Form 9-330
(Rev. 5-63)

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OCT 2 1978

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.: C-15260

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Conoco Federal 21

9. WELL NO.: 4

10. FIELD AND POOL, OR WILDCAT: South McCallum-Pierre "B"

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 21, T9N, R78W

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

2. NAME OF OPERATOR: Continental Oil Company

3. ADDRESS OF OPERATOR: 152 N. Durbin Street, Casper, WY 82601

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 2217' FSL, 810' FEL, NESE
At top prod. interval reported below
At total depth

9

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
78454	5-19-78	Jackson	Colorado

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7-21-78	7-26-78	8-27-78	8244 GL	

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
1669'	1647'		→	All	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 1072'-1098' Pierre "B"

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: IES-FDC-GR-Caliper-CBL-VDL

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
8 5/8"	24#	161'	12 1/4"	108 sacks Class "G"	--
5 1/2"	14#	1669'	7 7/8"	174 sx. 50-50 Poz. + 52 sx. Class "G"	--

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"	1122'	--

31. PERFORATION RECORD (*Interval, size and number*): 1072'-1098', 2 JSPF, 44 shots, .4 inches

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1072'-1098'	See Attachment No. 1

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
8-20-78	Pumping 2" x 1 1/4" x 12'	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-27-78	24	--		15	--	15	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
--	--		--	--	--	29.5

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

TEST WITNESSED BY: Chuck McAllister

00222541

35. LIST OF ATTACHMENTS: No. 1 Frac Procedure

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

SIGNED T. C. Thompson TITLE Administrative Supervisor DATE 9/29/78

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

DVR FJP HHM JAM JJD RLS CGM

USGS(3) COGCC(2) 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.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Pierre "B"	1072	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
837-497

Attachment No. 1 to Form 9-330
Frac Procedure
September 29, 1978

This well was fraced as follows:

Pumped 2500 gallon frac fluid pad at 10.5 B/M at 1700 psig. Pumped 1400 gallons frac fluid with one ball sealer/bbl. at 1650 to 1800 psig. Did not ball out. Flowed well back for one hour, then pumped 5400 gallons frac fluid with 40#/1000 gallons FLA at 22 B/M and 400 to 1600 psig. Pumped 2000 gallons frac fluid with 40#/1000 gallons FLA and .5 ppg 20-40 sand at 22 B/M and 1400 psig. Pumped 4000 gallons frac fluid with 40#/1000 gallons FLA with 1.0 ppg 10-20 sand at 22 B/M and 1400 psig. Pumped 5000 gallons frac fluid with 40#/1000 gallons FLA with 2.0 ppg 10-20 sand at 21 B/M and 1300 psig. Pumped 4000 gallons frac fluid with 40#/1000 FLA with 2.5 ppg 10-20 sand at 22 B/M and 1325 psig. Pumped 3000 gallons frac fluid with 3.0 ppg 10-20 sand at 22 to 18 B/M and 1325-1200 psig. Pumped 1100 gallons frac fluid at 10 B/M and 1000 psig.