		6374	
" , SS.		6668	
Dolo.		TD	

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