

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 *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESERVE ☐ Other ☐

2. NAME OF OPERATOR
Mobil Oil Corporation

3. ADDRESS OF OPERATOR
9 Greenway Plaza, Suite 2700, Houston, TX 77046

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 800' FEL & 184' FSL of Sec. 9; T-26-N, R-18-W
At top prod. interval reported below 1840'
At total depth Same as surface

5. LEASE DESIGNATION AND SERIAL NO.
Navajo Contract 14-20-603-

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Tobito Dome No. (Penn. Gas)

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec. 9, T-26-N, R-18-W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. PERMIT NO.
DATE ISSUED 3/9/78

15. DATE SPUDDED 6/17/78 16. DATE T.D. REACHED 7/4/78 17. DATE COMPL. (Ready to prod.) 7/31/78 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5724' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6469 21. PLUG BACK T.D., MD & TVD 6469 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY ROTARY TOOLS 0-6469 CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6408 - 60', Pennsylvanian D

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction, Acoustic, GR Caliper, PDC

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#	117	17-1/2	150x B	
8-5/8	24#	1617	12-1/4	730x B	
5-1/2	14#	6450	8-3/4	275x B	

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		6410 (SN)

31. PERFORATION RECORD (Interval, size and number)
6408-16, 6420-30, 6454-60', 1-JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6408-60'	12,000-g. 2% DINF; frac'd w/30000 g. Versagel 1300 + 50,000# 20/40 sd

33. PRODUCTION

DATE FIRST PRODUCTION 8/15/78 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2 x 1 1/2 x 20

DATE OF TEST 9/29/78 * HOURS TESTED 24 CHOKE SIZE 2" PROD'N. FOR TEST PERIOD 2.25 MCF

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL-BBL. GAS-MCF. WATER-BBL. OIL-WATER RATIO (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
None

35. LIST OF ATTACHMENTS
Well logs, Inclination Survey, Drlg. Report Summary

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

SIGNED Charles J. Stewart TITLE Authorized Agent DATE 10/16/78

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

* Not a potential test; 79 BO total production during test period.

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, 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.), formations, 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 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.)

[illegible]

DRILLING REPORT

Navajo #5

800' FEL & 1840' FSL Sec 9, T26N, R18W.

6/19/78

(2) 187 drlg sd & sh, 12-1/4 hole, 1/4° 117.

Native.

Spud 4 AM 6/17/78, ran 13-3/8 48# H-40 set @ 117, Howco cmt w/150 sxs B + 2% CaCl, PD 2 PM 6/18/78, cmt circ.

6/21/78

(4) 1617 WOC 8-5/8, sd & sh, 12-1/4 hole, 3/4° 1247, 1° 1617. Spud.

Ran 40 jts 8-5/8 24# K-55 set @ 1617, Howco cmt w/630 sxs B + 8% gel + 100 sxs B + 2% CaCl, PD 6:30 AM 6/20/78, cmt circ 75 sxs.

7/5/78

(18) 6450 corr TD, cond mud, 7-7/8 hole, 9.6-50-9.

circ 2 hrs, made short trip to 3000, POH, DA ran log, hit bridge @ 3680, worked to 6000, POH, RD DA, GIH w/ bit, hit bridge @ 6000, GIH to bottom, cond mud 2 hrs, POH, DA logs stopped @ 3680, GIH w/ bit, had 35' fill. COST \$112.

7/6/78

(19) 6450 TD, logging, 7-7/8 hole, 9.8-60-10. cond mud 8 hrs, POH, DA log stop @ 6050, GIH w/ bit, CO bridge @ 6050, wash 3' fill 6447-50, made short trip, no fill, POH, DA ran Ind log to 6469.

7/7/78

(20) 6450 TD, WOC 5 1/2 csg, DA ran Ind, Acoustic GR Cal 1617-6450, lost stabloff bottom of acoustic log in hole, ran 36 jts 5 1/2 17# K55 (1713') + 4 jts 15.5# (123) + 110 jts 14# K55 (4652'), Howco cmt @ 6450 w/ 275x B + 7% salt, PD 3:30 AM 7/7/78.

7/8/78

(21) 6450 TD, NU, ran Temp survey, T/cmt 3500, RD Cactus

7/18/78

6469 TD (Corr), Penn 6408-6460. Howco spot 200 gals 15% acid on bottom, POH, DA ran PDC logs to 6469, their TD, perf 5 1/2 csg w/ 1 JSPF 6408-16, 6420-6430, 6454-6460, ran Baker Lokset pkr to 6260, Howco acidize perfs 6408-6460 w/ 2000 gals HCl acid + 35 RCNBalls, treating psi 2300#, AIR 2 1/2 BPM, ISIP 1500, 10 min 1000#.

7/21/78

6469 TD, Penn 6408-6460.

Well SI 13 hrs, tbg psi 350, FL 4200, S 3 BLW + 2 BNO in 2 hrs, sw dry, Howco acidize perfs 6408-60 w/ 12,000 gal 20% DINE + 40 RCNE treating psi 2000-2800 (ball out @ 3500#) AIR 3 1/2 BPM, ISIP 1400, 10 min 1000#, 30 min 850, F & S 50 BLW/4 hrs. - 321 BLW.

7/27/78

6469 TD, Penn 6408-6460.

Western frac perfs 6408-60 down 5 1/2 csg w/ 30,000 gals Versagel 1300 + 50,000# 20/40 sd, sanded out after pmpg 481 bbls, TCP 2700-3500 @ 25 BPM, stopped pmpg @ 9 BPM, ISIP 2900, 15 min 1700, 16,800 gals + 23,000# sd in form. - 698 BLW.

7/29/78

6469 TD, perfs 6408-6460.

POH ran 2-3/8 to 6432, TA 6400 w/14,000 ten, 6399 SDN. - 692 BLW.

8/1/78

6469 TD, perfs 6408-6460.

Ran 20' pump w/10' GA on 180 3/4, 74 7/8 rods rel Flint Well Serv & to Prod 5 PM 7/31/78. - 692 BLW.

8/14/78

6469 TD, perfs 6408-6460.

Start pmpg 1 PM 8/11/78, P 0 B0 + 201 BLW/48 hrs.

9/9/78

6469 TD, perfs 6408-6460.

Flint WS MIRU PU 9/8/78, pulled rods & pump instl BOP's, tag btm @ 6438, POH w/ 2-3/8 tbg.

9/10/78

CO sd w/ SP 6438-48.

9/11/78

CO sd w/ SP 6448-68.

- 430 BLW.

COST \$260 M.

9/12/78

6469 TD, perfs 6408-6460.

Ran 2-3/8 tbg to 6443, MA @ 6414-6443, tbg perf 6411-14, SN 6410, TA 6351 w/10,000# tension, removed BOP's, ran 2 x 1-1/2 x 20' pump on 180 3/4, 74 7/8 rods, POP 9/11/78, rel PU 9/11/78 - 430 BLW.

9/29/78

6469 TD, perfs 6408-6460.

P 2 BNO, 1 BLW/24 hrs, SI temp. abandoned, prep P&A procedure -397 BL

RECEIVED

OCT 23 1978

U. S. GEOLOGICAL SURVEY

PAID BY CHECK