

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
El Paso Natural Gas Company
3. ADDRESS OF OPERATOR
P.O. Box 289, Farmington, New Mexico
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1040'N, 1540'E
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

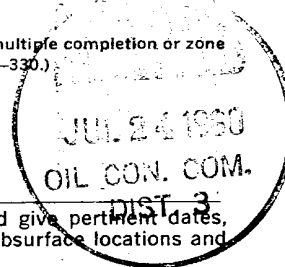
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☒
☐
☐
☐
☐
☐
☐
☐

5. LEASE
SF 079289
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
San Juan 28-7- Unit
8. FARM OR LEASE NAME
San Juan 28-7 Unit
9. WELL NO.
234 E
10. FIELD OR WILDCAT NAME
Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T-28-N, R-7-W NMPM
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6146' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7-8-80: Spudded well. Drilled surface hole.

7-9-80: Ran 5 joints 9 5/8", 36#, K-55 surface casing 220' set at 233'. Cemented w/ 224 cu. ft. cement. Circulated to surface. WOC 12 hours; held 600#/30 minutes.

RECEIVED

JUL 1 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED A. G. Bues TITLE Drilling Clerk DATE July 10, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR
P.O. Box 289, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1040'N, 1540'E
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐	☒
FRACTURE TREAT ☐	☐
SHOOT OR ACIDIZE ☐	☐
REPAIR WELL ☐	☐
PULL OR ALTER CASING ☐	☐
MULTIPLE COMPLETE ☐	☐
CHANGE ZONES ☐	☐
ABANDON* ☐	☐
(other)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7-13-80: TD 3133'. Ran 72 joints 7", 20#, K-55 intermediate casing 3122' set at 3133' Cemented w/ 266 cu. ft. cement. WOC 12 hours; held 1200#/30 minutes. Top of cement 1800'.

7-18-80: TD 7372'. Ran 181 joints 4 1/2", 10.5#, K casing liner 7364' set at 7372'. Float collar set at 7355'. Cemented w/ 650 cu. ft. cement. WOC 18 hours.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED A. J. Davis TITLE Drilling Clerk DATE July 29, 1980

(This space for Federal or State office use)

APPROVED BY _____
CONDITION _____

TITLE _____ DATE _____

AUG 05 1980

FARMINGTON DISTRICT

BY DAV

*See Instructions on Reverse Side

5. LEASE

SF 079289

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 28-7 Unit

8. FARM OR LEASE NAME

San Juan 28-7 Unit

9. WELL NO.

234-E

10. FIELD OR WILDCAT NAME

Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T-28-N, R-7-W
NMPM

12. COUNTY OR PARISH

Rio Arriba

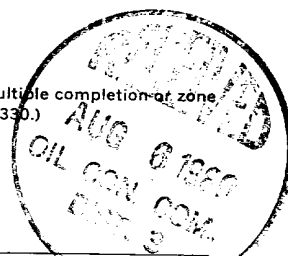
13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6146' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-16-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit San Juan 28-7	
Completion Date 3-8-81		Total Depth 7372		Plug Back TD 7355		Elevation 6146 GL		Farm or Lease Name San Juan 28-7 Unit	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 7372	Perforations: From 7092 To 7298		Well No. #234 E			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 7271	Perforations: From To		Unit B	Sec. 15	Twp. 28	Rge. 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. -- P _a 12		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

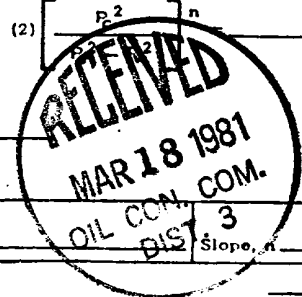
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							2209		2210		8 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1						
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____



Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Division	Conducted By: Norman Waggoner	Calculated By: H. E. McAnally
		Checked By:

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

TO: DIRECTOR	
DISTRIBUTION	
MANAGER	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
REGISTRATION OFFICE	
Operator	

El Paso Natural Gas Company

Address

P.O. Box 289, Farmington, NM 87401

Reason(s) for filing (Check proper box)

New Well ☒

Change in Transporter of:

