

JOSEPH I. O'NEILL, JR.
OIL PROPERTIES

410 WEST OHIO
MIDLAND, TEXAS

August 6, 1959

TELEPHONE
MUTUAL 3-2771

Oil Conservation Commission
State Capitol
Santa Fe, New Mexico

Re: Joseph I. O'Neill, Jr. Federal "F" Lease,
Lea County, New Mexico

Gentlemen:

Enclosed you will find the original and two copies of application of Joseph I. O'Neill, Jr. for the establishing of a non-standard gas proration unit consisting of 160 acres comprised of the SW/4 of the SE/4 of Section 29, Township 26 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

Location: 660 feet from the south line and 1980 feet from the east line of Section 29, SW/4 of SE/4, T26S, R37E, Jalmat Field, Lea County, New Mexico.

1. The non-standard gas unit consists of contiguous quarter-quarter section. Our unit will have 160 acres.
2. Our non-standard gas proration unit lies wholly within a single government section.
3. Yes, the entire non-standard gas proration unit may reasonably be presumed to be productive of gas.
4. The length or width of our non-standard gas proration unit does not exceed 5280 feet.
5. We have written waivers to the following:

Grace L. Levers, Levers Oil Co., Box 784, Roswell, N.M.
T. F. Hodge, Box 671, Roswell, N.M.
Cities Service Oil Co., Box 868, Roswell, N.M.
El Paso Natural Gas Co., Wilco Building, Midland, Texas
6. This well was completed on June 14, 1959, with an absolute open flow potential of 2,200 MCF per 24 hours for a gas well.

Very truly yours,

JOSEPH I. O'NEILL, JR.

Roy L. Blanton
Roy L. Blanton

RLB/nb

1959 AUG 10, MON 8:37
MAIN OFFICE-0860

Oil Conservation Commission
State Capitol
Santa Fe, New Mexico

Re: Waiver of Objection to the Establishing of
a Non-Standard Gas Proration Unit Covering
Joseph I. O'Neill, Jr. Federal "F" Lease,
Lea County, New Mexico

Gentlemen:

The undersigned, being an authorized representative
of the offset operator, hereby waive all objection to the applica-
tion of Joseph I. O'Neill, Jr. for the establishing of a non-
standard gas proration unit for their Federal "F" No. 1, located
in the Jalmat Pool, Lea County, New Mexico.

This well is located 660 feet from the south line and
1980 feet from the east line of Section 29, SW/4 of the SE/4,
Township 26 South, Range 37 East, NMPM, Lea County, New
Mexico.

Very truly yours,

EL PASO NATURAL GAS CO.

By -----



Manager, Land Department

Title

January 27, 1959
Date

July 17, 1958

Lovers Oil Company, Box 784, Roswell, New Mexico
T. F. Hodge, Box 671, Roswell, New Mexico
Cities Service Oil Co., Box 868, Roswell, New Mexico
El Paso Natural Gas Co., 19th Flr, Wilco Bldg., Midland, Texas

Re: Waiver of Objection to the Establishing of
A Non-Standard Gas Production Unit Covering
Joseph L. O'Neill, Jr. Federal "F" Lease,
Lea County, New Mexico

Gentlemen:

We are attaching four (4) copies of a waiver in accordance with the rules of the Oil Conservation Commission of the State of New Mexico. This is our request for a waiver from all offset operators regarding the establishing of a non-standard gas production unit for our Federal "F" No. 1, located in the Jalmat Pool, Lea County, New Mexico.

We will appreciate your immediate consideration of our request. If you have no objection, please sign and return three copies of the waiver to this office and retain one copy for your files.

