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OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
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September 7, 1955

APPLICATION FOR NON-STANDARD GAS PRORATION UNIT
The Texas Company's V. M. Henderson Well No. 4, Arrow Gas Pool, Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. W. B. Macey

Gentlemen:

By this letter of application, The Texas Company wishes to form a 314-acre non-standard proration unit in the Arrow Gas Pool. This application is made under Rule 5 (b) of Order R-520.

In support of the above application the following data are furnished:

1. The Texas Company completed their V. M. Henderson Well No. 4 on August 22, 1955. This well is located 660 feet from the north line and 1980 feet from the west line of Section 30, T-21-S, R-37-E, and was completed open hole in the Queen formation from 3480 feet to 3675 feet. The initial production test was performed on August 26, 1955, and the well flowed at a rate of 2,303,000 cubic feet of gas per day on a 32/64-inch choke. The test period was for eight hours and during this period the casing pressure was 700-600 psi and the tubing pressure was 600-550 psi. The attached gas well plat, Exhibit A, shows the location of the subject well and the proposed 314-acre non-standard proration unit. The proposed non-standard proration unit consists of the N/2 of Section 30, T-21-S, R-37-E. There are no other gas wells in this section.

NEW MEXICO

OIL CONSERVATION COMMISSION

Gas Well Plat

Date September 7, 1955

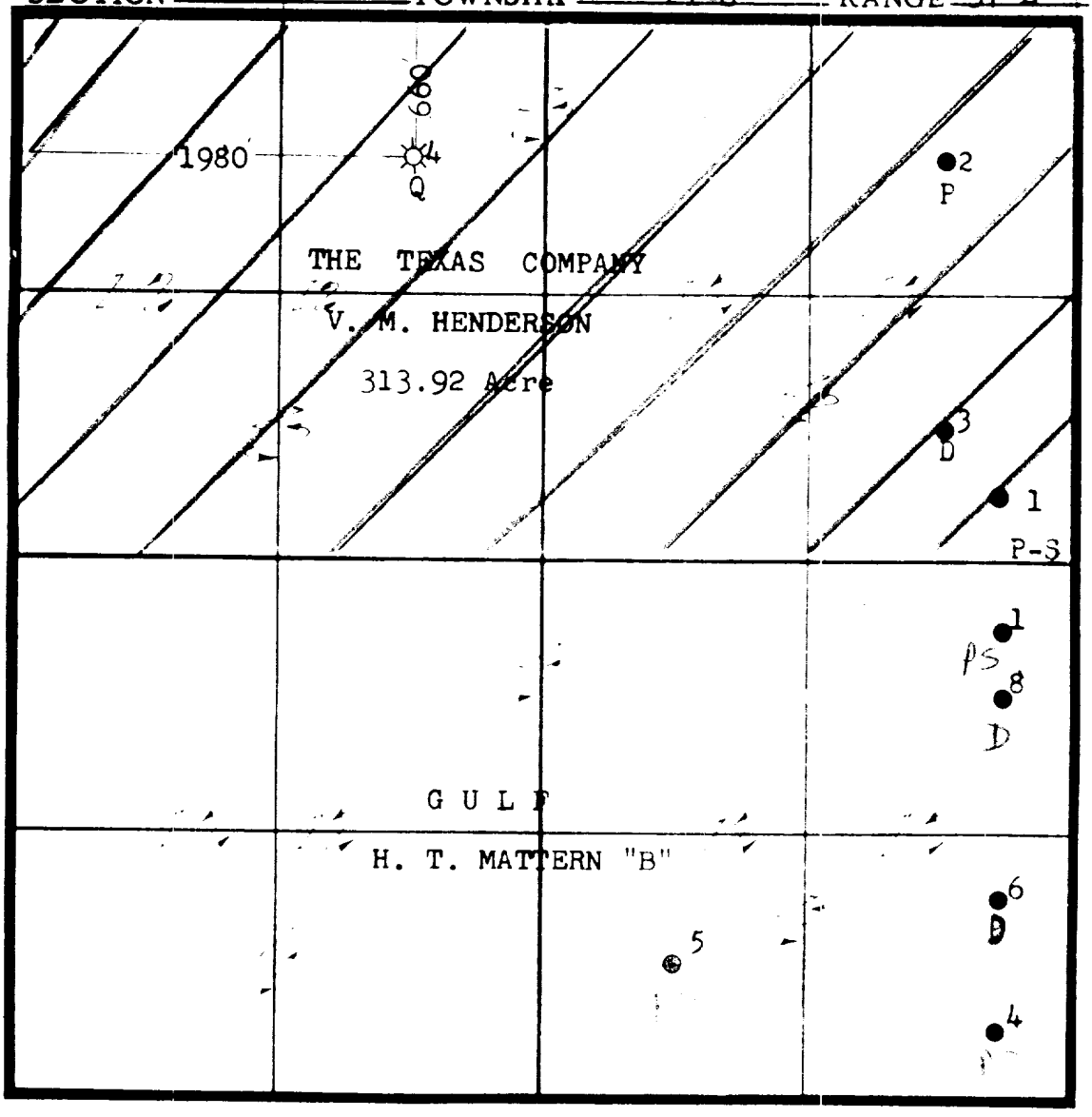
The Texas Company	V. M. Henderson	4
Operator	Lease	Well No.

