

cc. *oe. Habs*  
*9/14/55*

# THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



PRODUCING DEPARTMENT  
WEST TEXAS DIVISION

September 7, 1955

*NSP-192*  
*due 10/1/55*

P. O. BOX 1720  
FORT WORTH 1, TEXAS

## 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.

2. The proposed non-standard gas proration unit will consist of eight contiguous quarter-quarter sections or two contiguous quarter sections.
3. The proposed non-standard gas proration unit will be wholly within a single governmental section.
4. The entire proposed non-standard gas proration unit may reasonably be presumed to be productive of gas.
5. The length or width of the proposed non-standard gas proration unit does not exceed 5280 feet.
6. A request is also made to extend the field limits of the Arrow Gas Pool to include at least the N/2 of Section 30, T-21-S, R-37-E. Form C-123 and Form C-105 are attached to this letter.
7. By copy of this letter of application all off-set operators owning interest in the section in which the proposed non-standard gas proration unit is situated and which acreage is not included in said non-standard gas proration unit, and all operators owning interest within 1500 feet of the well have been notified by registered mail of this application. The off-set operators, Gulf Oil Corporation, Stanolind Oil and Gas Company, and J. W. Peery are requested to send one executed copy of the waiver to you and return one copy for file to The Texas Company.

Yours very truly,

THE TEXAS COMPANY  
PRODUCING DEPARTMENT

*W. L. Hahn*

W. L. Hahn  
Petroleum Engineer

WLH-MFT

cc-Mr. Don Walker  
Gulf Oil Corporation  
Box 1290  
Fort Worth, Texas

Mr. J. W. Peery  
Box 655  
Odessa, Texas

Stanolind Oil & Gas  
Box 1410  
Oil & Gas Bldg.  
Fort Worth, Texas

NEW MEXICO  
OIL CONSERVATION COMMISSION

Gas Well Plat

Date September 7, 1955

The Texas Company  
Operator

V. M. Henderson  
Lease

4  
Well No.

Name of Producing Formation Queen

Pool Arrow Gas

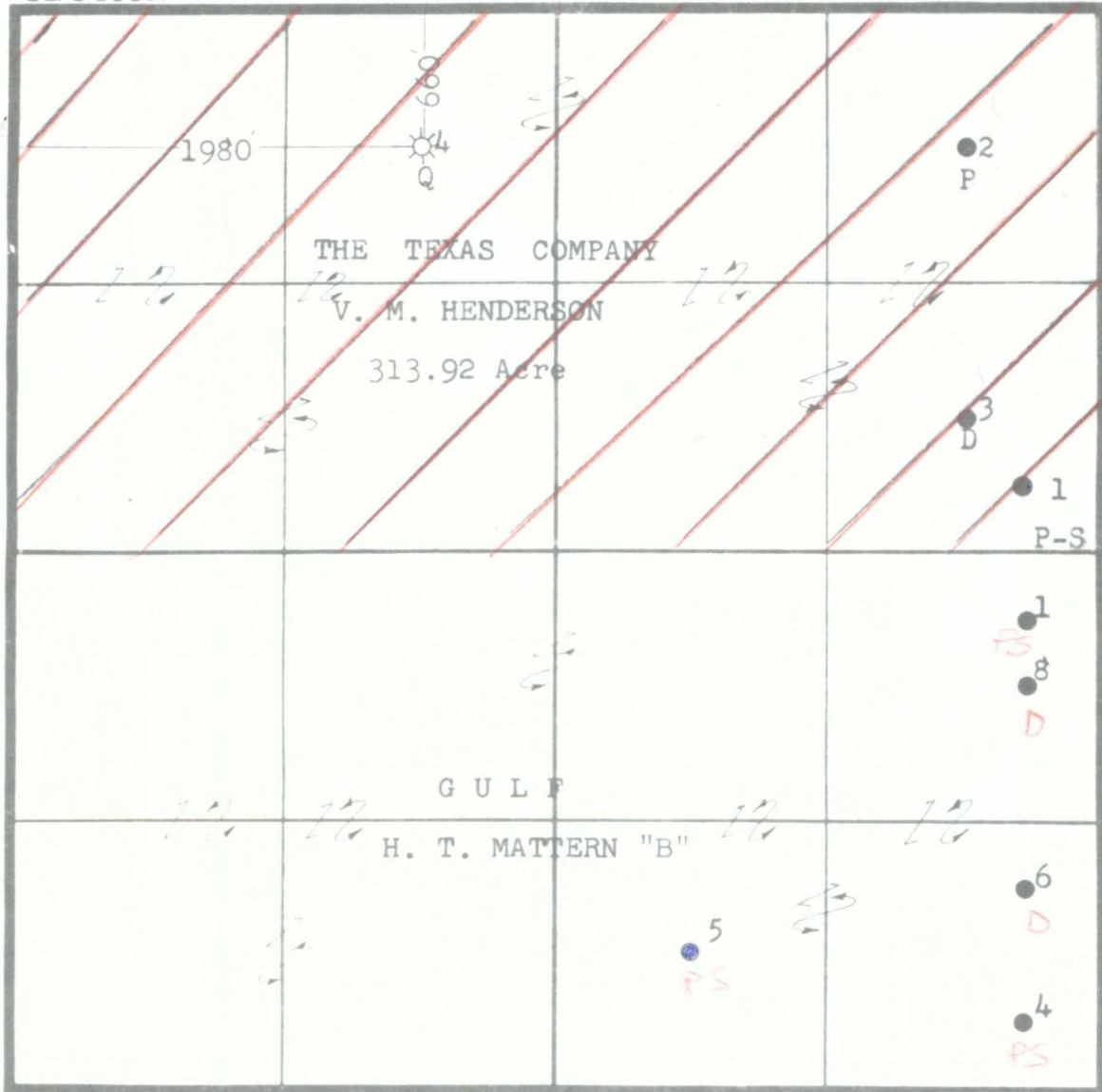
P = Paddock

D = Drinkard

P-S = Penrose-Skelly

No. Acres Dedicated to the Well 314

*Gulf* SECTION 30 *Standard* TOWNSHIP 21-S *JW Perry* 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 J. J. Veltman  
Position Division Civil Engineer  
Representing The Texas Company  
Address P. O. Box 1720, Fort Worth, Texas

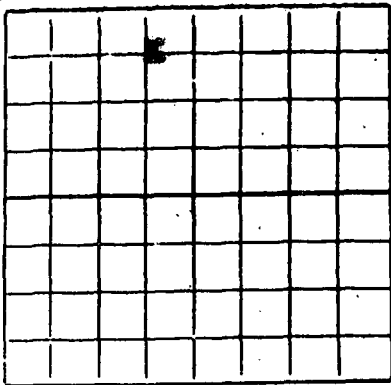
(over)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

SEP 8 1955



AREA 640 ACRES  
