

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 CO.

3. ADDRESS OF OPERATOR
BOX 990, FARMINGTON, NEW MEXICO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1667'S, 1750'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 078499

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Riddle F

9. WELL NO.

2A

10. FIELD OR WILDCAT NAME

Blanco Mesa Verde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 8, T-28-N, R-8-W
NMPM

12. COUNTY OR PARISH

San Juan

13. STATE
New Mexico

14. API NO.

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

5924' 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.)*

2/6/78: T.D. 2677'. Ran 64 joints 7", 20#, K-55 intermediate casing, 2662' set at 2677'. Cemented with 294 cu. ft. cement. WOC 12 hours; held 1200#/30 minutes. Top of cement at 1300'.

2/8/78: T.D. 5042'. Ran 76 joints 4 1/2", 10.5#, K-55 casing liner, 2502' set 2540-5042'. Float collar set at 5024'. Cemented with 440 cu. ft. cement. WOC 18 hours.

2/24/78: PBTD 5024'. Tested casing to 3500#, OK. Perfed C.H. Men. 3939, 4019, 4040, 4050, 4059, 4068, 4088, 4094, 4100, 4134, 4141, 4148, 4236, 4256, 4299, 4308, 4425, 4454, 4520, 4528, 4536' w/1 SPZ.

(OVER)

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

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

SIGNED A. D. Dices TITLE Drilling Clerk DATE 2/28/78

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1975 O - 214-140

Fraced with 71,000# 20/40 sand and 71,000 gallons
water. Flushed with 5700 gallons water. Perfed
P.L. 4617,4623,4629,4636,4641,4646,4666,4679,4684,
4689,4705,4719,4733,4763,4868,4885,4949,4966,
4992,5017' w/1 SPZ. Fraced with 59,000# 20/40
sand and 60,500 gallons water. Flushed with 6000
gal. water.



LTR



Job separation sheet

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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 9, 1978

Operator El Paso Natural Gas Company		Lease Riddle F #2-A	
Location SE 8-28-08		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4 1/2	Set At: Feet 5042'	Tubing: Diameter 2 3/8	Set At: Feet 4986'
Pay Zone: From 3939	To 5017	Total Depth: 5042	Shut In 2-28-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 846	+ 12 = PSIA 858	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 465	+ 12 = PSIA 477	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		F _{pv} (From Tables)	Gravity F _g =	

CHOKE VOLUME = Q = C x P_f x F_t x F_g x F_{pv}

Q = _____ MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

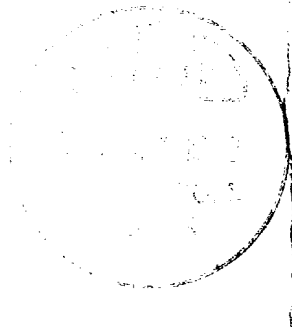
Aof = $\left(\frac{\quad}{\quad} \right)^n =$

