

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. SF 078120A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR El Paso Natural Gas Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR PO Box 4289, Farmington, NM 87499				8. FARM OR LEASE NAME Crandell	
4. LOCATION OF WELL (Report location clearly and in accordance with G.S. 10-1-101, 101-102, 101-103) At surface 1115'N, 1800'W At top prod. interval reported below At total depth				9. WELL NO. 3	
14. PERMIT NO. U. S. GEOLOGICAL SURVEY DATE ISSUED FEB 3 1983 FARMINGTON N. M.				10. FIELD AND POOL, OR WILDCAT Aztec PC Ext. & Blanco MV	
15. DATE SPEDDED 11-6-82				11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 35, T-31-N, R-12-W, NMPM	
16. DATE T.D. REACHED 11-12-82				12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 1-27-83				13. STATE NM	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5957' GL				19. ELEV. CASINGHEAD 5945'	
20. TOTAL DEPTH, MD & TVD 5240'		21. PLUG, BACK T.D., MD & TVD 5120'		22. IF MULTIPLE COMPL. HOW MANY* two	
23. INTERVALS ROTARY TOOLS CABLE TOOLS				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4501-4964' (MV)	
25. WAS DIRECTIONAL SURVEY MADE no				26. TYPE ELECTRIC AND OTHER LOGS RUN CNFD, ISFL, DCL, CDL, CPL, Temp. Survey	
27. WAS WELL CORED no				OIL CON. DIV.	
28. CASING RECORD (Report all strings set in Dist. 3)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
9 5/8"		36.0#		235'	
7"		20.0#		2677'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12 1/4"		212 cu. ft.			
8 3/4"		617 cu. ft.			
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
4 1/2"		2516'		5135'	
SACKS CEMENT*		SCREEN (MD)		30. TUBING RECORD	
459 cf				SIZE	
				2 3/8"	
				DEPTH SET (MD)	
				4946'	
				PACKER SET (MD)	
				2525'	
31. PERFORATION RECORD (Interval, size and number) 4501, 4550, 4560, 4567, 4696, 4702, 4708, 4714, 4720, 4731, 4738, 4746, 4760, 4766, 4794, 4801, 4838, 4851, 4887, 4900, 4907, 4922, 4928, 4964 w/l spz.					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
4501-4964'		74,000#sand & 167,700 gal. water			
33.* PRODUCTION					
DATE FIRST PRODUCTION 11-20-82 clean out		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing			WELL STATUS (Producing or shut-in) shut in
DATE OF TEST 1-20-83		HOURS TESTED 3		CHECK SIZE 3/4"	
PROD'N. FOR TEST PERIOD →		OIL—BBL. 0		GAS—MCF. 697	
WATER—BBL. 0		GAS-OIL RATIO --			
FLOW, TUBING PRESS. SI 860		CASING PRESSURE →		CALCULATED 24-HOUR RATE →	
OIL—BBL. 0		GAS—MCF. 5579		WATER—BBL. 0	
OIL GRAVITY-API (CORR.)					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut in, to be sold					
35. LIST OF ATTACHMENTS Cement summary and temperature survey					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.					
SIGNED <u>D. G. Guisco</u>		TITLE <u>Drilling Clerk</u>		DATE <u>February 2, 1983</u>	

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

NMOCG

FARMINGTON DISTRICT

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 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.	38. GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Ojo Alamo	720'	768'	White, cr-grn s.	Ojo Alamo	720'
Kirtland	768'	2006'	Gry sh interbedded w/tight gry fine-grn ss	Kirtland	768'
Fruitland	2006'	2350'	Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss	Fruitland	2006'
Pictured Cliffs	2350'	3188'	Gry, fine-grn, tight, varicolored soft ss	Pic. Cliffs	2350'
Chacra	3188'	3920'	Gry fn grn silty, glauconitic sdstone with drk gry shale	Chacra	3188'
Mesa Verde	3920'	4038'	ss. Gry, fine-grn, den sil ss.	Mesa Verde	3920'
Menefee	4038'	4670'	Gry, fine-grn s, carb sh & coal	Menefee	4038'
Pt. Lookout	4670'	---	Gry, very fine sil ss w/frequent sh breaks	Pt. Lookout	4670'

Cementing:

9 5/8" surface - 180 sks. of Class "B" cement w/1/4# gel-flake/sk. and 3% calcium chloride 212 cu. ft.

7" Intermediate Casing - 290 sks. of 65/35 Class "B" Pozmix w/6% gel and 2% calcium chloride, 1/2 cu. ft. perlite, followed by 100 sks. of Class "B" w/2% calcium chloride, 1/2 cu. ft. of perlite 617 cu. ft.

4 1/2" Liner - 335 sks. of 50/50 Class "B" Pozmix w/2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sk. 459 cu. ft.