

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Continental Oil Company						7. UNIT AGREEMENT NAME Warren	
3. ADDRESS OF OPERATOR Box 460, Hobbs, NM 88240						8. FARM OR LEASE NAME Warren Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface: 660' FSL & 1980' FWL OF SEC. 21 At top prod. interval reported below: Same At total depth: Same						9. WELL NO. 43	
14. PERMIT NO.						12. COUNTY OR PARISH Hobbs	13. STATE N.M.
15. DATE SPUDDED 11-30-76						18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3549' GR	
16. DATE T.D. REACHED 12-18-76						19. ELEV. CASINGHEAD	
17. DATE COMPL. (Ready to prod.) 1-31-77						23. INTERVALS DRILLED BY Rotary	
20. TOTAL DEPTH, MD & TVD 7025'						21. PLUG, BACK T.D., MD & TVD 6991'	
22. IF MULTIPLE COMPL., HOW MANY*						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5929'-6030' Blinobry	
25. TYPE ELECTRIC AND OTHER LOGS RUN GR-CNL-FDC-DLL-BHC SOMIC-MLL						26. WAS WELL CORED NO.	
28. CASING RECORD (Report all strings set in well)						25. WAS DIRECTIONAL SURVEY MADE Yes	
CASING SIZE 9 5/8" 7"	WEIGHT, LB./FT. 32# + 36# 23# + 26#	DEPTH SET (MD) 1465' 7025'	HOLE SIZE 12 1/4" 8 3/4"	CEMENTING RECORD 675 SX Circ 1605 SX	AMOUNT PULLED —		
29. LINER RECORD						30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2 3/8"	DEPTH SET (MD) 6072'	PACKER SET (MD) 6500'
31. PERFORATION RECORD (Interval, size and number) 5929', 34'; 6011 and 6030' w/2 JSPF Blinobry						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 5929-6030' AMOUNT AND KIND OF MATERIAL USED 1500 Gals 15% Acid. 25,000 Gals Wtr. 59000# 20-40 SD w/Additives	
33. PRODUCTION							
DATE FIRST PRODUCTION 1-31-77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 2-7-77	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD —	OIL—BBL. 31	GAS—MCF. 6	WATER—BBL. 2	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE —	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.) 41.0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY W.D. Cafes	
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. A. Rutherford		TITLE Admin. Supv.				DATE 2-14-77	

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

USGS(4), NMFC(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, identified, 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.	NAME	GEOLOGIC MARKERS	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Rustler	1450	
				Salado	1550	
				Tansill	2590	
				Yates	2737	
				Seven Rivers	3007	
				Queen	3572	
				Penrose	3728	
				San Andres	4156	
				Glorieta	5475	
				Blaine	5928	
				by	6420	
				Tubb	6420	
				Drinhard	6704	

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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. <b>LC-031670(B)</b>	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>CONTINENTAL OIL COMPANY</b>		7. UNIT AGREEMENT NAME <b>WARREN</b>	
3. ADDRESS OF OPERATOR <b>Box 460, HOBBS, NM 88240</b>		8. FARM OR LEASE NAME <b>WARREN UNIT</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>660' FSL &amp; 1980' FWL OF Sec. 21</b> At top prod. interval reported below <b>Same</b> At total depth <b>Same</b>		9. WELL NO. <b>43</b>	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED <b>11-30-76</b>		16. DATE T.D. REACHED <b>12-18-76</b>	
17. DATE COMPL. (Ready to prod.) <b>1-31-77</b>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>3549' GR</b>	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD <b>7025'</b>	
21. PLUG, BACK T.D., MD & TVD <b>6991'</b>		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY <b>Rotary</b>		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <b>6544'-6696' TUBB</b>	
25. WAS DIRECTIONAL SURVEY MADE <b>Yes</b>		26. TYPE ELECTRIC AND OTHER LOGS RUN <b>GR-CNL-FDC-DLL-BHC SONIC-MLL</b>	
27. WAS WELL CORED <b>NO</b>		28. CASING RECORD (Report all strings set in well)	
Casing Size <b>9 5/8" 7"</b>		Weight, lb./ft. <b>32# + 36# 23# + 26#</b>	
Depth Set (MD) <b>1465' 7025'</b>		Hole Size <b>12 1/2" 8 3/4"</b>	
Cementing Record <b>625 SX Circ. 1605 SX</b>		Amount Pulled <b>-</b>	
29. LINER RECORD		30. TUBING RECORD	
Size <b>2 7/8"</b>		Depth Set (MD) <b>6712'</b>	
Top (MD) <b>6544'</b>		Bottom (MD) <b>6500'</b>	
Sacks Cement* <b>37</b>		Screen (MD) <b>17</b>	
31. PERFORATION RECORD (Interval, size and number) <b>6544'-6573'; 6645' 58', 69', 78' 96' w/15SPF TUBB</b>		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Depth Interval (MD) <b>6544'-6696'</b> Amount and Kind of Material Used <b>1500 Gal 15% Acid; 25000 Gal w/4, 50,000 # 20-40SD, with Additives</b>	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Sold</b>	
Date First Production <b>1-31-77</b>		Production Method (Flowing, gas lift, pumping—size and type of pump) <b>PUMPING</b>	
Well Status (Producing or shut-in) <b>Producing</b>		35. LIST OF ATTACHMENTS	
Date of Test <b>2-7-77</b>		Hours Tested <b>24</b>	
Choke Size <b>37</b>		Prod'n. for Test Period <b>17</b>	
Oil—BBL. <b>37</b>		Gas—MCF. <b>17</b>	
Water—BBL. <b>0</b>		Gas-Oil Ratio <b>39.0</b>	
Flow. Tubing Press. <b>39.0</b>		Casing Pressure <b>39.0</b>	
Calculated 24-Hour Rate <b>39.0</b>		Oil—BBL. <b>37</b>	
Gas—MCF. <b>17</b>		Water—BBL. <b>0</b>	
Oil Gravity-API (CORR.) <b>39.0</b>		Test Witnessed By <b>W.D. Cates</b>	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		37. SIGNATURE <b>W.D. Cates</b>	
TITLE <b>ADMIN. SURV.</b>		DATE <b>2-14-77</b>	

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

USGS (4) NMFL (4), File

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If not filed prior to the time this summary record is submitted, copies of all previously 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.

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# 7. SUMMARY OF POROUS ZONES:

SHOW AND IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; COBED 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.	38.	GEOLOGIC MARKERS	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
					NAME		
					Rustler	1450	
					Salado	1550	
					Tansill	2590	
					Yates	2737	
					Seven Rivers	3007	
					Queen	3572	
					Penrose	3728	
					San Andres	4156	
					Glorieta	5475	
					Blinberry	5928	
					Tubb	6420	
					Drinkard	6704	