LOCATE WELL CORRECTLY

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 QUINTUPPLICATE. If State Land submit 6 Copies

The Texas Company (Company or Operator) V. L. S. (Lease)  
Well No. 8, in 10 1/4 of 10 1/4, of Sec. 10, T. 21-N, R. 17-W, NMPM.  
Pool, 100 County.  
Well is 100 feet from North line and 1980 feet from East line  
of Section 10. If State Land the Oil and Gas Lease No. is 1000  
Drilling Commenced 8-5, 1955 Drilling was Completed 8-22, 1955  
Name of Drilling Contractor: Main Mining Company  
Address: 100 1000, New Mexico  
Elevation above sea level at Top of Tubing Head: 3000' ± 1' The information given is to be kept confidential until 1955

OIL SANDS OR ZONES

No. 1, from 3600 to 3375 (sand) No. 4, from to  
No. 2, from to No. 5, from to  
No. 3, from to No. 6, from to

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
8 1/2"	14	NEW	1225	Roller			
6 1/2"	14	NEW	3675	Roller			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4"	8 5/8"	1212'	900	Roller		
7 7/8"	5 1/2"	1120'	100	Roller		

RECORD OF PRODUCTION AND STIMULATION

Well was drilled to a total depth of 3675' after 59' casing was set at 3400'. Cemented open hole from 3400'-3675' with 500 bags of cement on 8-21-55. Recovered out well and fractured open hole from 3400'-3675' with 10,000 gal. gel foam oil with 1 lb of cement per gallon. Completed 3 PM 8-21-55. Flowed 707,000 cu ft of gas in 8 hrs on 32/64" choke. Result of Production Stimulation.

Depth Cleaned Out

MMCC(5) COW(2) THT(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 Fortson Pipe Line Company.

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 2,000 M.C.F. plus 100 barrels of liquid Hydrocarbon. Shut in Pressure 1100 lbs.

Length of Time Shut in.

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

Southeastern New Mexico		Northwestern New Mexico
T. Anhy 1200'	T. Devonian	T. Ojo Alamo
T. Salt 1325'	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	845	845	Red bed				
845	901	56	Anhydrite				
901	1180	279	Red bed				
1180	1275	95	Anhydrite				
1275	1578	303	Salt				
1578	2230	652	Salty. & Salt				
2230	2515	285	Salty & Gyp				
2515	2623	108	Salty & Salt				
2623	2718	95	Salty & Lime				
2718	2923	205	Salty.				
2923	2993	70	Salty & Lime				
2993	3083	90	Salty & Gyp				
3083	3126	43	Lime				
3126	3311	185	Salty. & Lime				
3311	3675	364	Lime				
	3675		Total depth				

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, 1953

Company or Operator: The Fortson Company  
Name: [Signature]

