

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

Box 289, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1650'S, 1660'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)

5. LEASE

NM 019405

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bloomfield

9. WELL NO.

1E

10. FIELD OR WILDCAT NAME

Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 17, T-29-N, R-11-W

N.M.P.M.

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5605' 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.)*

3-30-80: TD 6460'. Ran 202 joints of 4 1/2", 10.5#, K-55 production casing 6448 set at 6460'. Float collar set at 6445', stage tools set at 4637-1937'. Cemented 1st stage w/363 cu. ft. cement. 2nd stage w/ 527 cu. ft. cement, 3rd stage w/ 640 cu. ft. cement. WOC 18 hours. Top of cement at 200'.

Subsurface Safety Valve: Manu. and Type

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

SIGNED W. B. Dumas TITLE Drilling Clerk DATE April 2, 1980

(This space for Federal or State office use)

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

NMCCC

ACCEPTED FOR RECORD

APR 7 1980

FARMINGTON DISTRICT
BY Max Kuchera

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-28-80				
Company El Paso Natural Gas Co.				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 4-21-80		Total Depth 6460		Plug Back TD 6445		Elevation		Farm or Lease Name Bloomfield	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6460	Perforations: From 6223 To 6416		Well No. 1E			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6414	Perforations: From To		Unit J	Sec. 17	Twp. 29	Rye. 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

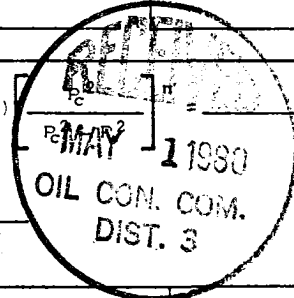
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1522		1522		7 Days
1.											
2.											
3.											
4.											
5.											

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 _t	Temp. °R	T _r	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

NO.	P _t 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 _____	Slope, n _____
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Approved By Commission:	Conducted By: C. Rhames	Calculated By: R. Wagner	Checked By:
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NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

CORRECTED COPY

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-28-80				
Company El Paso Natural Gas Company				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 4-21-80		Total Depth 6460		Plug Back TD 6445		Elevation		Farm or Lease Name Bloomfield	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6460	Perforations: From 6223 To 6416		Well No. 1E			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6414	Perforations: From To		Unit Sec. Twp. Rge. J 17 29 11			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

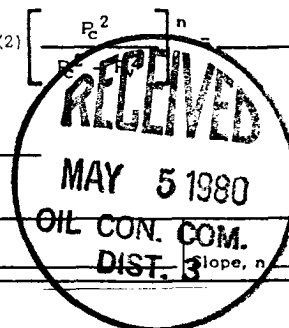
FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1522		1522		7 Days
1.											
2.											
3.											
4.											
5.											

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 _r	Temp. °R	T _r	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

NO.	P _t ²	P _w ²	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						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	
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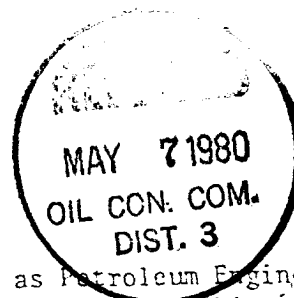


Approved By Commission:	Conducted By: C. Rhames	Calculated By: C.T. Wagner	Checked By:
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DEVIATION REPORT

DEPTH DEVIATION

722'	$1/4^{\circ}$
1435'	1°
2203'	$1/2^{\circ}$
2750'	$1/2^{\circ}$
3953'	$1/2^{\circ}$
4206'	$1/2^{\circ}$
4810'	$1/2^{\circ}$
5382'	$3/4^{\circ}$
6151'	$1 \frac{1}{4}^{\circ}$
6460'	$3/4$



I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

Subscribed and sworn to before me this 2nd day of May, 19 80.

Notary Public in and for San Juan County, New Mexico

My Commission expires, October 5, 1980

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 _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR						5. LEASE DESIGNATION AND SERIAL NO.	
El Paso Natural Gas Company						NM 019405	
3. ADDRESS OF OPERATOR						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
Box 289, Farmington, New Mexico 87401						7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						8. FARM OR LEASE NAME	
At surface 1650'S, 1660'E						Bloomfield	
At top prod. interval reported below						9. WELL NO.	
At total depth						1E	
14. PERMIT NO.						10. FIELD AND POOL, OR WILDCAT	
DATE ISSUED						Basin Dakota	
15. DATE SPUDDED						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
3-16-80						Sec. 17, T-29-N, R-11-W	
16. DATE T.D. REACHED						N.M.P.M.	
3-28-80						12. COUNTY OR PARISH	
17. DATE COMPL. (Ready to prod.)						San Juan	
4-28-80						13. STATE	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*						New Mexico	
5605' GL						19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
6460'		6445'				ROTARY TOOLS	
						CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION, TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
6223-6416' (Dak)						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
IEL; CDL-GR; Temp. Survey						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8 "		24#		211'		12 1/4"	
4 1/2"		10.5#		6460'		7 7/8"	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8"		6414'					
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
6223,6226,6305,6310,6315,6322,6326,6330,6343				DEPTH INTERVAL (MD)			
6346,6385,6386,6394,6396,6410,6413,6416'				AMOUNT AND KIND OF MATERIAL USED			
W/1 SPZ.				6223=6416'			
				250,000# sd, 90,000 gal. wtr.			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					
		After Frac Gauge 604 MCF/D					
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
4-28-80							
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
SI 1522		SI 1522					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE		DATE			
A. J. Lisco		Drilling Clerk		May 2, 1980			

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

NMOCC

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 both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number 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 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 and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations, 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 the 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 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, adequate 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.

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				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
				P.C. Chacra M.V. P.L. Gallup G.H. Graneros Dakota	1787' 2795' 3358' 4113 5377' 6115' 6171' 6291'