

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

(See other instructions on reverse side)

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															
AMOCO PRODUCTION COMPANY															
3. ADDRESS OF OPERATOR															
501 Airport Drive, Farmington, New Mexico 87401															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*															
At surface 940' FWL & 790' FSL															
At top prod. interval reported below Same															
At total depth Same															
14. PERMIT NO.					DATE ISSUED										
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD							
12-21-72		1-4-73		2-20-73		6403' GL, 6415' KB		6403'							
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS					
5180'		5141'		Dual		→		O-TD							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*										25. WAS DIRECTIONAL SURVEY MADE					
4828-4958' Mesaverde										No					
26. TYPE ELECTRIC AND OTHER LOGS RUN										27. WAS WELL CORED					
Induction Electric and Gamma Ray Density										No					
28. CASING RECORD (Report all strings in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		AMOUNT PULLED							
8-5/8"		23#		419'		12-1/4"		None							
5-1/2"		14#		5180'		7-7/8"		None							
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-1/16"		4937'		4733'	
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
4828-32, 4841-46, 4903-08, 4948-58' x 1 SPF (Mesaverde)										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
										4828-4958'		Frac 37,842 gal treated water and 40,000 lbs. sand			
33.* PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)								WELL STATUS (Producing or shut-in)					
		Flowing								Shut In					
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
2-13-73		3 hrs.		0.750"		→									
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
120 psig		0 - Pkr.		→				1587 (AOF 1676)							
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY					
										MAR 6 1973					
35. LIST OF ATTACHMENTS															
Chaera completion report and cement report										U. S. GEOLOGICAL SURVEY					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
Original Signed by															
J. ARNOLD SNELL															
SIGNED										TITLE					
										Area Engineer					
										DATE					
										March 2, 1973					

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

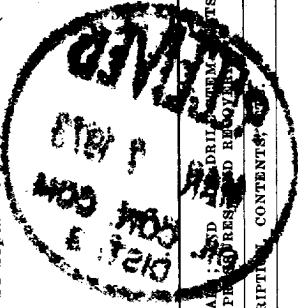
INSTRUCTIONS

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 DRILLING INTERVALS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES AND RECORDS				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Chacra Point Lookout	3494' 4800'	3532' 5015'	Natural gas Natural gas	Pictured Cliffs Lewis Chacra Cliffhouse Manatee Point Lookout Manos	2630' 2713' 3494' 4272' 4405' 4800' 5015'	

JICARILLA CONTRACT 155 NO. 24
GONZALES MESA-OTERO CHACRA FIELD
CEMENT REPORT

5-1/2" 14 lb./ft. casing set at 5180' using a two stage cement program.

First Stage - Cemented with 200 sacks Class "C" 50-50 Pozmix with 6% Gel and 2 pounds Tuf Plug per sack followed by 50 sacks Class "C" Neat. Plug down 7:58 p.m. January 4, 1973. Opened DV tool and circulated four hours. Did not circulate cement.

DV tool set at 3698'.

Second Stage - Cemented with 600 sacks Class "C" 50-50 Pozmix with 6% Gel and 2 pounds Tuf Plug per sack followed by 50 sacks Class "C" Neat. Plug down 1:19 a.m. January 5, 1973. Did not circulate cement.

THE OFFICIAL RECORDS OF THE
UNITED STATES DEPARTMENT OF THE ARMY
WASHINGTON, D. C.

THE OFFICIAL RECORDS OF THE
UNITED STATES DEPARTMENT OF THE ARMY
WASHINGTON, D. C.

THE OFFICIAL RECORDS OF THE
UNITED STATES DEPARTMENT OF THE ARMY
WASHINGTON, D. C.

THE OFFICIAL RECORDS OF THE
UNITED STATES DEPARTMENT OF THE ARMY
WASHINGTON, D. C.

THE OFFICIAL RECORDS OF THE
UNITED STATES DEPARTMENT OF THE ARMY
WASHINGTON, D. C.