

Tenneco Oil
Exploration and Production
A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

DEPTH INCLINATION

308' 1/4°
867' 3/4°
1397' 3/4°
1921' 3/4°
2198' 1 3/4°
2683' 1 1/2°
3179' 1°
3450' 3/4°
3943' 3/4°
4440' 1/2°
4930' 3/4°
5431' 3/4°
5490' 1°
5941' 2°
6067' 2 1/4°

DEPTH INCLINATION

6253' 2 3/4°
6505' 2 3/4°
6651' 3°
6807' 2 3/4°
7033' 2 3/4°
7380' 2 1/4°

RECEIVED

JUL 15 1983

OIL CON. DIV.
DIST. 3

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:

Tapp 4E
"I" Sec, 15, T28N, R8W, San Juan County, NM,

Signed: John Orr

Agent for Tenneco Oil Company

THE STATE OF COLORADO)
CITY AND COUNTY OF DENVER)

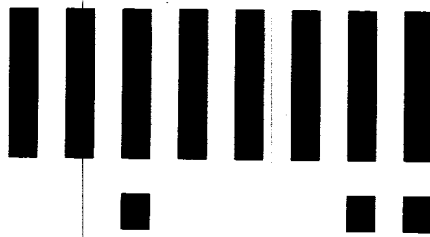
Before me, the undersigned authority, on this day, personally appeared,

John Orr, 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:

6-24-85



LTR



Job separation sheet

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 *

5. LEASE DESIGNATION AND SERIAL NO.

SF-078499

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tapp

9. WELL NO.

4E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 15, T28N, R8W

12. COUNTY OR
PARISH
San Juan13. STATE
NM1a. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW ☒ WORK ☐ DEEP- ☐ PLUG ☐ DIFF. ☐ Other _____
WELL OVER EN BACK RESVR.

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 3249, Englewood, CO 80155

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

At surface 1610' FSL, 1110' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 5/21/83 16. DATE T.D. REACHED 5/27/83 17. DATE COMPL. (Ready to prod.) 7/5/83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6392' KB 19. ELEV. CASINGHEAD 6380' GR

20. TOTAL DEPTH, MD & TVD 7378' KB 21. PLUG, BACK T.D., MD & TVD 7375' KB 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0'-TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____ 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/GR, CDL/GR 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#	308'	12 1/4"	266CF c1-B+2% CaCl ₂ +1/4#/sx	flocele
7"	23#	3450' KB	8 3/4"	1st stage: 190CF c1-B+2% CaCl ₂ +1/4#/sx	flocele
				2nd stage: 607CF 65:35 POZ+6% gel	
DV @ 2202'				+1/4CF/ sx Perlite. Tail w/ 59 CF c1-B+2% CaCl ₂	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	3278' KB	7378' KB	(see reverse)		2 1/16"	7257' KB	-

31. PERFORATION RECORD (Interval, size and number)

7146-58'
7234-43' 1 JSPF, 31', 31 holes
7274-80'
7306-10'
7350-66', 2 JSPF, 16', 32 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7146-7366' KB	80,000 gal 30#X-L gel and 168,000 # 20/40 sd.
	500 gal 7 1/2% HCl, 1500 gal 15% wgt'd HCl

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/17/83		flowing				shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/5/83	3	3/4"	→	-	281	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
154 psi	712 psi	→	-	2245	-	-	

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

to be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs forwarded by Dresser atlas

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

SIGNED

TITLE

Production Analyst

DATE

JUL 12 1983

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

NMOCC

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

BY

Jm

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.)

4 1/2" liner cementing detail: 407 CF Howe Lite + 1/4 #/sx flocele + .6% Hal-9. Tail w/ 177 CF cl-B.

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	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1885	2000	sand, shale, water	Greenhorn	7031	
Kirtland	2000	2590	sand, shale			
Fruitland	2590	2800	sand, shale, coal, gas, water			
Pictured Cliffs	2800	2935	sand, shale, water			
Lewis	2935	3460	shale			
Chacra	3460	4518	sand, shale			
Cliffhouse	4518	4620	sand, shale, gas			
Menefee	4620	5092	sand, shale, gas, coal, water			
Point Lookout	5092	5472	sand, shale, gas			
Mancos	5472	6292	shale			
Gallup	6292	7031	sand, shale, silt			
Graneros	7094	7126	shale			
Dakota	7126	TD	sand, shale, gas			

Note: All depths expressed in terms of KB.