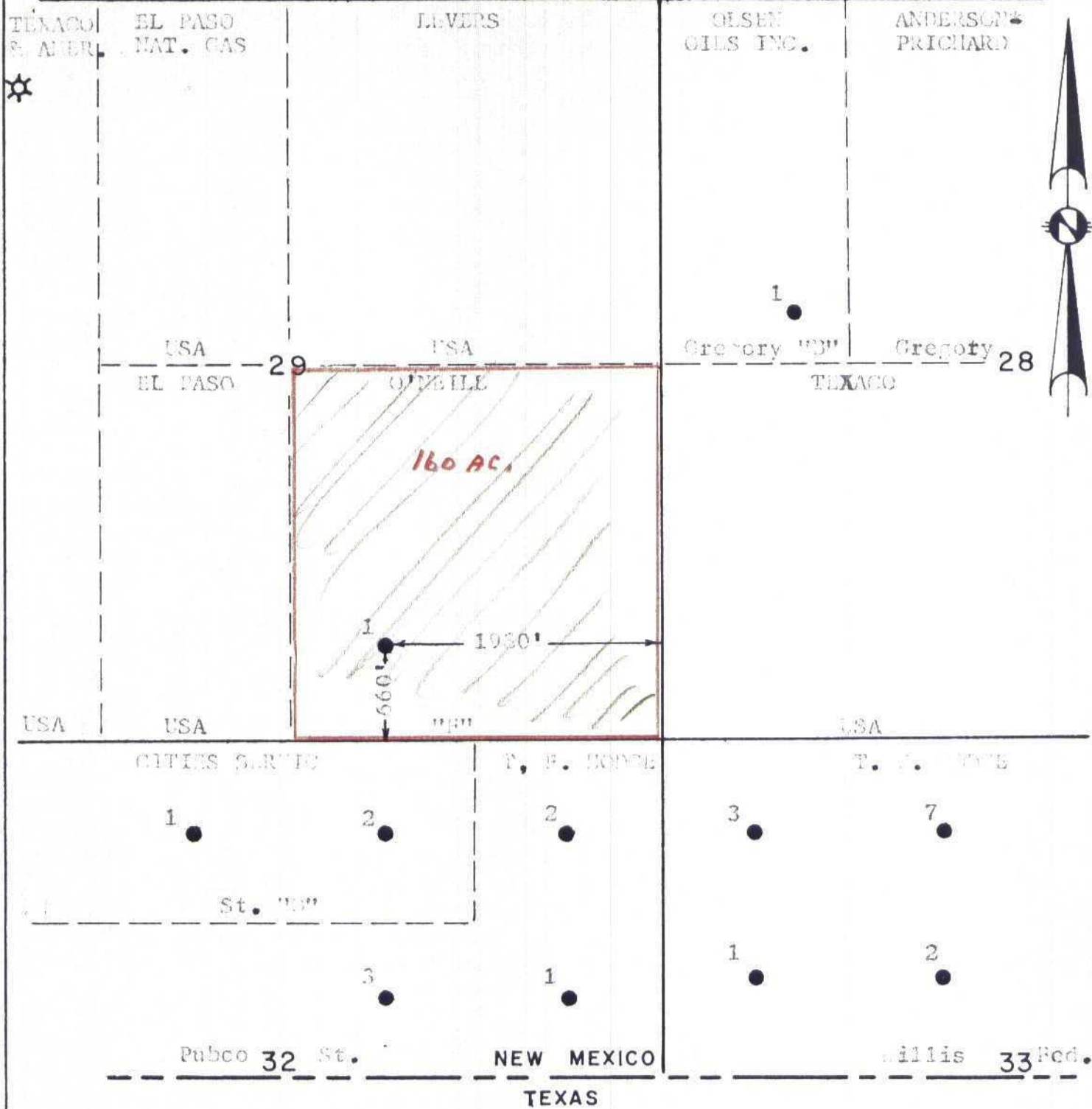
Very truly yours,

JOSEPH L. O'NEILL, JR.

Roy L. Stanton
Production Clerk

RLE/ab

Attachments



LEGEND

- Oil Well
- ☆ Gas Well
- State Lines
- Section Lines
- Lease Lines

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
 JOHN W. WEST, N.M. P.E. & L.S. NO. 676
 TEXAS R.P.S. NO. 1138

JOSEPH I. O'NEILL, JR.

Federal "F" Lease (160 Ac.)
 Located in the SE $\frac{1}{4}$, Section 29, T26S,
 R37E, N34N, Lea County, New Mexico

JOHN W. WEST ENGINEERING COMPANY
 CONSULTING ENGINEERS HOBBS, NEW MEXICO

Scale 1" = 1000' Drawn by F.W.B.
 Date July 7, 1959 Sheet 1 of 1 Sheets

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool JAL MAT Formation YATES County LEA
Initial X Annual _____ Special _____ Date of Test 7-13-59
Company JOSEPH I. O'NEILL, JR. Lease FEDERAL "F" Well No. 1
Unit 0 Sec. 29 Twp. 26-S Rge. 37-E Purchaser _____
Casing 5.5 Wt. 14 I.D. 5.012 Set at 3115 Perf. 3034 To 3044
Tubing 2" Wt. 4.7 I.D. 1.995 Set at 2995 Perf. OPEN END To _____
Gas Pay: From 3034 To 3044 L 3099 xG _____ -GL _____ Bar.Press. 13.2
Producing Thru: Casing _____ Tubing X Type Well SINGLE BRADEN HEAD
Single-Bradenhead-G. G. or G.O. Dual _____
Date of Completion: 6-14-59 Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (PROVER) (ORIFICE) (METER) Type Taps FLANGE

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Orifice) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F.	Press. DMT psig	Temp. °F.	Press. psig	Temp. °F.	
SI	<u>3.068</u>		<u>L-10 CHART</u>			<u>635</u>		<u>635</u>	<u>85</u>	<u>72 HOURS</u>
1.	<u>3.068</u>	<u>1.000</u>	<u>2.0</u>	<u>6.3</u>	<u>91</u>			<u>593</u>	<u>85</u>	<u>1 1/2</u>
2.	<u>3.068</u>	<u>1.000</u>	<u>2.0</u>	<u>6.6</u>	<u>94</u>			<u>585</u>	<u>85</u>	<u>1 1/2</u>
3.	<u>3.068</u>	<u>1.000</u>	<u>2.0</u>	<u>8.7</u>	<u>96</u>			<u>567</u>	<u>85</u>	<u>1 1/2</u>
4.	<u>3.068</u>	<u>1.500</u>	<u>2.0</u>	<u>4.68</u>	<u>96</u>			<u>551</u>	<u>85</u>	<u>1 1/2</u>
5.										

METER (2000F-100") M = 4.4721

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>6.182 (4.4721)</u>	<u>12.6</u>		<u>.9715</u>	<u>1.000</u>	<u>1.000</u>	<u>338.4</u>
2.	<u>6.182 (4.4721)</u>	<u>13.2</u>		<u>.9688</u>	<u>1.000</u>		<u>353.5</u>
3.	<u>6.182 (4.4721)</u>	<u>17.4</u>		<u>.9671</u>	<u>1.000</u>		<u>465.2</u>
4.	<u>14.36 (4.4721)</u>	<u>9.36</u>		<u>.9671</u>	<u>1.000</u>		<u>581.3</u>
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio NONE cf/bbl.
Gravity of Liquid Hydrocarbons NONE deg.
 F_c FW MEASURED (1-e^{-s})
Specific Gravity Separator Gas .600 EST
Specific Gravity Flowing Fluid _____
 P_c 648.2 P_c^2 420.2

No.	P_w P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2$ (1-e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.	<u>606.2</u>					<u>367.5</u>	<u>52.7</u>		
2.	<u>598.2</u>					<u>357.8</u>	<u>62.4</u>		
3.	<u>580.2</u>					<u>336.6</u>	<u>83.6</u>		
4.	<u>564.2</u>					<u>318.3</u>	<u>101.9</u>		
5.									

Absolute Potential: 2,200 MCFPD; n .966

COMPANY JOSEPH I. O'NEILL, JR.ADDRESS 410 W. OHIO, MIDLAND, TEXASAGENT and TITLE Harry E. LegendreWITNESSED JACK E. BRISCOECOMPANY APEX ENGINEERING COMPANY

REMARKS

THIS WELL PRODUCES CONSIDERABLE AMOUNT OF SAND ON LARGE RATES, THEREFORE, THIS WELL WAS TESTED AT ABOVE INDICATED RATES TO LIMIT IT TO AS SMALL AMOUNT AS POSSIBLE.

OPERATOR JOSEPH I O'NEILL, JR.

