

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 Mobil Oil Corporation						5. LEASE DESIGNATION AND SERIAL NO. Navajo Contract No. 14-20-603-5019					
3. ADDRESS OF OPERATOR Three Greenway Plaza East, Suite 800, Houston, Texas 77046						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1050' FNL & 1845' FWL Sec. 9, T26N, R18W At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME					
14. PERMIT NO.						DATE ISSUED 9/13/77					
15. DATE SPUDDED 9/8/77		16. DATE T.D. REACHED 9/24/77		17. DATE COMPL. (Ready to prod.) 10/13/77		12. COUNTY OR PARISH San Juan					
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5751' GR		19. ELEV. CASINGHEAD		13. STATE NM		8. FARM OR LEASE NAME Navajo					
20. TOTAL DEPTH, MD & TVD 6500'		21. PLUG, BACK T.D., MD & TVD 6465'		22. IF MULTIPLE COMPL., HOW MANY*		9. WELL NO. 3					
23. INTERVALS DRILLED BY →		ROTARY TOOLS X		CABLE TOOLS		10. FIELD AND POOL, OR WILDCAT Tocito Dome Penn "D"					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6414 - 19', Penn D		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Dual LL, GR - Sonic, FRL long scale Sonic, Corr.		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 9, T26N, R18W					
27. WAS WELL CORRED No		28. CASING RECORD (Report all strings set in well)		29. LINER RECORD		30. TUBING RECORD					
Casing Size		Weight, lb./ft.		Depth Set (MD)		Hole Size		Cementing Record		Amount Pulled	
13-3/8"		54#		125'		17-1/2"		140 sx Cl D			
8-5/8"		24#		1625'		12-1/4"		475 sx Lt. Wt. + 200 sx D			
5-1/2"		15.5#		6500'		7-7/8"		275 sx Cl. B			
31. PERFORATION RECORD (Interval, size and number) Pf'd. 6414-19' w/4 JSPF (20 holes)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		35. LIST OF ATTACHMENTS Daily Drilling Report Summary, Elec Logs		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
DATE FIRST PRODUCTION 10/11/77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) SP for allowable		DATE OF TEST 10/12/77		HOURS TESTED 24		CHOKE SIZE 9/64"	
PROD'N. FOR TEST PERIOD →		OIL—BBL. 393		GAS—MCF. 287		WATER—BBL. 650977		GAS-OIL RATIO 730:1		OIL GRAVITY-API (CORR.) 45.3 @ 60	
FLOW. TUBING PRESS. 1320		CASING PRESSURE →		CALCULATED 24-HOUR RATE →		TEST WITNESSED BY C. L. Pyle		OCT 18 1977		DATE 10/13/77	
SIGNED [Signature]		TITLE Authorized Agent		OCT 20 1977		RECEIVED					

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

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.						
			<table border="1"> <thead> <tr> <th>NAME</th> <th>MEAS. DEPTH</th> <th>TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Fifth Shale D Zone</td> <td>6318'</td> <td>6328'</td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	Fifth Shale D Zone	6318'	6328'
NAME	MEAS. DEPTH	TRUE VERT. DEPTH							
Fifth Shale D Zone	6318'	6328'							

9/8/77

- (1) 100 drlg sd, 12½ hole, END, Spud.
spudded 12 midnight 9/8/77.

9/9/77

- (2) 125 drlg cnt, 12½ hole, Fr Wtr.
½ @ 125, drill 17½ hole to 125, POH, ran 3 jts
13-3/8 54½ ST&C csg, Howco cnt csg @ 125 w/
140x Class D w/ 2% CaCl₂, cnt circ 25x, PD @
7:45 PM 9/8/77, WOC 8 hrs, DO cnt 85-125.

9/10/77

- (3) 1390 drlg sd & sh, 12½ hole, Spud.
3/4 @ 671, 1° @ 1267.

9/11/77

- (4) 1625 WOC 8-5/8 csg, sd & sh, 12½ hole, Spud.
3/4 @ 1625, ran 41 jts 8-5/8 24½ K55 set @
1625, Howco cnt w/ 475x lt wt + ½ Flocele +
200x B + 2% CaCl₂, PD 5:15 PM 9/10/77, circ
50x, WOC, HU, test EOP's 1000/ok.

9/12/77

- (5) 2490 drlg sh & sh, 7-7/8 hole, Fr Wtr.
3/4 @ 2229.

9/13/77

- (6) 3095 drlg sd & sh, 7-7/8 hole,
3/4 @ 2731. E.8-34-NC.

9/14/77

- (7) 3718 drlg sd & sh, 7-7/8 hole, E.8-33-NC.
3/4 @ 3325.

9/15/77

- (8) 4410 drlg sh & sd, 7-7/8 hole, 9-32-NC.
1½ @ 3718.

9/16/77

- (9) 4770 drlg sd & sh, 7-7/8 hole, E.8-32-NC.
1° @ 4451.

9/17/77

- (10) 5040 drlg sd & sh, 7-7/8 hole,
3/4 @ 4856. 9.4-34-NC.

9/19/77

- (12) 5550 drlg sd & sh, 7-7/8 hole, END.
9.1-38-10.

9/20/77

(13) 5780 drlg sd & sh, 7-7/8 hole, 9.2-33-8.5.
3/4 @ 5577.

9/21/77

(14) 5990 drlg sd & sh, 7-7/8 hole,

9/22/77

(15) 6131 drlg sd & sh, 7-7/8 hole, 9.2-39-9.6.
1° @ 6015; 6131.

9/23/77

(16) 6291 drlg sd & sh, 7-7/8 hole, NND.

9.3-40-10.

9/24/77

(17) 6500 TD, prpe log sd & sh, 7-7/8 hole, NND,
TD 3:45 AM 9/24/77. 9.5-55-8.8.

9/25/77

(18) 6500 prep run 5 1/2 csg, 7-7/8 hole, NND, 9.5-55-8.8.
POM, Schl ran Dual LL CR-Sonic, FRL long scale
Sonic 1625-6504.

9/26/77

(19) 6500 WOC 5 1/2 csg,
ran 156 jts 5 1/2 13.5 K55set @ 6500, FC 6465,
Howco cmt w/ 275z B + 2% CaCl2 + 7# salt, PD
9:30 PM 9/25/77, HU, WOC 6 hrs, ran Temp Survey
TCC @ 4335, rel rig 4 AM 9/26/77.

9/27/77

6500 TD.

MOXT.

9/28/77

6500 TD.

MOXT.

9/29/77

6500 TD.

NO comp.

9/30/77

6500 TD.

MIRU Big A Well Serv DD unit, SDFN.

WHTS - 2174

10/1/77

6500 TD.

Rig up unit & inst EOP, SDF high wind.

10/2/77

6500 TD, 6465 PRTD, Penn D 6414-19.

GIB w/4-3/4 bit, Howco deep hole to 9.2# tr br
vtr & spot 250 gals 15% NE acid on btm, POM GO
WL ran Corr log 6100-6450, then perf 5-1/2 csg
in Penn D zone 6414-19 w/4 JSPP, 20 holes, SDFN
& Sun.

10/4/77

6500 TD, 6465 PSTD, Penn D 6414-19.
38 Hr SICP 750, bled to pit & 11 incr, SI & CP
1320, wait on 10.2 br wtr, SDPM.

10/5/77

6500 TD, 6465 PSTD, Penn D 6414-19.
Kill well w/ 175 bbls 10.2 br wtr, TP 2000 @
1 1/2 BPM, run Baker 14kset to 6333, NU tree,
Howco acidize peria-6414-19 w/ 1000 gals 15%
HCL, TTP 200 @ 1 1/2 BPM, ISIP 0, vac in 10 min,
S 25 ELW/2 hrs, CSC. - 203 ELW.

10/6/77

6500 TD, 6465 PSTD, Penn D 6414-19.
SI 14 hrs TP 2060, F 32 ELW + 380 ENO/6 hrs-
on 20/64 ck, TP 1230, CR 800 MCFD.

10/7/77

6500 TD, 6465 PSTD, Penn D 6414-19.
Rel to Prod 9 AM 10/6/77. - 171 ELW.
CSC 24 H.

10/8/77

SI, NO test allow.

10/10/77

6500 TD, 6465 PSTD, Penn D 6414-19;
SI for test allow.

10/11/77

6500 TD, 6465 PSTD, Penn D 6414-19.
SI, NO test allow.

6500 TD, 6465 PSTD, Penn D 6414-19.

F 286 ENO + 0 Wtr/5 hrs, 10-64 ck, CV 165
MCFD, TP 1310, CP 1310, Oil Cvy 45.3 @ 60.
- 171 ELW.

10/13/77

6500 TD, 6465 PSTD, Penn D 6414-19.
(Correction to 10/12/77 Report: F 286 ENO + 0
Wtr/15 hrs.).
NMCCG FOR TEST: F 393 ENO + 0 Wtr/24 hrs, 9-64
ck, TP 1320, CP 1325, GOR 730:1, Cvy 35.3 @ 60°
Allow 382 HP, Top 382 - 171 ELW.
Completed 10/13/77, Gas Analysis: CO₂ 3.576%,
N₂ 27.419%, Methane 60.139%, Ethane 5.751%,
Propane & other 3.115%, RTD content 788.
FINAL REPORT.

report of laboratory analysis - field sample

FIELD DATA

CYL NO _____ CYL PRESSURE 1440 ° 26
STREAM SAMPLED Well Head
VOLUME OF STREAM SAMPLED _____
DATE SAMPLED _____
REQUESTED BY _____
SUBMITTED BY K. R. Pritchard
PRESSURES
BOTTOMHOLE _____
SHUTIN CASING 1340
SHUTIN TUBING 1440
FLOWING TUBING _____
FLOWING CASING _____
PRIMARY SEPARATOR _____
SECONDARY SEPARATOR _____
STOCK TANK _____
CHOKE SIZES TUBING _____
PRODUCTION RATES
PRIMARY SEP GAS _____
SECOND SEP GAS _____
PRIMARY SEP WATER _____
STOCK TANK _____
STOCK TANK WATER _____
POTENTIAL RATES GAS _____
OIL _____
DISPOSITION PRODUCTION GAS _____
FIELD TESTS AIR _____
_____ GAS ANALYSIS
_____ GAS ANALYSIS
_____ GAS ANALYSIS
SAMPLE METHOD Pill & purge
REMARKS (INCLUDING WEATHER DATA) _____

LEASE NAME Navajo-Tocito WELL NO. 3
DISTRICT Hobbs - Four Corners Area STATE N. Mex.
OPERATOR Mobil
FIELD Tocito Dome COUNTY San Juan
SAND Penn - D DEPTH _____
WELL DEPTH _____ PERCENTAGE _____ SHOTS _____
TEMPERATURES _____
BOTTOMHOLE _____
FLOWING WELLHEAD _____
HEATER IN _____ OUT _____
PRIMARY SEP. GAS _____ OIL _____
SECOND SEP. GAS _____ OIL _____
METER RUN _____
STOCK TANK _____
ATMOSPHERIC _____ 60 _____
HEATER _____

10-1263
 SEE GAS SEP WATER
 SEE GAS STOCK OIL
 SEE GAS STOCK WATER
 SEE GAS SEP OIL
 OVERHEAD GAS RIGID
 ALLOWABLE RATES GAS
 ME DUE
 DATE
 10-1263

LABORATORY DATA

ANALYST	NO.	C25,605	METHOD	ANALYZED BY	DATE
CYL #	4387	4356	XXXXMOL%		10/14/77
COMPONENT					
ETHANE	3.576	3.658			
ETHYLENE	27.419	26.605			
PROPANE	60.139	60.175			
PROPYLENE	5.751	5.983			
ISOBUTANE	1.990	2.198			
N-BUTANE	.304	.352			
ISOBUTYLENE	.454	.523			
PENTANE	.116	.140			
ISOPENTANE	.101	.122			
HEXANE	.150	.244			
TOTAL	100.000	100.000			
ANALYST	CWJ	AJA	CLP		
REVISOR	RED	OWB			

BTU

Cyl. 4387 - 788

Cyl. 4356 - 808

G. E. McIver DATE 10/18/77