

**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 \***

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

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 3249, Englewood, Colorado 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 1030' FSL, 805' FWL "M"  
 At top prod. interval reported below  
 At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
NM-012647

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Riddle B

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Section 22, T31N, R9W

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDED 9/2/80	16. DATE T.D. REACHED 10/8/80	17. DATE COMPL. (Ready to prod.) 12/12/80	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6260' gr.	19. ELEV. CASINGHEAD --
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20. TOTAL DEPTH, MD & TVD 7710'	21. PLUG, BACK T.D., MD & TVD 7647'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0'-TD	CABLE TOOLS --
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
7470-7638' Dakota

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DI/SFL, Gamma Ray, CNFD, Treatment Evaluation

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#	295'	12-1/4"	250 sx CL-B w/2% CACT-2	
7"	23#	3480'	8-3/4"	450 sx Life; 150 sx CL-B	
4-1/2"	10.5#	7708'	6-1/4"	150 sx 50/50 POZ mix	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3284'	7708'	150 sx		2-3/8"	7450'	

31. PERFORATION RECORD (Interval, size and number)

7470-78'	7602-10'	2 JSPF
7494-7500'	7622-26'	
7508-12'	7630-38'	50' 100 holes
7544-52'		
7560-64'		

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7470-7638'	750 gals 7 1/2% DI-HCL; 2200 gals 15% HCL, 150 balls, 80,000 gals 1% KCL water 40#/thous min/max gel, 110,000# 20/40 sand

33.\* PRODUCTION

DATE FIRST PRODUCTION: 12/12/80  
 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing  
 WELL STATUS (Producing or shut-in): Shut-in

DATE OF TEST 12/12/80	HOURS TESTED 3 hrs.	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. Q= 1000	GAS—MCF. Q= 1000	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS. 62 PSI	CASING PRESSURE 228 PSI	CALCULATED 24-HOUR RATE →	OIL—BBL. AOF= 1028	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Electric logs forwarded by Schlumberger & Gearhart Owen

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

SIGNED: Curly Hatton TITLE: Asst Div Adm Mgr DATE: 12/29/80  
 JAN 15 1981

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

NMOCC

FORM 9-330 (REV. 5-63)  
BY: l

# 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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Chacra	Csg. Pt.	4900'	Shale
Cliffhouse	4900'	5100'	Sand, water
Menefee	5100'	5280'	Sand, shale
Pt. Lookout	5280'	5450'	Sand
Gallup	5450'	6910'	Sand, Tite
Lower Mancos	6910'	7370'	Sand, shale
Dakota	7460'	TD	Sand, gas
			Greenhorn
			7370'

TABULATION OF DEVIATION TESTS  
TENNECO OIL COMPANY

DEPTH : INCLINATION		After Side Track Plugs Set DEPTH INCLINATION	
302	1/2°	3582	2° 6.3
782	1°	3602	2-3/4° 7.6
1278	1°	3622	3-3/4° 11.3
1725	1-1/4°	3627	5° 13.7
1824	1°	3633	4° 14.2
2341	1-1/4°	3705	5-3/4° 7.2
2882	1-1/4°	3767	6° 6.5
3401	1-1/2° 74'	3897	7 1/4° 16.4
4037	6°	3951	7° 6.6
4194	6-1/4°	4016	6-1/4° 7.1
4283	7°	4078	5-1/4° 5.7
4454	6°	4203	9-3/4° 21.0
4545	5°	4325	8° 16.9
4700	4-1/2°	4448	6° 12.8
4952	4°	4698	4-3/4° 22.7
5148	3-1/4°	4844	2-3/4° 7.0
5630	3°	5044	1° 3.8
6332	4-1/2°	5292	8-1/2° 37.2
6550	5°	5577	3-1/4° 16.0
6751	4-1/2°	5859	4° 14.6
6970	4-1/2°	6139	4° 14.5
7175	5-1/4°	6639	1-1/4° 10.1
		7488	4-1/4° 8.4



AFFIDAVIT

This is to certify that to the best of my knowledge, the above tabulation details the deviation test taken on Tenneco Oil Company's well: Riddle B-1,

1030' FSL, 805' FWL, Section 22, T31N, R9W, San Juan, New Mexico.

Signed Carley Watkins  
Agent for Tenneco Oil Company

THE STATE OF COLORADO )  
CITY AND COUNTY OF DENVER)

Before me, the undersigned authority, on this day, personally appeared,

Carley Watkins, known to me to be an Agent for Tenneco Oil

Company, and to be the person whose name is subscribed to the above

statement, who, being by me duly sworn on oath, states that he

has knowledge of the facts stated herein, and that said statement is true

and correct. Subscribed and sworn to before me, a Notary Public in and

for said County and State, this

Charlotte Flanagan  
Notary Public

My Commission Expires: