com to occ-Haltles & REFINING COMPANY HDLAND, TEXAS INUARY 17, 1956 Mary 17, 1957 Mary 17, 1956 Mary 17, 1957 HUMBLE OIL

MAIN OF MIDLAND, TEXAS January 17, 1956

J. W. HOUSE

1976 UNN 11 MI 3:55

Reclassification of <u>Humble's</u> New Re: Mexico State "G" Well No. 4, Sec. 26, T-21-S, R-36-E, Arrow Pool, Lea County, New Mexico

New Mexico Oil Conservation Commission Box 871 Santa Fe, New Mexico

NSP 320Ac NSP 320Ac N/2 Sec. 76 215-365

Gentlemen:

As a result of recent studies performed in conjunction with reconditioning wells in the Arrow Pool, it is apparent that our New Mexico State "G" Well No. 4, located 1980 feet from the North line and 1980 feet from the East line of Section 26, T-21-S, R-36-E, Lea County, New Mexico, should be reclassified from an Arrow Pool oil well to an Arrow Pool gas well. The well is presently carried on the Arrow Pool oil proration schedule with a 4 barrel allowable and a 16,915 - 1 gas-oil ratio.

The Arrow Pool as defined by Order R-520 includes Section 26, T-21-S. R-36-E, and designated the vertical limits to include the Yates. Seven Rivers and Queen formations. Our New Mexico State G-4 produces from the Queen formation through perforations from 3580-3612 feet and 3644-3754 feet.

On a 21-1/2 hour test on January 7, 1956, through an 18/64-inch choke, the Well produced with a gas-oil ratio of 1,011,429 - 1. The Arrow Pool rules state that a gas well will be any well having a gas-oil ratio in excess of 100,000 cubic feet per barrel.

In connection with our request that the well be reclassified as an Arrow Pool gas well, we have attached a gas unit plat dedicating the N/2 of Section 26, T-21-S, R-36-E. We also support our application with the following statements:

- 1. Name of well and location New Mexico State "G" Well No. 4, located 1980 feet from the North line and 1980 feet from the East line of Section 26, T-21-S, R-36-E, Lea County, New Mexico.
- 2. New Mexico State G-4 was completed in the Arrow Pool prior to the effective date of Order R-520.
- 3. The acreage to be dedicated is 320 acres described as the N/2 of Section 26, T-21-S, R-36-E, Lea County, New Mexico.
- 4. The non-standard gas proration unit consists of contiguous quarterquarter sections.

New Mexico Oil Conservation Commission January 17, 1956 Page 2

- 5. The non-standard gas proration unit lies wholly within a single governmental section.
- 6. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.
- 7. All operators owning interests within 1500 feet of the well are being notified by registered mail.
- 8. We have attached a table containing various test data and curves.

We request reclassification of the well and the assignment of the 320 acre non-standard gas proration unit under the rules and regulations for the Arrow Pool as set forth in Order R-520. If you are unable to grant our request by an administrative approval, then we request that you set this up for the first hearing date, either an examiner or regular hearing.

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

Yours very truly,

HUMBLE OIL & REFINING COMPANY

J. W. HOUSE, Division Superintendent

By: A CHenola

H. L. Hensley, Asst. Div. Superintendent

Sworn to and subscribed before me this the 17th day of January, 1956.

Notary Juplic in and for Midland County, Texas

AJT/se Attachment

HUMBLE OIL & REFINING COMPANY

MIDIAND TRXAS Jenuery 17, 1956

... W HOUDE

Gulf 041 Corporation Box 2167 Hobbs, New Mexico

Sinclair Oil & Gae Company Box 1470 Hobbs, New Mexico

Gentlemen:

Please find attached a copy of our application to the New Mexico Gil Conservation Commission for a reclassification of our New Mexico State "G" Well No. 4, located 1980 feet from the North and East lines of Section 26, T-21-S, R-36-E, Lee County, New Mexico, from an oil well in the Arrow Pool to a gas well in the Arrow Pool and the assignment of a 320 acre non-standard gas provation unit.

We have attached four (4) copies of a waiver which we would appreciate your signing. Please retain a copy for your files and return the other three to this office.

Muanking you in advance for your consideration of this matter.