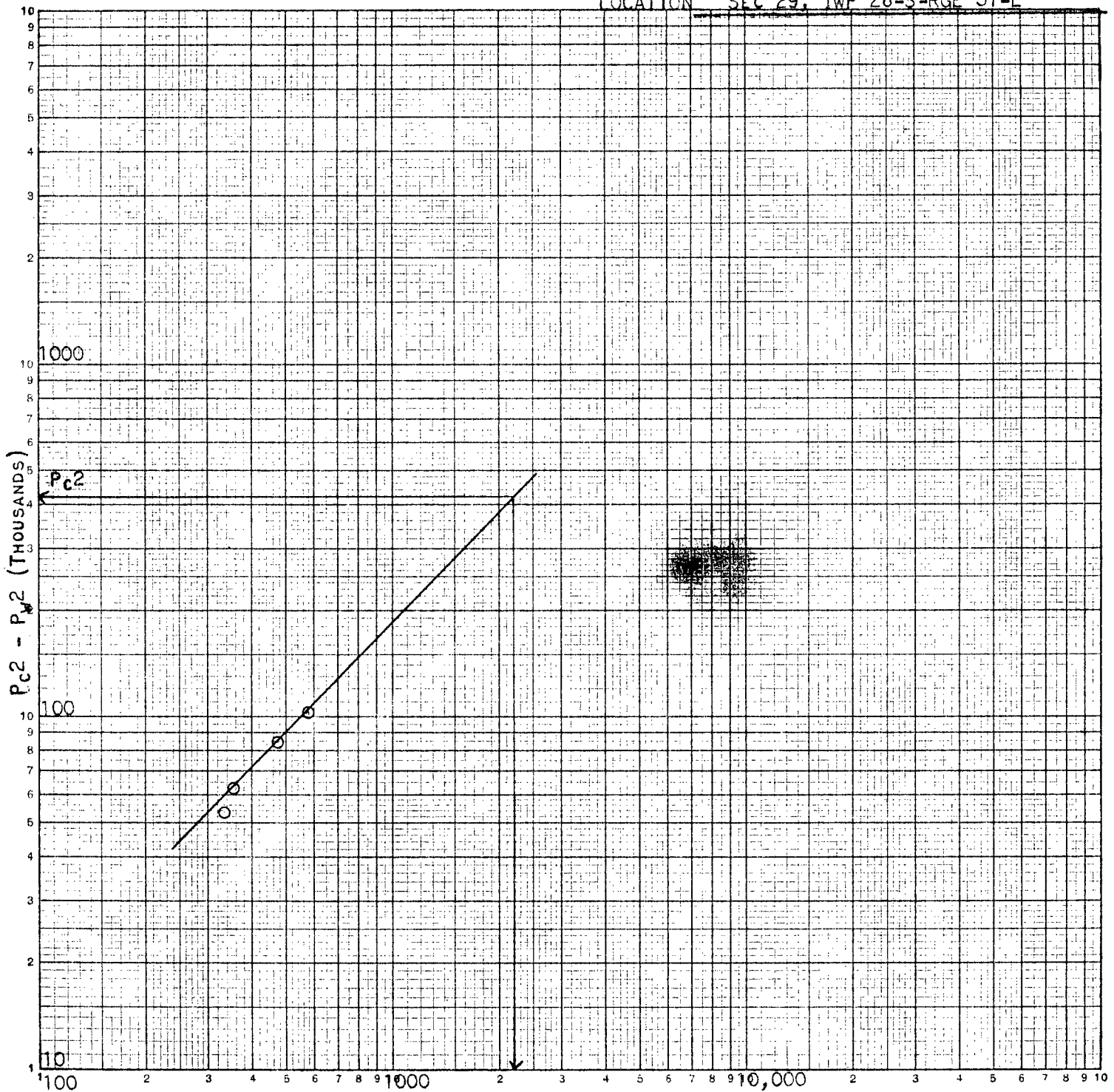
WELL FEDERAL "F" #1

COUNTY LEA - NEW MEXICO

DATE JULY 13, 1959

LOCATION SEC 29, TWP 26-S-RGE 37-E

K&E LOGARITHMIC 359-120
KEUFFEL & ESSER CO. MADE IN U.S.A.
3 X 3 CYCLES



- Q IN MCF/DAY = 2,200