

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

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OCT 13 1971

AFFIDAVIT OF RESPONSIBILITY
CONVERSION TO WATER-WELL

OIL CONSERVATION COMM.
SANTA FE

STATE OF New Mexico) ss.
County of McKinley)

Alan G. Pasternak, being first duly sworn according to law, upon his oath deposes and says:

1. That he is Secretary of Shar-Alan Oil Corporation
(Title) (Operator)
whose address is 4401 East Louisiana Ave, Denver, Colorado 80222.

2. That Shar-Alan Oil Corp. is the operator of a well drilled on land be-
(Operator)
longing to Fernandez Company, whose address is San Mateo, New Mexico
(Landowner)
, said well being drilled to test for hydrocarbons and/or
carbon dioxide gas and described as the Fernandez No. 7, being located 1900
feet from the North line and 2165 feet from the East line of Section 1,
Township 15 North, Range 8 West, NMPM, McKinley
County, New Mexico.

3. That said well was drilled to a total depth of 2752 feet, and that cas-
ing has been set and cemented as follows:

Surface - 7-5/8" 157 34' com. w/95x common

4. That operator and landowner have made an agreement whereby operator
(is) (~~is not~~) to back fill pits, level location, and clear it of all junk. The agreement
further provides that operator is to plug said well back to a plugged-back total depth of
1120 feet and transfer well to landowner for his use as a water-well. Operator will
leave casing in the well as follows:

Same as NO. 3

5. That when operator has complied with the provisions of Paragraph 4 above
it will so notify the Oil Conservation Commission of the State of New Mexico, on Com-
mission Form C-103, together with a signed statement from the landowner that the
provisions of Paragraph 4 above have been complied with to his satisfaction.

Shar-Alan Oil Corporation
(Operator)

By Alan G. Pasternak
Subscribed and sworn to before me this 4 day of October, A. D. 19 71.

Henry J. Sumner
Notary Public in and for the County of Denver

STATE OF New Mexico) ss.
County of Valencia)

Alan G. Pasternak, being first duly sworn according to law, upon
his oath deposes and says that when the provisions of Paragraphs 4 and 5 above have been
complied with, he will accept the above-described well for his use as a water-well, and
that he will assume all responsibility for the well, the location, and the conversion of the
well to a water-well.