Address: P.O. Box 1270, Midland, Texas  
Position or Title: Asst. Dist. Superintendent

# STANOLIND OIL AND GAS COMPANY

MAIN OFFICE 050

OIL AND GAS BUILDING

FORT WORTH, TEXAS

RECEIVED SEP 14 1955

NSP-192

September 14, 1955

File: RGH-4468-986.510.1

Subject: Waiver of Objection,  
Application of the Texas Company  
for a Non-Standard Gas Proration  
Unit for their 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

Dear Sir:

The undersigned, being an authorized representative of the offset operator, has been duly informed by The Texas Company of their intention to apply for a 314 acre non-standard proration unit for their V. M. Henderson Well No. 4 in the Arrow Gas Pool, Lea County, New Mexico, and hereby waives all objections to the granting of the permit for this purpose.

This non-standard proration unit is to consist of the N/2 of Section 30, T-21-S, R-37-E. The subject well is located 660 feet from the North line and 1,980 feet from the West line of Section 30, T-21-S, R-37-E.

Yours very truly,

  
ALEX CLARKE, JR.  
Division Engineer

CWN:jm



PETROLEUM AND ITS PRODUCTS

## GULF OIL CORPORATION

P. O. DRAWER 1290 · FORT WORTH 1, TEXAS

September 20, 1955

FORT WORTH  
PRODUCTION DIVISIONNew Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Gentlemen:

This is to advise that Gulf Oil Corporation has been given due notice that The Texas Company has made application for a 314-acre non-standard gas proration unit in the Arrow Gas Pool. We hereby waive notice of hearing and advise that we have no objection to the approval of said unit as described below:

N/2 of Section 30, T-21-S, R-37-E, Lea County,  
New Mexico, the 314 acres of which will be  
assigned to The Texas Company's V. M. Henderson  
Well No. 4, located 660 feet from the north line  
and 1980 feet from the west line of said Section 30.

Executed this 20th day of September, 1955.

Yours very truly,

GULF OIL CORPORATION

By: 

Attorney-in-Fact

SFE OCC GA PLS

RANDALL TO WARREN  
IS HE THERE  
YES

RANDALL TO WARREN

REGARD NSP 192 THE TEXAS CO HENDERSON NO 4  
THE RECOMMENDATIONS IN REGARD TO THIS NSP WILL DEPEND ON THE OUTCOME OF  
CASE 884 REQUIS XXXX REQUEST FOR EXTENSION OF EUMONT AND ABOLISHMENT OF  
OF THE QUEEN FROM THE PENROSE SKELLY FIELD IN THE DESIGNATED AREA  
AND ALSO THE OUTCOME OF CASE 873 REGARDING THE HUNT WEATHERLY LEASES  
THE PENROSE SKELLY WELL ON THE REQUESTED UNIT OF TEXAS CO IS IN A LOWER  
POROUS INTERVAL THAT THE GAS WELL BY A CONSIDERABLE DISTANCE I FEEL THAT  
THEY SHOULD HAVE THE UNIT BUT HOW ARE WE GOING TO HANDLE  
IT ADMINISTRATIVELY  
I NOTICE THAT YOU ARE GOING TO INCLUDE IT ON THE OCT DOCKET  
END OR GA

WARREN TO RANDALL

ON THE TEXAS CO HENDERSON NO 1 IS THAT NOT PRODUCING FROM THE GRAYBURG  
RAHXX RATHER THAN THE QUEEN  
ANS PLS

YES IT APPEARS TO BE GRAYBUR G  
GA

IN THAT CASE WHY COULDN'T THE ENTIRE N/2 OF THE SEC BE DEDICATED TO  
THE WELL GAS WELL NO 4

ORDER R 520 STATES THAT AT NO TIME WILL OIL AND GAS FIELDS OVERLAP  
IN THEIR VERTICAL LIMITS  
GA  
MIN PLS

BILL AND I HAVE TALKED ABOUT THIS AND FEEL THAT FOR THE OCTOBER HEARING  
THAT THE PENROSE SKETLY FIELD WOULD NOT HAVE TO BE DELETED FOR ANY POR  
TION OF THIS LEASE DUE TO THE FACT THAT THE WELL NO 1 IS IN THE GRAY  
BURG AND WELL NO 4 IS IN THE QUEEN AND TO EXTEND THE ARROW POOL TO  
INCLUDE THE N/2 OF SEC 30 ONLY HOWEVER WE WILL LOOK AT ORDER R520  
AND SEE IF THIS IS A CONFLICT AND SO ADVISE YOU  
END OR GA

LOOK AT PARA 11 ON PAGE 2 OF 994\$34 4 ///////////////  
LOOK AT PARA 11 ON PAGE 2 OF ORDER R 529  
END OR GA  
WE WILL CHECK  
END OR GA

ENDT