

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other in-
structions on
reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-079938	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☒ RECOMPLETE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. Hughes LS 148	
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements)* At surface 800' FNL 800' FWL UNIT D		9. API WELL NO. 3004524648	
10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 30	
12. COUNTY OR PARISH San Juan		13. STATE New Mexico	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 06/15/81		16. DATE T.D. REACHED 06/22/81	
17. DATE COMPL. (Ready to prod.) 05/31/94		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6491' gr	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 7636'	
21. PLUG, BACK T.D., MD & TVD 7300'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS YES	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 4678'-5354' Blanco Mesaverde		CABLE TOOLS NO	
25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN	
27. WAS WELL CORED			

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	281'	12-1/4"	280sx cl-B cmt	
7"	23#	3729'	8-3/4"	600sx 66/35 poz 150 SX CL-b CMT	
4-1/2"	10.5, 11.6#	7635'	6-1/4"	360SX 66/35 POZ	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3568	7635	350sx		2-3/8"	5310'	

31. PERFORATION RECORD (Interval, size and type of perforation) See attached for perf and frac information	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
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33.* PRODUCTION		WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION 05 31 1994	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) flowing	shut in	
DATE OF TEST 05 31 1994	HOURS TESTED 24	CHOKE SIZE .5"	PROD'N FOR TEST PERIOD .5
FLOW TUBING PRESS 450	CASING PRESSURE 500	CALCULATED 24-HOUR RATE 700	GAS - MCF. 3
34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) TO BE SOLD		TEST WITNESSED BY	

35. LIST OF ATTACHMENTS		PERF AND FRAC SUMMARY	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED	<i>David M. Kilgore</i>	TITLE	BUSINESS ANALYST
		DATE	06-03-1994

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMCOO

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
LEWIS	Csg Shoe	4658'	NOT LOGGED ABOVE 3700'	Greenhorn	7270'	
CLIFFHOUSE	4658'	4865'	Shale			
	4865'	5170'	Shale			
			Sand, water, shale			
POINT LOOKOUT	5170'	5410'	Sand, water			
MANCOS	5410'	6390'	Shale			
GALLUP	6390'	6995'	Sand, water			
GRANEROS SHALE	7340'	7375'	Shale			
DAKOTA	7375'	TD	San, Gas			

Amoco Production Company
Hughes Com 6/ Hughes LS 1B Recomplete

5/17/94 RUSU, CSG 500, TBG 380. BLW DN WELL. WELL DEAD. NDWH & NUBOPS. TOH WITH 119 STANDS 2-3/8" TBG. TALLY OUT. MAKE UP SCRAPER & TIM TO DEPTH OF 7620'. TOH.

CSG PR 300 PSI. BLW DN WELL. NDBOPS & NU FRAC VALVE. RUN & SET 4-1/2 BRIDGE PLUG AT 7300 OK. PMP 200 BBLs TO LOAD HOLE. PR TST CSNG TO 3000 PSI OK. MAKE 3 BAILER RUNS TO CAP RETAINER WITH 50+ FT CMT.

PERF: POINT LOOKOUT AS FOLLOWS USING 3-1/8 CSNG GUNS LOADED WITH 2 SPF, 120 DEGREE PHASING, 13 GRAMS CHGS WITH HOLE SIZE OF .34": 5265-5300 5305-5322 5326-5344 5347-5354 RIG DWN WIRELINE.

CSNG PR 15 PSI. PR TST SURFACE LINES TO 5000 PSI OK.

FRAC: FOAM FRAC POINT LOOKOUT (PERFS 5265-5354). FLW METER ON N2 FAILED. SHUT DOWN & REPAIR SAME. FRAC AS FOLLOWS: AVG CLEAN RATE 25 BPM, AVG PR 1300 PSI, CLEAN VOLUME 955 BBLs, TOTAL N2 USED 1,091,000 SCF SAND IN FORMATION 1300,000 LBS, 16/30 BRADY ISIP. SET 4-1/2 RET PLUG AT 5180. BAIL SAND ON TOP OF PLUG. PMP 100 BBLs TO FILL HOLE & PR TST PLUG TO 3000 PSI OK.

PERF: AS FOLLOWS USING 3-1/8 GUNS LOADED WITH 2 SPF, 120 DEGREE PHASING, 13 GRAM CHGS WITH HOLE SIZE OF .34": 4678-4688 4693-4697 4704-4709 (CLIFFHOUSE) 4735-4741 4750-4769 4994-5012 5023-5041 5052-5067 (MENAFEE) 5088-5096. RIG DOWN WIRELINE.

PR TST SURFACE LINES TO 5000 PSI.

FRAC; FRAC CLIFFHOUSE AND MENAFEE AS FOLLOWS: AVG CLEAN RATE 19.38 BPM, AVG TREATING PR 2086 PSI, AVG N2 RATE 20,794 SCF/MIN, TOTAL CLEAN FLUID 1015 BBLs, TOTAL N2 USED 2,000,500 SCF SAND CONCENTRATION 1-5 PPG BRADY 16/30 SAND IN FORMATION 200,000 LBS ISIP 1750 PSI 15 MIN 1289 PSI.

INSTALL FLW BACK TREE. SHUT IN WELL FOR 4 HRS. START FLW BACK THRU 1/4" CHK. FLW WELL UP CSNG ON CLEAN UP FOR 40-1/2 HRS SHUT IN CSNG PR 1150 PSI, FLW THRU 1/4" CHK FOR 4 HRS. CHG TO 1/2" CHK FOR 1 HR BLWING OVER TNK CHG BACK TO 1/4" FOR 2 HRS FLWING CSG PR AFTER 40-1/2 HRS 150PSI. RECOVERY OF 460 BBLs H2O CONTINUE TO FLW ON CLEAN UP. FLW WELL ON CLEAN UP FOR 24HRS THRU 1/2" CHK FLWING CSNG PR 90 PSI DAILY RECOVERY 50 BBLs RECOVERED TO DATE 510BBLs. FLW WELL THRU 1/2" CHK OVERNIGHT. FLWING CSNG PR 80 PSI. DAILY RECOVERY 10 BBLs, RECOVERED TO DATE 520 BBLs. BLW DN WELL. PMP 40 BBLs TO KILL WELL. ND FRAC VALVE & NUBOPS. MAKE RET HEAD FOR TET PLUG & TIH ON 2-3/8" TBG. TAG FILL 5020. CLEAN OUT 160 FT FILL TO TOP OF PLUG. LATCH ONTO PLUG & LET EQUALIZE. TOH & LAY DWN PLUG. TIH WITH 1/2 MULESHOE, INT & 2-3/8 TBG. PAG FILL 7096. PULL UP & LAND TBG 5310. TAG FLUID 2600. RECOVER 12 BBLs. CSNG PR 40 PSI. BLW DN WELL. PMP 20 BBLs DWN TBG. TIH. TAG FILL 7086. PULL AND AND DWN 72 JNTS 2-3/8" TBG. LAND TBG AT 5325.33 NDBOPS & NUWH. RIG UP SWAB EQUIP. PULL 16 RUNS. RECOVER 40 BBLs. FLUID LEVEL 2500. WELL KICKED OFF. FLWING TBG PR 50 PSI THRU 2" LINE. FLW FOR 2-1/2 HRS. RIG RELEASED RDSU. 5/25/94