

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 _____		7. UNIT AGREEMENT NAME - -	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☒ DIFF. RESVR. ☒ Other _____		8. FARM OR LEASE NAME Sapp Com.	
2. NAME OF OPERATOR Atlantic Richfield Company		9. WELL NO. 1	
3. ADDRESS OF OPERATOR 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80295		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface Unit "F" (SE NW) 1500' f/North & 1450' f/West lines At top prod. interval reported below Approx same Sec. 14 At total depth Approx same		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 14-27N-8W	
Commenced		12. COUNTY OR PARISH San Juan	
14. PERMIT NO. Mr. McGrath		13. STATE New Mexico	
DATE ISSUED 11/3/77		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5990' GR	
15. DATE SPUDDED 3/20/78		16. DATE T.D. REACHED -	
17. DATE COMPL. (Ready to prod.) 4/1/78		19. ELEV. CASING HEAD 5990'	
20. TOTAL DEPTH, MD & TVD 6817'		21. PLUG, BACK T.D., MD & TVD 4742'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-6817 (1966-67)	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4573-4676' Mesaverde		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL w/ GR correl.		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well) Previously set - -			
Casing Size		Weight, lb./ft.	
10-3/4"		32#	
7-5/8"		26.1#	
4-1/2"		10.5 & 11.6#	
Depth Set (MD)		Hole Size	
250'		12-1/4"	
2474'		9-7/8"	
6811'		6-1/4"	
Cementing Record		Amount Pulled	
200 sx		None	
210 sx		None	
110 sx 1st stage		None	
75 sx 2nd stage		None	
29. LINER RECORD None			
Size		Top (MD)	
Bottom (MD)		Sacks Cement*	
Screen (MD)		30. TUBING RECORD	
Size		Depth Set (MD)	
2-3/8"		4545'	
Packer Set (MD)		None	
31. PERFORATION RECORD (Interval, size and number) Dakota prev perf'd 6626-6795' overall, squeezed. Mesaverde - 1 jet shot each @ 4573, 76, 79, 82, 4585, 89, 91, 4604, 07, 16, 19, 55, 58, 76 (14 holes)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 4573-4676' AMOUNT AND KIND OF MATERIAL USED Ac'd w/ 1500 gal 15% HCl, fol w/frac w/99000 gal wtr w/ 99000# sand.			
33.* PRODUCTION			
DATE FIRST PRODUCTION 3/30/78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow thru 2-3/8" tbg. Cond.	
WELL STATUS (Producing or shut-in) SI - WO conn.		GAS—MCF. 123.7	
DATE OF TEST 4/10/78		HOURS TESTED 3 hrs	
CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD Est. 1.1	
FLOW. TUBING PRESS. 121#		CASING PRESSURE 393#	
CALCULATED 24-HOUR RATE Cond. 9		GAS—MCF. 990 MCFPD	
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold, SI WO conn.		WATER—BBL. IN	
LIST OF ATTACHMENTS Daily workover report.		TEST WITNESSED BY C. R. Thompson	
I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		OIL GRAVITY-API (CORR.) APR 14 1978	
SIGNED M.C. Brown		TITLE Oprns. Info., Asst.	
DATE 4/11/78			

*** (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.), formations 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Mesa Verde Mancos Gallup Greenhorn Nakota	3910' 4705' 5675' 6440' 6530'	

3/21/78 6617 TD - Prep PCH, set ret. 5 sq. Doh. Ran 3-7/8" bit, 4-1/2" Bkr scraper on 2-3/8" jts 2-3/8" on PCH tbg 8rd J-55, to C729'. 79' fill 1/2" PB. Pld 6 jts. 50' L. \$ 27,100

3/22/78 6617 TD - SD - crew unable to get across draw a/c rain. \$ 21,100

3/23/78 6617 TD - SD, crews unable to get to well a/c high water. \$ 22,100

3/25/78 6617 TD - Prep to CO to PCH. Had trouble getting into well a/c roads. Blsd 1" dn & killed w/150 bbl wtr. Circ gas out & wait 3 hrs f/truck bringing drill head. Install drlg head & PU swivel & kelly. SDCH. \$ 25,100