Recompletion ☐Oil ☐Dry Gas ☐Change in Ownership ☐Casinghead Gas ☐Condensate ☐

Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name San Juan 28-7	Well No. 234E	Pool Name, Including Formation Basin Dakota	Kind of Lease State/Federal/Other Fee	Lease No. SF 079289
Location Unit Letter <u>B</u> ; <u>1040</u> Feet From The <u>North</u> Line and <u>1540</u> Feet From The <u>East</u> Line of Section <u>15</u> Township <u>28-N</u> Range <u>7-W</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 289, Farmington, NM 87401	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐ El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 289, Farmington, NM 87401	
If well produces oil or liquids, give location of tanks.	Unit B	Sec. 15
	Twp. 28N	Rge. 7W
	Is gas actually connected? ☐ When	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 7-8-80	Date Compl. Ready to Prod. 3-16-81	Total Depth 7372'	P.B.T.D. 7355'					
Elevations (DF, RKB, RT, GR, etc.) 6146' GL	Name of Producing Formation Dakota	Top Oil/Gas Pay 7092'	Tubing Depth 7271'					
7092, 7105, 7113, 7131, 7140, 7148, 7219, 7228, 7252, 7270, 7278, 7286, 7297' W/1 SPZ.			Depth Casing Shoe 7372'					
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13 3/4"	9 5/8"	233'	224 cf.					
8 3/4"	7"	3133'	266 cf.					
6 1/4"	4 1/2"	7372'	650 cf.					
	1 1/2"	7271'						

V. TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 214	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shot-in)	Casing Pressure (Shot-in)	Choke Size
	2209	2210	

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Drilling Clerk

March 23, 1981

OIL CONSERVATION DIVISION

APPROVED APR 8 1981, 19
Original Signed by FRANK T. CHAVEZ
BY SUPERVISOR DISTRICT # 3
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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 079289	
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 San Juan 28-7 Unit	
3. ADDRESS OF OPERATOR P.O. Box 289, Farmaington, NM 87401				8. FARM OR LEASE NAME San Juan 28-7 Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1040'N, 1540'E At top prod. interval reported below At total depth				9. WELL NO. 234E	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DATE SPUNDED 7-8-80				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 15, T-28-N, R-7-W NMPM	
16. DATE T.D. REACHED 7-12-81				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 3-16-81				13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 6146' GL				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7372'		21. PLUG, BACK T.D., MD & TVD 7355'		22. IF MULTIPLE COMPL., HOW MANY * _____	
23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-7372'				CABLE TOOLS _____	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) * 7092-7297' (Dakota)				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CDL/GR; EL/GR; Temp. Survey				27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
9 5/8"		36#		233'	
7"		20#		3133'	
4 1/2"		10.5.#		7372'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
13 3/4"		224 cf.			
8 3/4"		266 cf.			
6 1/4"		650 cf.			
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"		7271'			
31. PERFORATION RECORD (Interval, size and number)					
7092, 7105, 7113, 7131, 7140, 7148, 7219, 7228, 7252, 7270, 7278, 7286, 7297' W/1 SPZ.					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
7092-7297'		155,000# sd, 105,000 gal. wtr.			
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
					Shut-In
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
3-16-81					
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS-OIL RATIO			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
SI 2209		SI 2210			
OIL—BBL.		GAS—MCF.		WATER—BBL.	
		After Frac		Gauge 214 MCF/D	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
TEST WITNESSED BY					
Non-Major					
35. LIST OF ATTACHMENTS					
ACCEPTED FOR RECORD					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>D. G. Bisco</u>		TITLE <u>Drilling Clerk</u>		DATE <u>APR 10 1981</u>	
				March 23, 1981	
				FARMINGTON DISTRICT	
				BY <u>RB</u>	

*(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.), 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:				38. GEOLOGIC MARKERS	
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	MEAS. DEPTH
					TRUE VERT. DEPTH
				Upper zones not logged	
				Chacra	3810'
				Mesa Verde	4492'
				Menefee	4622'
				P.L.	5038'
				Gallup	6045'
				G.H.	6995'
				Graneros	7051'
				Dakota	7183'