Yours very truly,

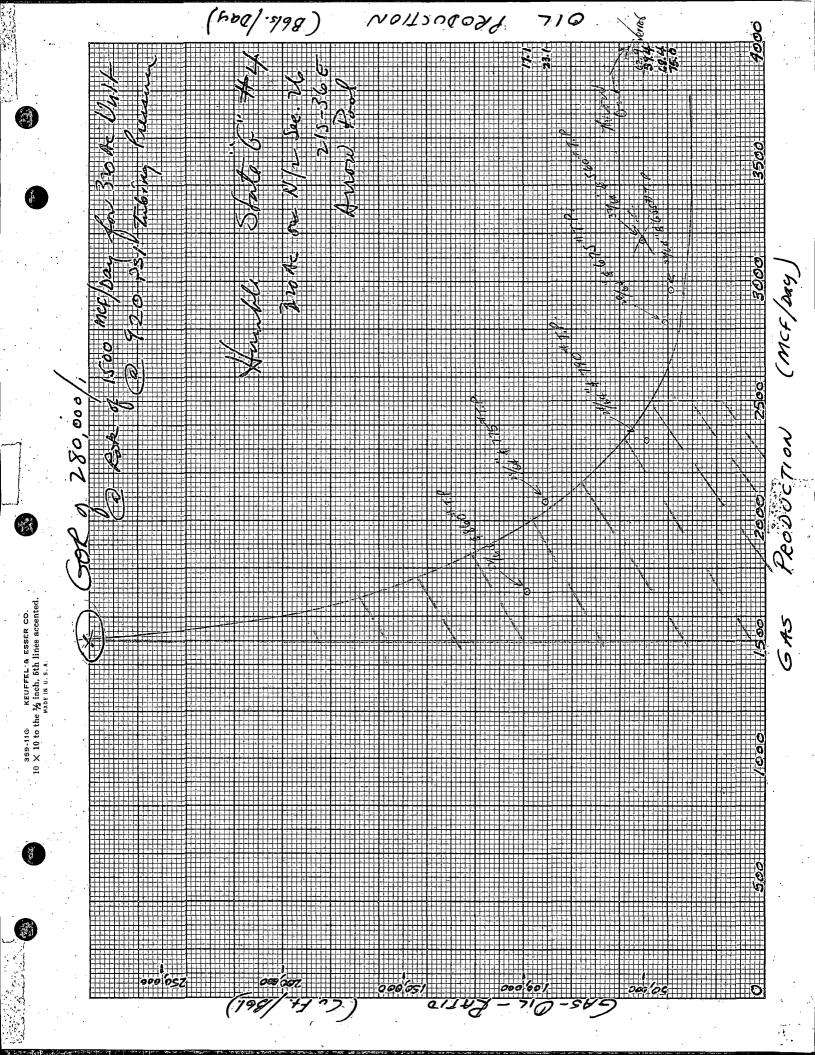
HINDLE OLL & REFINING CONFANY

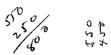
J. W. HOUSE, Divisib. Superintendent

By: AV Potenoley

Asst. Div. Superintendent

AJT/se Attachment





NEW MEXICO STATE "G" #4

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Date	Choke Size	Tbg. Press.	Leng. Test	Oil Prod.	Rate BOPD	Gas MCF/Day	Gas-Oil Ratio
Jan. 5 Jan. 6	32/64 32/64	550 570	24 _7	60.0 21.25	60.0 72.9	3176 <u>3176</u>	52,933 <u>43,566</u>
	32/64	560	31	81.25	62.9	31 7 6	50 , 493
Jan. 10	32/64	655	16	50.01	75.0	2962	39,493 🗸
Jan. 9	28/64	675	6	17.09	68.4	2831	41 , 400 V
Jan. 6 Jan. 7	24/64 24/64	7 7 5 775	17 2.5	15.42 3.33	21.8 32.0	2084 2092	95,596 65,375
	24/64	775	19.5	18 .7 5	23.1	2082	90,130
Jan. 9 Jan. 10	24/64 24/64	790 790	16 <u>1</u>	26.26 <u>1.67</u>	$39.4 \\ 40.1$	2340 2340	59,391 58,354
	24/64	790	17	27.92	39.4	2340	59,391 -
Jan. 10 Jan. 10	22/64 22/64	855 860	1 6	.83 <u>4.17</u>	19.9 <u>16.7</u>	1665 1712	83,668 102,515
	22/64	860	7	5.00	17.1	1700	99 , 415 1
Jan. 7 Jan. 7	18/64 18/64	910 995	5.5 <u>16</u>	<u> </u>	- 1.9	1477 1385	728,947
	18/64		21.5	1.25	1.4	1416	1,011,429 /
Jan. 11 Jan. 11	16/64 16/64	970 970	1 5	0.21	<u> </u>	1106 1064	1,053,465
	16/64	970	6	0.21	0.84	1064	1,266,667

