

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG: 48

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/>	OTHER <input type="checkbox"/>
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NAME OF OPERATOR NORTHWEST PIPELINE CORPORATION	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 58900 MS 2M3 SALT LAKE CITY, UTAH 84158-0900 (801) 584-6981	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): 830' FSL & 830' FEL At Surface At top production interval reported below At total depth	
14. PERMIT SNO.	DATE ISSUED
12. COUNTY OR PARISH RIO ARriba	
13. STATE NEW MEXICO	
15. DATE SPUNDED 06/20/94	16. DATE T.D. REACHED 07/01/94
17. DATE COMPLETED (READY TO PRODUCE) 10/08/94	18. ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6345' GR
19. ELEVATION CASINGHEAD 6345'	
20. TOTAL DEPTH, MD & TVD 8038'	21. PLUG, BACK T.D., MD & TVD 8033'
22. IF MULTICOMP., HOW MANY MV/DK	23. INTERVALS DRILLED BY ----->
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* BLANCO MESAVERDE 5356' TO 5973'	
25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/SNL	
27. WAS WELL CORED NO	

28. CASING REPORT (Report all strings set in well)							
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
10-3/4" H-40	32.75#	368'	13-3/4"	240 SX	286 cu.ft.	SURFACE	
7-5/8" K-55	26.4#	3680'	9-7/8"	865 SX	1607 cu.ft.	SURFACE	
5-1/2" N-80	17#	8038'	6-3/4"	415 SX	601 cu.ft.	3300' (SURVEY)	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2" N-80	2980' (SURV)	8038'	415 SX (801 cu.ft.)		1-1/2" 2.9#	5907'	6060'

31. PERFORMANCE RECORD (Interval, size, and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
STATE 1: 5650', 52', 54', 56', 58', 68', 70', 72', 74', 79', 81', 83', 85', 87', 89', 91', 93', 95', 97', 99', 5701', 16', 18', 20', 22', 24', 52', 57', 85', 587', 99', 5901', 19', 21', 73'. TOTAL 35 .36" DIA HOLES STAGE 2: 5356', 97', 5402', 35', 57', 78', 88', 90', 92', 5527', 29', 31', 33', 35', 37', 39', 41', 43', 45', 47', 49', 51', 53', 55', 71', 86', 88', 90', 92', 94', 96', 98', 5600', 02', 04'. TOTAL OF 35 .36" DIA HOLES.							
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				5650'	5973'	82,300# 20/40 SAND	88,242 GALS OF SLICK WATER
				5356'	5604'	89,000# 20/40 SAND	93,072 GALS OF SLICK WATER

33. PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 10-15-94	HOURS TESTED 6 HRS	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD----->	OIL - BBL. 0	GAS - MCF 452	WATER - BBL. 0	GAS-OIL RATIO
FLOW TUBING PRESS N/A	CASING PRESSURE 1067	CALCULATED 24-HOUR RATE-----> PILOT TEST		OIL - BBL. 0	GAS - MCF 1808	WATER - BBL. N/A	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD	TEST WITNESSED BY CHICK CHARLEY
35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.	

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED MARK MCCALLISTER TITLE SR. ENGINEER DATE October 19, 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.

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	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
<u>MACMIENTO</u>	<u>SURFACE</u>							
010 ALAMO	2447'	2547'						
KIRTLAND	2547'	2947'						
FRUITLAND	2947'	3205'						
PICTURED CLIFFS	3205'	3510'						
LEWIS	3510'	5329'						
CLIFF HOUSE	5329'	5442'						
MENEFFEE	5442'	5648'						
POINT LOOKOUT	5648'	6002'						
MANCOS	6002'	7516'						
GREENHORN	7516'	7694'						
GRANEROS	7694'	7872'						
DAKOTA	7872'	N/A						
TD	8038'							