

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contr. #111	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐ Workover		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla	
2. NAME OF OPERATOR Arco Oil and Gas Co; A Div. of Atlantic Richfield Co		7. UNIT AGREEMENT NAME -	
3. ADDRESS OF OPERATOR Suite 501 1860 Lincoln St., Denver, Colo. 80295		8. FARM OR LEASE NAME Jicarilla	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface (NE NE) 740' FNL & 990' FEL Sec. 5 (Unit A) At top prod. Interval reported below At total depth		9. WELL NO. 101	
14. PERMIT NO. Mr. Barrick		DATE ISSUED 8-17-79	
15. DATE SPUNDED -		10. FIELD AND POOL, OR WILDCAT W. Lindrith Gallup-Dak	
16. DATE T.D. REACHED -		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 5-24N-4W	
17. DATE COMPL. (Ready to prod.) 8-29-79		12. COUNTY OR PARISH Rio Arriba	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6781' GR; 6795' KB		13. STATE New Mexico	
19. ELEV. CASINGHEAD -		20. TOTAL DEPTH, LD & TVD 7522'	
21. PLUG, BACK T.D., MD & TVD 7438'-PBTD		22. IF MULTIPLE COMPL., HOW MANY* See below	
23. INTERVALS DRILLED BY -		24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Dakota-perfs 7221-50 & 7265-81; Graneros perfs 7077-93, added Gallup perfs 6237-6466 (O'all).	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN None - Workover.	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE No change.		WEIGHT, LB./FT. -	
DEPTH SET (MD) -		HOLE SIZE -	
CEMENTING RECORD -		AMOUNT PULLED -	
29. LINER RECORD		30. TUBING RECORD	
SIZE None		TOP (MD) -	
BOTTOM (MD) -		SACKS CEMENT* -	
SCREEN (MD) -		SIZE 2-3/8"	
DEPTH SET (MD) -		WATER--BBL. 35	
PACER SET (MD) None		GAS--MCF. 97	
31. PERFORATION RECORD (Interval, size and number) Added Gallup perfs (1 hole per Ft) at each of these depths: 6237, 6239, 6241, 6258, 6260, 6262, 6264, 6266, 6268, 6270, 6272, 6290, 6292, 6366, 6368, 6370, 6372, 6388, 6390, 6392, 6394, 6407, 6409, 6422, 6423, 6424, 6463, 6464, & 6466.		32. ACID, SHOT, FRACTURE, CEMENT SQUELZE, ETC. DEPTH INTERVAL (MD) See back of page.	
33. PRODUCTION DATE FIRST PRODUCTION 8-29-79		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Pump - 1 1/2" insert.	
WELL STATUS (Producing or shut-in) Producing.		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold.	
DATE OF TEST 9-6-79		HOURS TESTED 24	
CHOKE SIZE -		IRON'N. FOR TEST PERIOD -	
OIL--BBL. 35		GAS--MCF. 97	
WATER--BBL. 35		OIL GRAVITY-API (CORR.) 44	
FLOW. TUBING PRES. -		CASING PRESSURE -	
CALCULATED 24-HOUR RATE -		OIL--BBL. 35	
GAS--MCF. 97		WATER--BBL. 35	
35. LIST OF ATTACHMENTS See back of page for Summation of Workover.		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>W.A. Warrick, Jr.</u>		TITLE <u>Operations Manager</u>	
U. S. GEOLOGICAL SURVEY		SEP 27 1979	

* (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 23, 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 25.

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: "Seals 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
SUMMATION OF WORK:						
MI-RU Workover rig, pulled rods, pump, & Tbg. Set BP @ 7000'						
dumped 3 Sx. sand on top to blank off Graneros & Dakota perfs.						
Set Cem. Ret @ 6125 after perf. 6182-84. Unable break down						
form. Drld out Ret, Re-perf 6182-84 w/4 holes. Ran Tbg,						
set Pkr @ 5893' & Cem. squeezed w/150 Sx, 27.7 bbls Cem.						
into form, 4 bbls rev. out. Tagged Cem. @ 5968', drld soft						
cem. to 5998', firm cem to 6185' & bit fell free, circ						
hole clean.. Jet perf. Gallup 6237-6466 (O'all) (Depths						
of each perforation show on front page). Ran Tbg, acidized						
these perfs w/2500 Gals 15% HCL, pulled Tbg, Frac treated						
these perfs down Csg. w/177,000 Gals gelled Wtr, & 165,000#						
20-40 Sd. Max P-2900#, IR-60 BPM. Tested well, swabbing						
& flowing. Drilled out BP @ 7000' & pushed to 7438-PBTD.						
Ran Tbg, pump, & rods & PFT.						
COMPLETED WORKOVER 9-6-79: Pumped 35 BO, 35 BW, & 97 MCFD						
f/Gallup perfs 6237-6466 (O'all), & Graneros perfs 7077-93,						
& Dakota perfs 7221-50 & 7265-81. (Commingle in well bore.)						
NOTE: Verbal permission to dually complete, workover & Frac				treat as per conversation		
between your Mr. Barrick and our B. B. Still.						