Shut-in Build up pressure 970#, 16/64" choke, after 2 min. 1000#, after 10 min. 1010#, after 90 min. 1030#, after 19 hr. 30 min. 1105#.

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ND. 340R-20 DIETZBEN GRAPH PAPER 20 x 20 PER INCH

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NEW MEXICO

Gas Well Plat

OIL CONSERVATION COMMISSION

		Date	January 16 1936
HUMBLE OIL & REFINING CO.	New Mexico State "G	n	4
Operator	Lease		Well No.
Name of Producing Formation	Queen	Pool	Arrow Gas

No. Acres Dedicated to the Well 320 Ac.

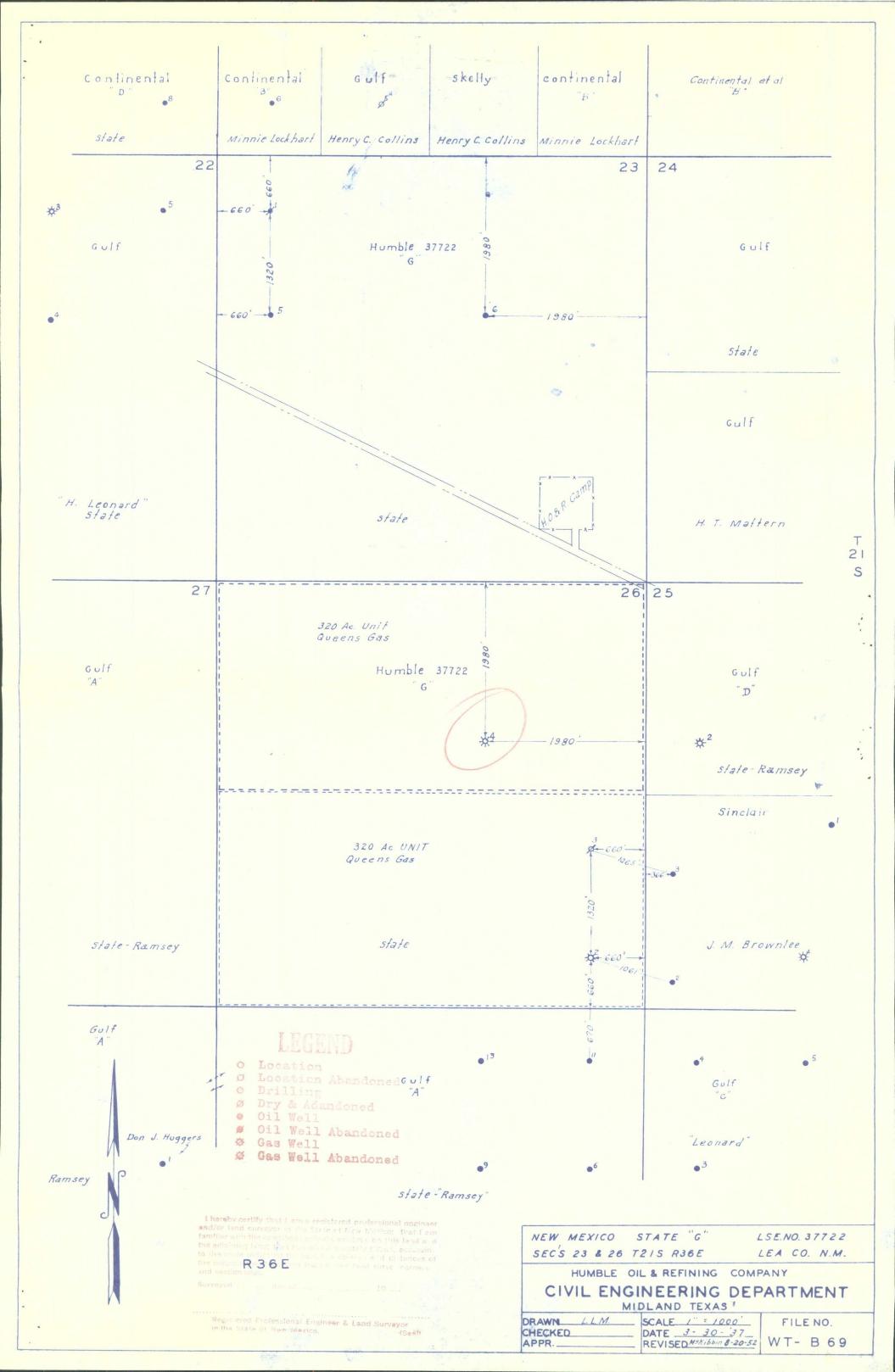
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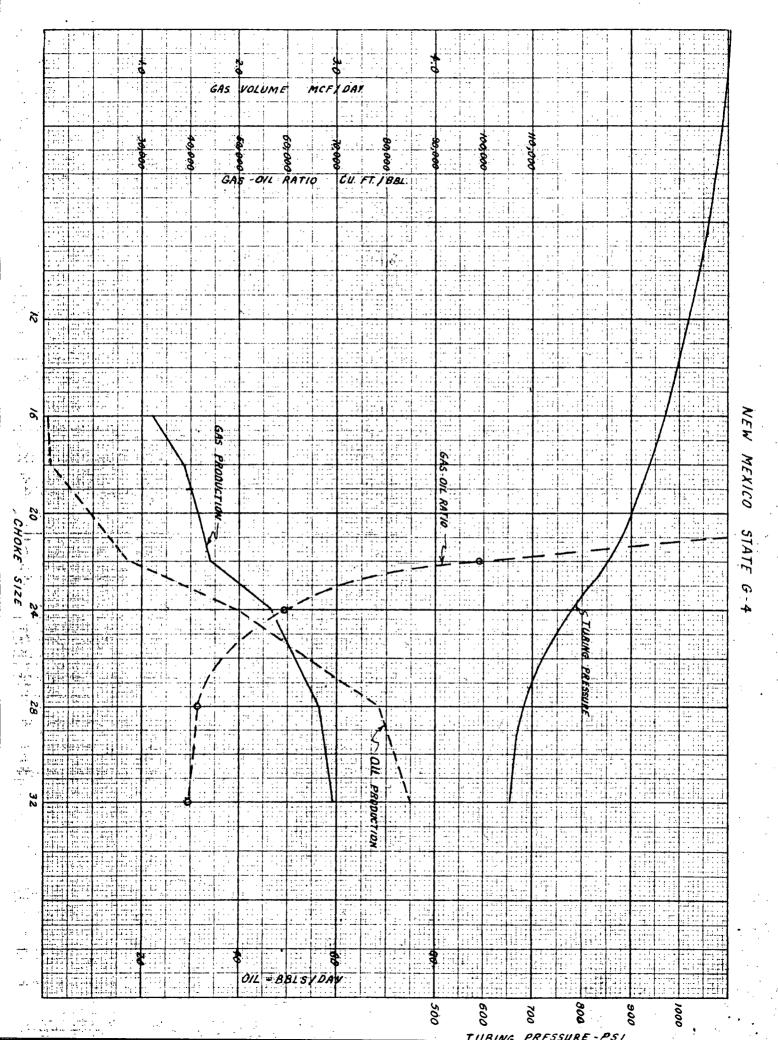
I hereby certify that the information given above is true and complete to the best of my knowledge.

- 1.Is this gas well a dual completion ? Was No
- 2. Are there any other dually completed wells within the dedicated acreage ? Yes No

Name A & Stempler Position Asst. Division Superintendent Representing Humble Oil & Refining Co. Address Midland, Texas

(over)





NO. 340R-20 DIETZGEN GRAPH PAPER 20 X 20 PER INCH

EUGENE DIETZGEN CO.

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AUMBLE OIL & REFINING CO					
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to the best of my knowledge. 1.Is this gas well a dual completion ? Wes <u>No</u>

2. Are there any other dually completed wells within the dedicated acreage ? Yes No

Name NY C	oven	oler
Position Asst.		
Representing	Humble	Oil & Refining Co.
Address A	Nidland,	Texas

(over)