3/26/78 6805 PB - SD a/c Sunday. Sul out gas on tbg. Blew dn & loaded hole w/wtr. Ran 11' & scraper on tbg, drld & circ out 20' sd, drld what appeared to be cut retainer & pushed to 6805' (rec'd rubber, metal, 40" rings). PCH w/bit & scraper. RD D-A, set Bkr cut retainer @ 6540'. RD D-A. SDCH. \$ 27,100

3/27/78 6805 PD - Prep to set below retainer w/125 sx neat. SD a/c Sunday. \$ 27,100

3/28/78 4742 PB - Prep run tbg, pkr, acidize & frac. Ran Bkr stinger on 2-3/8" tbg to retainer @ 6540'. Fr annul to 1000'. Prep 10 BW @ 1.5 BHP @ 2000'. Sp'd 100 perfs 6626-6795' w/10 bbl into formation. HP & standing @ 3000'. Pld cut retainer, rev 12 Pbl slurry w/3500' rev. press. Displ hole w/25 KCl wtr. 500' w/tbg & stinger. RD D-A. Set Bkr Mod. "H" CIBP @ 4742'. Ran CBL w/68-cord correl log 4742-3800'. Gd cnt 4742-4520', top cnt @ 3800'. Perf Honeywells: 1 JS ca at: 4578', 4650', 4655', 4619', 4616', 4607', 4601', 4591', 4585', 4582', 4579', 4575', & 4573' (14 holes). Pld perf'g gun. Closed BPR. SDCH. \$ 35,100

3/29/78 4742 PB - Prep CO sd & blow well w/H2. Ran Bkr retb'l pkr on 2-3/8" tbg, set 4566'. Acid by perfs 4573-4626' w/1500 gal 15% HCl, 21 ball sealers. Bkr 2300', Ac on fr @ 1100', 4 BPH, balled off @ 3000'. Bal pr & displ ac 1100'. Bal n lower pkr to 4695' to knock off balls. Pld tbg & pkr. Frac by 4573' dn 4-1/2" esp w/25 KCl slick var w/25 friction reducer & 30# fld loss add w per 1000 gal & 20-40 sd: 10,000 gal med; 12,000 gal w/ 1/2" sd/gal; 16,000 gal w/1/2" sd/gal; 18,000 gal w/ 1-1/2" sd/gal; 24,000 gal w/2" sd/gal; 3,000 gal flush. Total 93,000 gal, 99900' sd. IR 35 BPH, HP 2400', ISD 900', 4 min 200'. RD frac equip. Ran 146 jts 2-3/8" tbg to 4545', SR 1 jt off hole. SDCH. \$ 50,100

3/30/78 4742 PB - Cont to sub. RU 80000 & Allied Services. Ran 4 more jts tbg to 4545' CO sd w/12 & form 774033-4742' (PCH). LD 7 jts tbg, Inst donut tbg bar on. Loaded 146 jts 2-3/8" SD PCH 4.7-5-55 tbg @ 4545'KB w/ API SD 1 jt off hole. Bldw 100', Inst'd 100'. Att'd to RD w/H2. Ran out of RS. RD & sub 4545' in 2 hrs, FL 2000'. SDCH. \$ 50,100

4/1/78 4742 rd - sent to flow & test. Yest a.m. CP & TP 0%. Subd 105 CM & RD 3 p.m. 1/2" flowing by hand, too hot to touch. Left open to pit 0'nite. \$ 50,100

4/01/78 4742 rd - Flag then, pr f/1st. Left flag to pit 0'nite, yest a.m. CP 25%, TP 0% to atm. 1" river tube reads 400 HCFPD, making considerable var & cond water. turned into separator.

4/02/78 4742 PB - COMPLETION GAS WELL 4/1/78. 8:15 a.m. 4/1/78, flag thru 238' CL. 5y TP, 47.5 surface meter press, 320 HCFPD, 3.34 B cond./day 1/2" surface plate. ST 8:20 a.m. 4/1/78. \$ 60,100

1/11/76 4742 TD - Test 4/10/76 - 9 day STG 982%, STTP 982%. 3 hr test, 316 @ 300 BHPD, 3/4" choke, FTF 121%, FOF 392%, est 35 BHPD, 75% IS, (9' LMI cord, 27 1/2" IS). Calc AOF 1019 BHPD

ILLEGIBLE