

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

Tenaco Inc. Attention: T. Bliss

3. ADDRESS OF OPERATOR

P. O. Box 2100, Denver, Colorado 80201

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

At surface **N¹4N¹4, Sec. 28**

At top prod. interval reported below **510' FNL & 660' FEL, Sec. 28**

At total depth

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-8104

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribe "AL"

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Tocito Field

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

Sec. 28-T26N-R18W

12. COUNTY OR PARISH

San Juan

13. STATE

N. Mex.

15. DATE SPUDDED

9-9-73

16. DATE T.D. REACHED

9-24-73

17. DATE COMPL. (Ready to prod.)

10-29-73

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5699' KB

19. ELEV. CASINGHEAD

5687' Gr.

20. TOTAL DEPTH, MD & TVD

6370'

21. PLUG, BACK T.D., MD & TVD

6340'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0 - 6370'

CABLE TOOLS

- -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Barker Creek Top 6174. TD 6370'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES, BHC-CR

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
13-3/8"	48#	93'	17-1/2"	125 sx	
9-5/8"	32.3#	1612'	12-1/4"	600 sx	
7"	20, 23 & 26#	6370'	8-3/4"	275 sx	
DV tool 4300' w/850 sx					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-7/8"		

31. PERFORATION RECORD (Interval, size and number)

See attached

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

See attached

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-29-73		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-30-73	24	- -	→	97	131	147	1350
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
- -	- -	→	97	131	147	44.2	

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

Sold

TEST WITNESSED BY

C. G. Hogue

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

Jimmie Bliss

TITLE

District Superintendent DATE **Nov. 7, 1973**

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

USGS (2)

OGCC (2)

TB

ARM

CGH

The Navajo Tribe

Farrington

Aztec

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	MEAS. DEPTH	TRUE VERT. DEPTH

WELL COMPLETION HISTORY
NAVAJO TRIBE "AL" NO. 4

- 10-3-73 Ran correlation log.
Perf. Barker Creek 6219-34' & 6239'-44' w/2 JSPP.
Ran tubing and packer.
- 10-4-73 FL 2500' after 11½ hrs SI. TP zero. Spotted 250 gallons
mud acid across perfs and set pkr. Well went on vacuum.
Acidized w/500 gallons 15% HCl at zero pressure.

Swabbed 3½ hours from 4000'. Recovered 40 BLW & acid
water. No show of oil or gas.
- 10-5-73 Swabbed 7 hours from 3000', recovered 15 barrels acid
water & 105 bbls salty formation water.
- 10-6-73 Squeezed perfs. 6219'-6244' w/150 sacks LFL cement.
Maximum pressure 1900 psi. CP 1000 psi. Reversed
out 85 sacks.
- 10-8-73 Reperforated 5½" casing 6219'-6233' with 2JSPP. Spotted
250 gallons 15% NE HCl acid across perfs. Soaked for
five minutes. Pressured to 2000 psi, broke to zero.

Swabbed three hours, recovered 44 BLW & acid water,
and 16 barrels formation water.
- 10-9-73 Packer at 6170'. Swabbed 9 hours, recovered 144 barrels
formation water. No show oil or gas.
- 10-10-73 Squeezed perfs 6219'-6233' with 100 sacks LFL cement.
CP 1000 psi. Maximum squeeze tubing pressure 3000
psi. Reversed out 65 sacks.
- 10-11-73 Ran Dowell Abrasajet tool, sand blasted three 3/16"
holes at 6221'. Cleaned out sand to 6310'.
- 10-12-73 FL 3600'. Swabbed 3 hours, recovered 36 barrels
formation water, no show oil or gas.
- 10-13-73 Swabbed 39 BLW. FL at pkr. Pkr set at 6170'.

10-14-73 Spotted 250 gallons 15% HCl acid across perfs. Soaked 1½ hours. Set packer at 6170' and displaced acid slowly. Maximum pressure 2500 psi.

Acidized with 500 gallons @ 1/2 BPM.

Swabbed 38 BLW. Estimate 3% oil with small amount of gas.

10-15-73 Swabbed 10 hours, recovered 175 barrels fluid, 25% oil. Fluid level 2500'.

10-16-73 FL 2500' after 13 hours SI. TP 300 psi, bled to zero in six minutes.
Installing pumping unit.

10-29-73 Well on pump 12:00 noon. Four hours, 12 BO, 20 BW.

10-30-73 IP P 24 hours, 97 BO, 147 BW, 131 MCF gas. 2" pump, 8 spm, 68" LS.

Casing perfs three 3/16" notches at 6221'.
Barker Creek.

No cores or DSTs.

ELECTRIC LOG TOPS

Todilto	1995'
Entrada	2012'
DeChelly	3690'
Organ Rock	4288'
Honaker Trail	5415'
Ismay	5883'
Desert Creek	5993'
Akah	6092'
Barker Creek	6174'

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LAND OFFICE	
TRANSPORTER	OIL 2
	GAS 1
OPERATOR	
PRORATION OFFICE	1

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator Texaco, Inc. Producing Dept. Rocky Mountains U.S.	
Address P.O. Box EE Cortez, Colorado 81321	
Reason(s) for filing (Check proper box)	
New Well ☐	Change in Transporter of: ☒
Recompletion ☐	Oil ☒ Dry Gas ☐
Change in Ownership ☐	Casinghead Gas ☐ Condensate ☐
Other (Please explain)	
If change of ownership give name and address of previous owner	

II. DESCRIPTION OF WELL AND LEASE

Lease Name Navajo Tribe AL	Well No. 4	Pool Name, Including Formation Tocito Dome Penn. "D"	Kind of Lease Federal	Lease No. 14-20-0603 8103
Location				
Section Letter A	Section 510	Feet From The North	Line and 660	Feet From The East
Line of location 26 Township 26N Range 18W , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Four Corners Pipeline Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1588, Farmington, N.M. 87401	
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Texaco, Inc.	Address (Give address to which approved copy of this form is to be sent) P.O. Box EE Cortez, Colorado 81321	
If well produces oil or liquids, give location of tanks.	Unit M	Sec. 27
	Twp. 26N	Rge. 18W
	Is gas actually connected? Yes	When 1964

If this production is commingled with that from any other lease or pool, give commingling order number: **CTB-137 Amended**

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Diff. Res't.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil, Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Alvin R. Marx
(Signature)
Field Foreman

(Title)

12-16-74
(Date)

OIL CONSERVATION COMMISSION

DEC 18 1974

APPROVED _____, 19____

By *Original Signature*

TITLE **SUPERVISOR**

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply