

Form 9-381b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Jicarilla Apache

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. Cont. No. 41

Jicarilla

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	☒	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED MAY 9 1960 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
NOTICE OF INTENTION TO CHANGE PLANS	☐	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	☐	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	☐	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	☐	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	☐	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	☐		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 5, 1960

Well No. 7-D is located 1650 ft. from S line and 090 ft. from E line of sec. 32

SE/4 Sec. 32 25N 4W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
South Blanco F. C. Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6811 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

It is intended to drill a well thru the Pictured Cliffs formation using rotary tools and to perforate and water fracture possible producing zones. Est. T. D. 3040'.

Casing Program:

8 5/8" at 120' with 100 sacks regular cement circulated to surface.
5 1/2" at 3040' with 30 sacks regular cement, 30 sacks ~~drill~~

The SE/4 of Section 32 is dedicated to this well.

SE/4: Jicarilla Apache No. 41.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations ~~may~~ be commenced.

Company El Paso Natural Gas Company

Address Box 997
Farmington, New Mexico

By ORIGINAL SIGNED A. M. SMITH

Title Petroleum Engineer

P
L

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

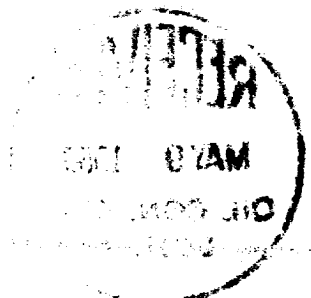
100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000



NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Average Depth Data File

Section A.

APRIL 29, 1960

Operator **EL PASO NATURAL GAS COMPANY** Locality **JICARILLA** **JICARILLA APACHE No. 41**
Well No. **7-D** Unit Letter **I** Section **32** Township **25-N** Range **4-W** N.M.M.
Location **1650** Feet From **SOUTH** Line **990** Quarter Section **EAST**
County **RIO ARriba** G. L. Elevation **6801** Township **25-N** Range **4-W**
Name of Producing Formation **PICTURED CLIFFS** District **SOUTH BLANCO PICTURED CLIFFS**

1. Is the Operator the only owner in the delineated acreage outlined on the plat to be a?
Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been ascertained by agreement or otherwise? Yes ☐ No ☐ If answer is "yes", type the certification.
3. If the answer to question two is "no", list all the owners and their respective interests.
Owner _____ Land _____



Section B.

Note: All distances must be from center of well to corner of section.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Operator
ORIGINAL SIGNED A.M. SMITH
Representative

Address

SECTION 32

JICARILLA APACHE 41

990'

1650'

Scale: 1 inch equals 1 mile

This is to certify that the information was prepared from a true and correct survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed **APRIL 25, 1960**

Farmington, New Mexico

David C. Kilmer
Registered Professional Engineer and/or Land Surveyor

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE July 26, 1960

Operator El Paso Natural Gas Company		Lease Jicarilla No. 7-D	
Location 1650S, 990E; 32-25N-4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Well South Blanco PC	
Casing Diameter 2-1/2" Nom.	Set At: Feet 3055	Tubing Diameter No Tubing	Set At: Feet -
Pay Zone, Feet 2960	To 3010	Total Depth: -	Shut-In 7/17/60
Stimulation Method Sand Water Frac.		Flow Through Casing c/o 3040	

Choke Size, Inches .75		Choke Constant, C 12.365		"Slim Hole"	
Shut-In Pressure, PSIG 940	PSIG 12 PSIA 952	Days Shut-In 9	Shut-In Pressure, Tubing -	PSIG 12 PSIA -	
Flowing Pressure, P 72	PSIG 12 PSIA 84		Working Pressure, Pw Calc.	PSIG 12 PSIA 105	
Temperature, T 62			Flow From Tables 1.011	Flow .718	Fg= .9161
Ft= .9981		.85			

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{ov}$

$$Q = 12.365 \times 84 \times .9981 \times .9161 \times 1.011$$

960 MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_1 P_2} \right)^n$

$$\left(\frac{906304}{895279} \right)^n$$

$$1.0123^{.85} \times 960 = 1.0104 \times 960$$

970 MCF/D



J. B. Goodwin

Witnessed by

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway

STATE OF NEW MEXICO		
OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
NUMBER OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
PRODUCTION OFFICE		
OPERATOR		