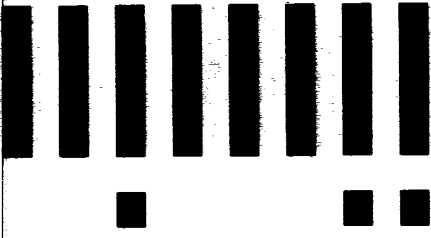
Aof = _____ MCF/D

TESTED BY J. Easley

WITNESSED BY _____

C.R. Hogan
Well Test Engineer

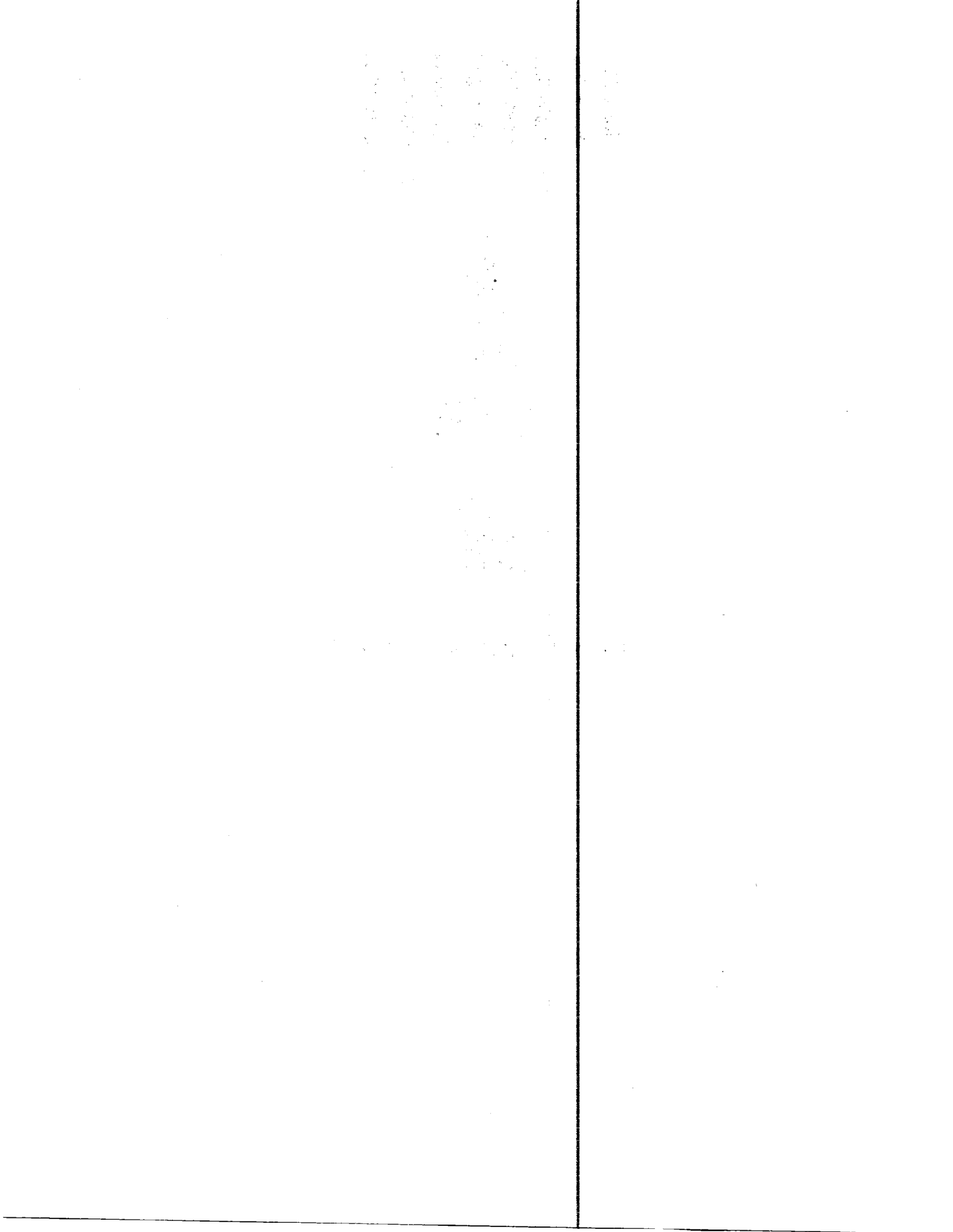




LTR



Job separation sheet



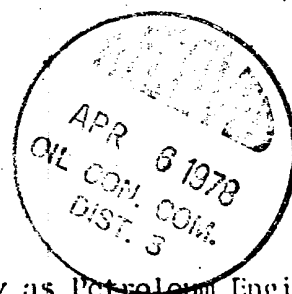
Name Of Company EL PASO NATURAL GAS CO.		Address BOX 990, FARMINGTON, NEW MEXICO			
Lease RIDDLE F	Well No. 2A	Unit Letter J	Section 8	Township 28-N	Range 8-W
Pool BLANCO MESA VERDE				County SAN JUAN	

DEPTH

240'
490'
813'
1342'
1864'
2453'
2680'
3190'
3690'
4190'
5042'

DEVIATION

3/4°
1/2°
1/2°
3/4°
3/4°
1°
1°
3/4°
1°
1 1/4°
1 1/2°



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.

W. H. Lawson

Subscribed and sworn to before me this 29th day of March, 1978

Dora G. Buices

Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1980