

**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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____										5. LEASE DESIGNATION AND SERIAL NO. SF-079947
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 Tenneco Oil Company										7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 3249, Englewood, CO 80155										8. FARM OR LEASE NAME Helen Jackson
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL 1630' FEL "G" At top prod. interval reported below At total depth										9. WELL NO. 1E
14. PERMIT NO. _____ DATE ISSUED _____ U.S. GEOLOGICAL SURVEY										10. FIELD AND POOL, OR WILDCAT Chacra
15. DATE SPUNDED 4/20/81 16. DATE T.D. REACHED 5/1/81 17. DATE COMPLETED (Ready to prod.) 6/8/81										11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA Section 34, T29N R9W
18. REMARKS (OF, R&B, RT, GR, ETC.)* 5716' gr.										12. COUNTY OR PARISH San Juan
19. ELEV. CASINGHEAD _____										13. STATE New Mexico
20. TOTAL DEPTH, MD & TVD 6661'			21. PLUG, BACK T.D., MD & TVD 6649'			22. IF MULTIPLE COMPLET., HOW MANY* 2		23. INTERVALS DRILLED BY 0' - TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3078-3213' Chacra
25. WAS DIRECTIONAL SURVEY MADE No										
26. TYPE ELECTRIC AND OTHER LOGS RUN GR IND/GR CDL										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#		241'		12-1/4"		250sx Class B w/2% CACL2		
7"		23#		3499' 3600		8-3/4"		550sx 65/35 POZ: 150sx Cl		B
4-1/2"		10.5#		6660'		6-1/4"		280sx 65/35 POZ; 150sx Cl		B
29. LINER RECORD						30. TUBING RECORD				
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		PACKER SET (MD)
4-1/2"		3350'		6660'		430 SX				
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
3078-87' 3205-13' 17' 34 holes						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED		
						3078-3213'		700 gals weighted 15% HCL 51-1.1 balls, 80,000 gals 7% qual. foam, 90,000# 20/40 sand		
33.* PRODUCTION										
DATE FIRST PRODUCTION 5/21/81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing					WELL STATUS (Producing or shut-in) Shut-in			
DATE OF TEST 6/5/81		HOURS TESTED 3 hrs.		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →		OIL—BBL. 1119'		GAS—MCF. WATER—BBL. GAS-OIL RATIO
FLOW. TUBING PRESS. 72 PSI		CASING PRESSURE 250 PSI		CALCULATED 24-HOUR RATE →		OIL—BBL. 1208		GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold										TEST WITNESSED BY
35. LIST OF ATTACHMENTS Electric logs forwarded by Schlumberger and Gearhart Owens										
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records										
SIGNED <i>Curley Hatten</i>						TITLE Asst. Div. Adm. Mgr.		DATE JUN 16 1981 6/9/81		FARMINGTON DISTRICT BY <i>RB</i>

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

NMOOO

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; COBED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION 1 SHD, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	
Nacimiento	Surface	800'	Sand, shale	Greenhorn	6315'		
Ojo Alamo	800'	1165'	Sand, shale				
Kirtland	1165'	1805'	Shale				
Fruitland	1805'	1979'	Water, sand, gas				
Pictured Cliffs	1979'	2101'	Water, Sand, gas				
Lewis	2101'	3778'	Gas, shale				
Cliffhouse	3778'	3894'	Sand, water				
Menefee	3894'	4308'	Sand, shale, water				
Pt. Lookout	4308'	4609'	Sand, gas				
Mancos	4609'	5506'	Shale				
Gallup	5506'	6315'	Sand, water				
Dakota	6440'	TD	Gas				

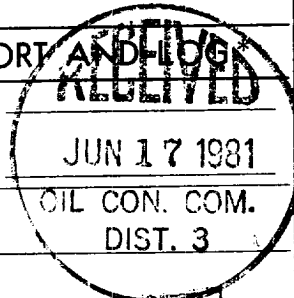
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS



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

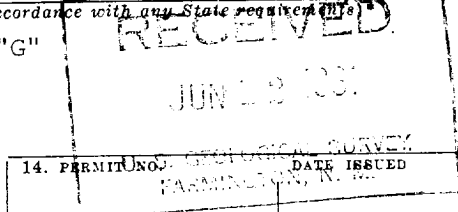
2. NAME OF OPERATOR: Tenneco Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface 1650' FNL 1630' FEL "G"

At top prod. interval reported below

At total depth



14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED: 4/20/81
16. DATE T.D. REACHED: 5/1/81
17. DATE COMPL. (Ready to prod.): 6/8/81
18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 5716' gr.
19. ELEV. CASINGHEAD: -

20. TOTAL DEPTH, MD & TVD: 6661'
21. PLUG, BACK T.D., MD & TVD: 6649'
22. IF MULTIPLE COMPL., HOW MANY*: 2
23. INTERVALS DRILLED BY: 0' - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6442-6642' Dakota
25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR IND/GR CDL
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#	241'	12-1/4"	250sx, Class B w/2% CACL2	
7"	23#	3499' 35cm	8-3/4"	550sx 65/35 POZ, 150sx C1	B
4-1/2"	10.5#	6660'	6-1/4"	280sx 65/35 POZ, 150 sx C1	B

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	3350'	6660'	430 sx	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6453'	3280'

31. PERFORATION RECORD (Interval, size and number)

6442-46'	44' 88 holes
6507-12'	
6580-92'	
6599-6603'	
6623-42'	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6640	500 gals 7-1/2% DI-HCL
6442-6642'	1800 gals weighted 15% HCL 132 balls, 80,000 gals 30# XL gel, 80,000# 20/40 sand, 10,000# RA

33.* PRODUCTION 10/20 sand, 15,000# 10/20 sand

DATE FIRST PRODUCTION: 5/21/81
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing
WELL STATUS (Producing or shut-in): Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/5/81	3 hrs.	3/4"	→		3408		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
242 PSI	875 PSI	→		3464		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): To be sold
TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Electric logs forwarded by Schlumberger and Gearhart Owens

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

SIGNED: Curly Stott TITLE: Asst. Div. Adm. Mgr. DATE: JUN 16 1981 6/9/81

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

NMOCC

ACCEPTED FOR RECORD

FARMINGTON DISTRICT
BY: RB

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	
	MEAS. DEPTH	TRUE VERT. DEPTH				NAME	MEAS. DEPTH
Nacimiento	Surface		800'	Sand, shale			
Ojo Alamo	800'		1165'	Sand, shale			
Kirtland	1165'		1805'	Shale			
Fruitland	1805'		1979'	Water, sand, gas			
Pictured Cliffs	1979'		2101'	Water, sand, gas			
Lewis	2101'		3778'	Gas, shale			
Cliffhouse	3778'		3894'	Sand, water			
Mencfee	3894'		4308'	Sand, shale, water			
Pt. Lookout	4308'		4609'	Sand, gas			
Mancos	4609'		5506'	Shale			
Gallup	5506'		6315'	Sand, water			
Dakota	6440'		TD	Gas			

Greenhorn

6315'