

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 11-14-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 11-14-85		Total Depth 7940	Plug Back TD 7933
Elevation 6581 GR		Form or Lease Name S.J. 28-5 Unit	
Coq. Size 4.500	wt. 11.6	d 4.000	Set At 7940
Perforations: From 7738 To 7935		Well No. 84E	
Req. Size 1.900	wt. 2.9	d 1.610	Set At 7905
Perforations: From To		Unit 0 Sec. 16 Twp. 28 Rng. 05	
Type Well - Single - Braehead - G.G. or G.O. Multiple Single		Packer Set At None	County Rio Arriba
Producing Thru Tbg.	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12
State New Mexico			
L	H	G _g	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run	Taps
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
	Press. p.s.i.g.	Diff. h _w	Temp. °F
	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	1500	1660	7 Days
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
			Flow Temp. Factor Fl.
			Gravity Factor F _g
			Super Compress. Factor, F _{pv}
			Rate of Flow Q, Mcfd
1.			
2.			
3.			
4.			
5.			
NOV 20 1985			
NO.	P _r	Temp. °R	T _r
			Z
	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
	Specific Gravity Separator Gas _____		
	Specific Gravity Flowing Fluid _____ X X X X X		
	Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
	Critical Temperature _____ R _____ R		
	P _e	P _w	P _e ² - P _w ²
1.			
2.			
3.			
4.			
5.			
		(1) $\frac{P_e^2}{P_e^2 - P_w^2} =$ _____	
		(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$ _____	
		ACF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$ _____	
Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____ Slope, n _____	
Remarks: _____			
Approved by Commission:		Conducted By: John Easley	Calculated By: Ed Mabe
		Checked By: kld	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP EN PLUG BACK DIFF DESVR Other _____

2. NAME OF OPERATOR: El Paso Natural Gas Company

3. ADDRESS OF OPERATOR: P. O. Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
 At surface: 790' FSL, 1450' FEL
 At top prod. interval reported below
 At total depth

14. PERMIT NO. _____ DATE INSUED NOV 18 1985

13. DATE SPUDDED: 10-20-85
 16. DATE T.D. REACHED: 10-29-85
 17. DATE COMPL. (Ready to prod.): 11-14-85
 18. ELEVATIONS (DF, RNB, RT, GR, ETC.): 6575' GL
 19. ELEV. CASINGHEAD: 6575'

20. TOTAL DEPTH, MD & TVD: 7947'
 21. PLUG BACK T.D., MD & TVD: 7938'
 22. IF MULTIPLE COMPL. HOW MANY?: One
 23. INTERVALS DRILLED BY: Rotary
 ROTARY TOOLS: _____ CABLE TOOLS: No

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD):
 7738-7935' (Basin Dakota)

26. TYPE ELECTRIC AND OTHER LOGS RUN: Temp Surveys; Correlation Gamma-Ray Log; Ind. Gamma-Ray Log; Comp. Density Sidewall Neutron Log; Temp Log
 27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3#	222'	12 1/4"	138 cu ft	
7"	20.0#	3783'	8 3/4"	305 cu ft	
4 1/2"	11.6#	7932'	6 1/4"	641 cu ft	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2"	7905'	

31. PERFORATION RECORD (Interval, size and number):
 Pressure test to 5000 psi-ok. Perf'd 7738, 7742, 7811, 7815, 7819, 7822, 7825, 7828, 7873, 7876, 7879, 7882, 7885, 7888, 7891, 7894, 7897, 7900, 7903, 7906, 7919, 7923, 7927, 7931, 7935 w/1 SPZ.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
 DEPTH INTERVAL (MD): 7738-7935'
 AMOUNT AND KIND OF MATERIAL USED: 82,000# 40/60 sand & 98,600 gals slickwater

33. PRODUCTION
 DATE FIRST PRODUCTION: 11-1-85
 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Capable of Comm. HC to be tested
 WELL STATUS (Producing or shut-in): Shut in
 DATE OF TEST: 11-14-85
 HOURS TESTED: SI 7 Days
 CHOKER SIZE: 0
 PROD'N. FOR TEST PERIOD: No Flow
 OIL—BBL.: 0
 GAS—MCF.: 0
 WATER—BBL.: 0
 GAS-OIL RATIO: 0
 FLOW. TUBING PRESS.: SI 1500
 CASING PRESSURE: SI 1660
 CALCULATED 24-HOUR RATE: No Flow
 OIL—BBL.: No Flow
 GAS—MCF.: No Flow
 WATER—BBL.: 0
 OIL GRAVITY-API (CORR.): 0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Shut in to be Sold

35. LIST OF ATTACHMENTS: Temp Surveys

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED: [Signature] TITLE: Drilling Clerk DATE: 11-18-85

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NOV 18 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.: SF 080516

7. UNIT AGREEMENT NAME: San Juan 28-5 Unit

8. FARM OR LEASE NAME: San Juan 28-5 Unit

9. WELL NO.: 84E

10. FIELD AND POOL OR WILDCAT: Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 16, T-28-N, R-5-W NMPM

12. COUNTY OR PARISH: Rio Arriba
 13. STATE: NM

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OIL CON. DIV.
DIST. 3

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core 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	MEAS. DEPTH	TRUE VERT. DEPTH
Chacra	4464'	5260'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4464'	
Mesa Verde	5260'	5340'	Gry, fine-grn, dense sil ss., carb sh & coal	Mesa Verde	5260'	
Menefee	5340'	5653'	Gry, fine-grn s, carb sh & coal	Menefee	5340'	
Point Lookout	5653'	6153'	Gry, very fine sil ss w/frequent sh breaks	Pt. Lookout	5653'	
Mancos	6153'	6705'	Gry carb sh.	Mancos	6153'	
Gallup	6705'	7618'	Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh	Gallup	6705'	
Greenhorn	7618'	7673'	Highly calc gry sh w/thin lmst.	Greenhorn	7618'	
Graneros	7673'	7791'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7673'	
Dakota	7791'	7932'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dakota	7791'	