Name of Producing Formation Queen Pool Arrow Gas

P = Paddock
D = Drinkard
P-S = Penrose-Skelly

No. Acres Dedicated to the Well 314

SECTION 30 TOWNSHIP 21-S RANGE 37-E



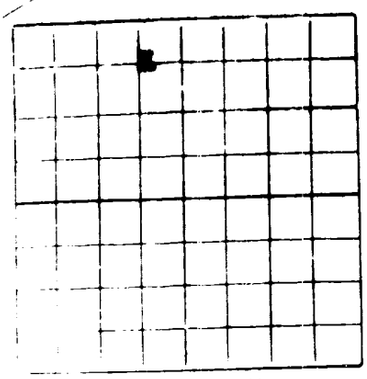
I hereby certify that the information given above is true and complete to the best of my knowledge.

1. Is this gas well a dual completion?
   Yes_____ No X
2. If the answer to Question 1 is Yes, are there any other dually completed wells within the dedicated acreage?
   Yes_____ No_____

Name _____
Position Division Civil Engineer
Representing The Texas Company
Address P. O. Box 1720, Fort Worth, Texas

(over)

Revised 7/1/52
(Form C-105)



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

[illegible] (Company or Operator) [illegible] (Lease)

Well No. 4, in NE ¼ of SE ¼, of Sec. 32, T. 16, R. 37, NMPM.

[illegible] Pool, [illegible] County.

Well is 660 feet from North line and 1980 feet from East line of Section 32. If State Land the Oil and Gas Lease No. is —

Drilling Commenced 8-[illegible], 19 55 Drilling was Completed 8-22, 19 55

Name of Drilling Contractor [illegible]

Address [illegible]

Elevation above sea level at Top of Tubing Head [illegible] The information given is to be kept confidential until [illegible], 19.....

OIL SANDS OR ZONES

No. 1, from [illegible] to 3475 (gas) No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

[illegible] reports. No [illegible]

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
[illegible]	[illegible]	New	[illegible]	[illegible]			
[illegible]	[illegible]	New	[illegible]	[illegible]			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	5 1/2"	[illegible]	400	[illegible]		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Well was drilled to total depth of 3475' after 5½" casing was set at 3460'. Perforated open hole from 3460'-3575' with 500 gals of acid on 8-21-55. Reversed out acid and fractured open hole from 3460'-3575' with 10,000 gal. gel lease oil with 1 lb of sand per gallon. Completed 2 PM 8-21-55.

Flowed 767,000 cu ft of gas in 4 hrs on 32/64" choke.

Result of Production Stimulation .....

Depth Cleaned Out .....

RMC-C(6) Chm(1) File(1) File

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 3675' feet, and from .... feet to .... feet.

Cable tools were used from .... feet to .... feet, and from .... feet to .... feet.

PRODUCTION

Put to Producing: Awaiting connection by [illegible] Pipe Line Company. , 19

OIL WELL: The production during the first 24 hours was .... barrels of liquid of which .... % was oil; .... % was emulsion; .... % water; and .... % was sediment. A.P.I. Gravity........

GAS WELL: The production during the first 24 hours was 2,[illegible] M.C.F. plus no barrels of liquid Hydrocarbon. Shut in Pressure 1190 lbs.

Length of Time Shut in........

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Southeastern New Mexico (cont.)		Northwestern New Mexico	
T. Anhy	1200'	T. Devonian		T. Ojo Alamo	
T. Salt	1329'	T. Silurian		T. Kirtland-Fruitland	
B. Salt	2490'	T. Montoya		T. Farmington	
T. Yates		T. Simpson		T. Pictured Cliffs	
T. 7 Rivers		T. McKee		T. Menefee	
T. Queen		T. Ellenburger		T. Point Lookout	
T. Grayburg		T. Gr. Wash		T. Mancos	
T. San Andres		T. Granite		T. Dakota	
T. Glorieta		T.		T. Morrison	
T. Drinkard		T.		T. Penn	
T. Tubbs		T.		T.	
T. Abo		T.		T.	
T. Penn		T.		T.	
T. Miss		T.		T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	[illegible]	[illegible]	Red Beds				Deviation Record
[illegible]	[illegible]	[illegible]	Anhydrite				456' - [illegible] 3575'-1°
[illegible]	[illegible]	[illegible]	Red Rock				739' - [illegible]°
[illegible]	[illegible]	[illegible]	Anhydrite				[illegible]95' - [illegible]°
[illegible]	[illegible]	[illegible]	Salt				1190' - 0°
[illegible]	[illegible]	[illegible]	Anhy. & Salt				1510' - [illegible]/4°
[illegible]	[illegible]	[illegible]	Anhy & Gyp				1690' - [illegible]/4°
[illegible]	[illegible]	[illegible]	Anhy & Salt				1800' - 1°
[illegible]	[illegible]	95	Anhy & Lime				1895' - 3/4°
[illegible]	[illegible]	[illegible]	Anhy.				1952' - 1°
[illegible]	[illegible]	[illegible]	Anhy & Lime				2142' - 1°
[illegible]	[illegible]	[illegible]	Anhy & Gyp				2290' - 1 3/4°
[illegible]	[illegible]	45	Lime				2380' - 1 3/4°
[illegible]	[illegible]	[illegible]	Anhy. & Lime				2430' - 1 3/4°
[illegible]	3675	[illegible]	Lime				2480' - 1 [illegible]/4°
	3675		Total depth				2515' - 1°
							2615' - 1°
							2710' - 1°
							2805' - 1°
							2960' - 3/4°
							3150' - 3/4°
							3280' - 1°

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

September 7, 1955

Company or Operator: The Texas Company

Address: P. O. Box 1270, Midland, Texas

Name: [signature]

Position or Title: Asst. Dist. Superintendent