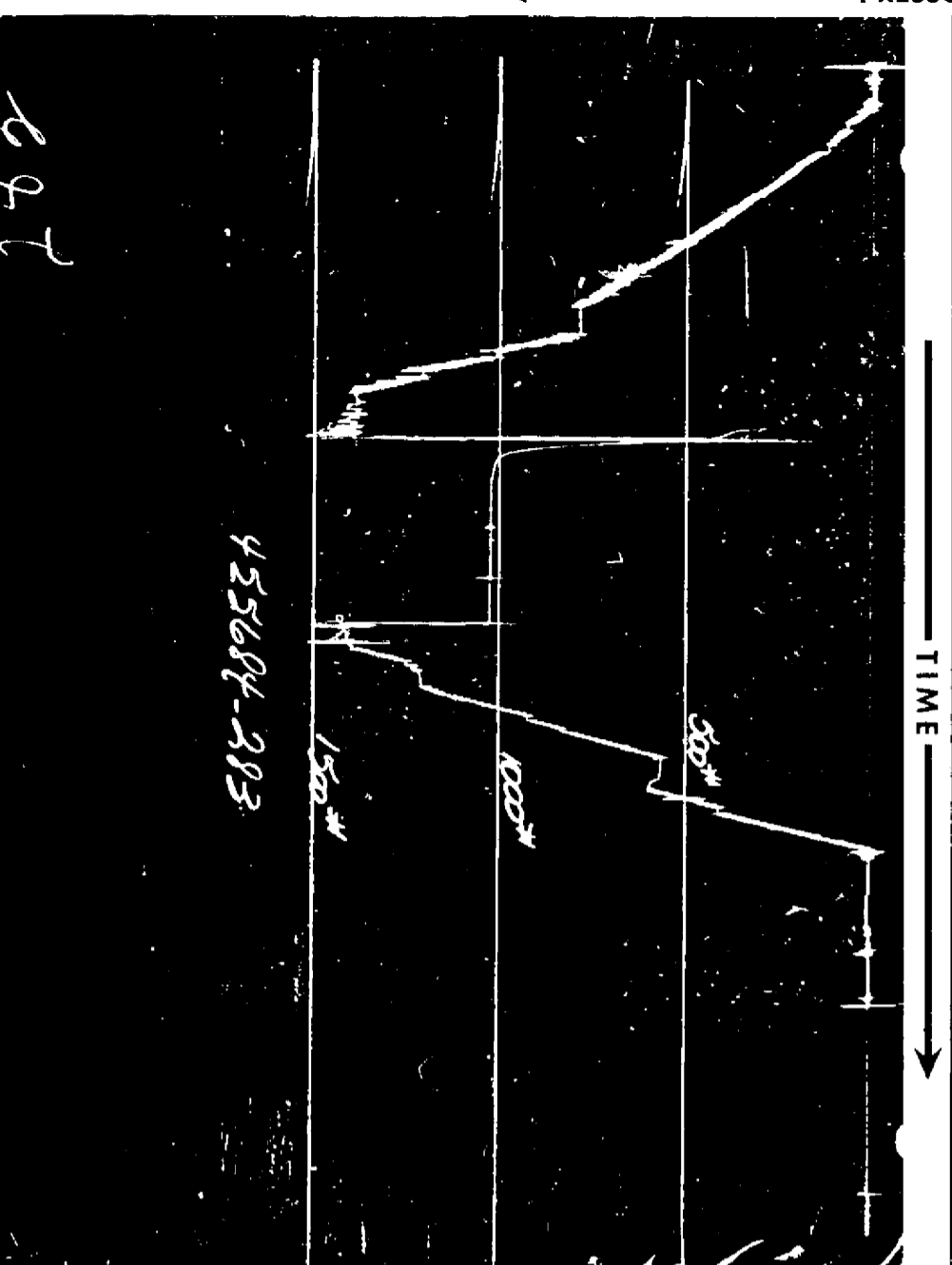
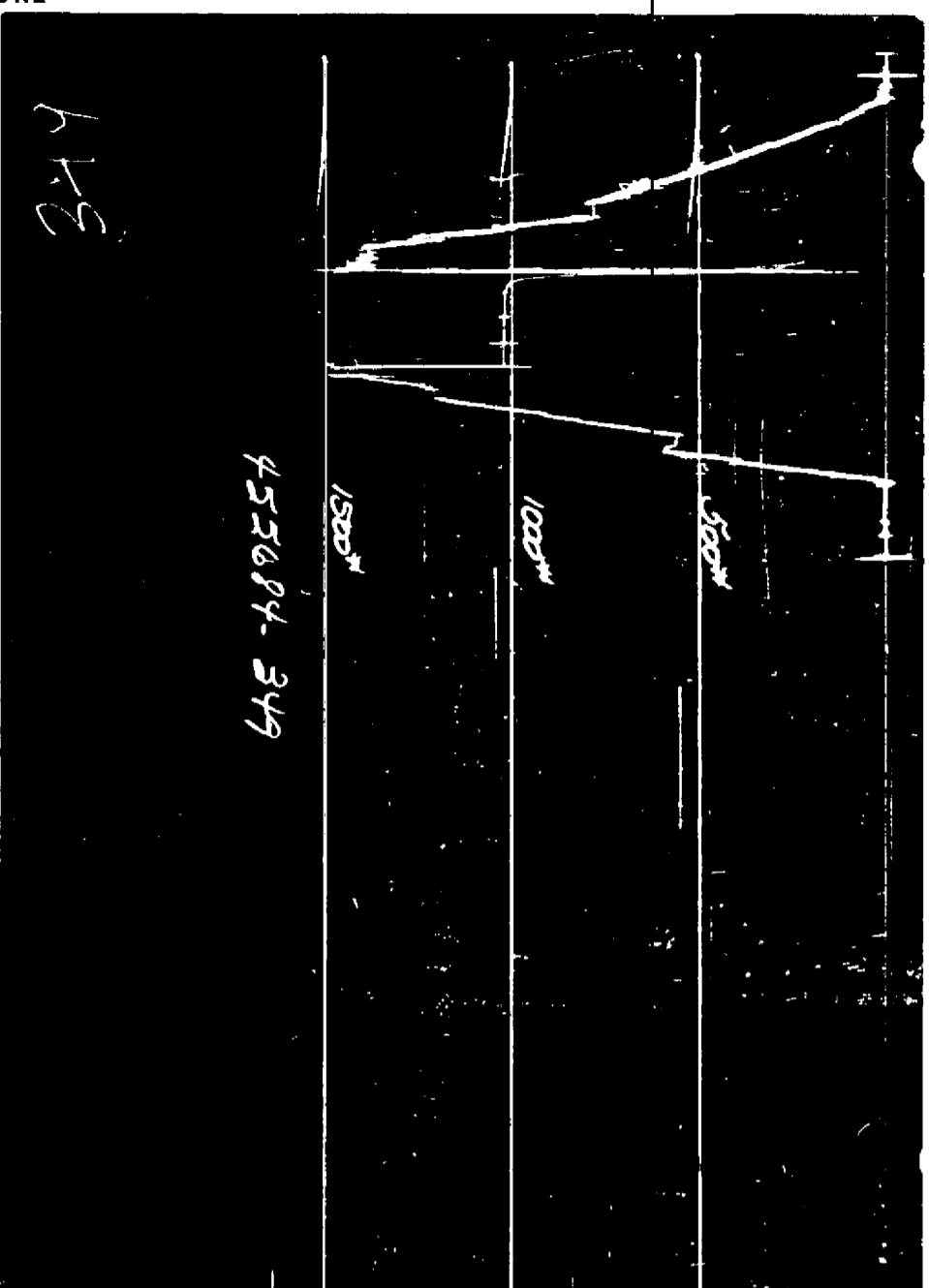
Fernando City Lopez
(Landowner)

Subscribed and sworn to before me this 6th day of October, A. D. 19 71.
Pauline Wright
Notary Public in and for the County of Valencia

NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h)	Feet
D.R.	= Damage Ratio	—
El	= Elevation	Feet
GD	= B.I. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h)	md
m	= Slope Extrapolated Pressure Plot (Psi/cycle Gas)	psi/cycle
OF ₁	= Maximum Indicated Flow Rate	MCF/D
OF ₂	= Minimum Indicated Flow Rate	MCF/D
OF ₃	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF ₄	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_w	= Potentiometric Surface (Fresh Water)	Feet
Q	= Average Adjusted Production Rate During Test	bbbls/day
Q_1	= Theoretical Production w/Damage Removed	bbbls/day
Q_2	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or liquid	CP
Log	= Common Log	—

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.



Each Horizontal Line Equal to 1000 p.s.i.

