

OPEN FLOW TEST DATA

DATE **SEPTEMBER 7, 1961**

Operator SHAR-ALAN OIL COMPANY		Lease ABRAHAM #7	
Location SEC 20-24N-1W		County RIO ARriba	State NEW MEXICO
Formation PICTURED CLIFFS		Pool	
Casing: Diameter 4 1/2"	Set At: Feet 3391'	Tubing: Diameter 1"	Set At: Feet 3350'
Pay Zone: From 3324'	To 3352'	Total Depth 3391'	Shut In
Stimulation Method		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 3"		Choke Constant: C	
Shut-In Pressure, Casing, PSIG 807	PSIA 819	Days Shut-In	Shut-In Pressure, Tubing, PSIG 808
Flowing Pressure: P, PSIG 85	PSIA 97	Working Pressure: P _w , PSIG 244	PSIA 256
Temperature: T = 60 °F	F _r 1.000	F _g From Tables 1.009	Gravity .9608
	.85		F _g =

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{av}$

Q

1163

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2}{P_r^2 - P_w^2} \right)^n$ $Aof \left(\frac{P_1^2}{P_r^2 - P_w^2} \right)^n$

Aof

1269

MCF/D

TESTED BY **JOE ROWELL**

WITNESSED BY

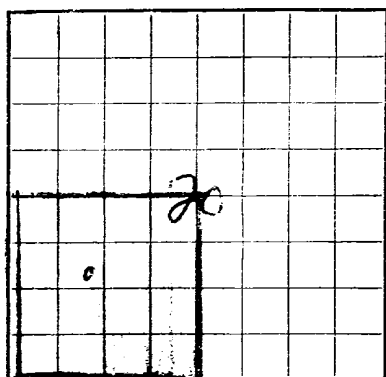
Floyd J. Ray
Petroleum Engineer**SHAR-ALAN OIL COMPANY**
Dexter
Durango, Colorado

By:

Richard S. Hunt
Mgr., Lands and Exploration

U. S. LAND OFFICE Santa FeSERIAL NUMBER 37080715-A

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shur-Alan Oil Co. Address 1402 Denver U.S. National Center
Lessor or Tract Abraham-Federal Field Undesignated State New Mexico
Well No. 7 Sec. 20 T. 24N R. 1W Meridian NMPM County Rio Arriba
Location 1490 ft. N of S Line and 1190 ft. E of N Line of 3 1/4 Elevation 7579 Grd.
(Derrick floor relative to sea level)
The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.
Signed Richard S. Hunt
Date August 1, 1961 Title Mgr. Lands & Exploration

The summary on this page is for the condition of the well at above date.

Commenced drilling May 8, 1961 Finished drilling May 18, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3324 to 3332 No. 4, from _____ to _____
No. 2, from 3335 to 3340 No. 5, from _____ to _____
No. 3, from 3348 to 3352 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 3032 to 3282 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8 5/8</u>	<u>24.8</u>	<u>8V</u>	<u>CPI</u>	<u>97'</u>	<u>None</u>				
<u>4 1/2</u>	<u>9.54</u>	<u>8V</u>	<u>CPI</u>	<u>3391'</u>	<u>Halliburton</u>		<u>3324</u>	<u>3332</u>	<u>Production</u>
							<u>3335</u>	<u>3340</u>	<u>"</u>
<u>1 1/4</u>	<u>EUE</u>	<u>25# 8V</u>		<u>3348</u>			<u>3348</u>	<u>3352</u>	<u>"</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3 5/8</u>	<u>97'</u>	<u>50</u>	<u>Halliburton</u>		
<u>4 1/2</u>	<u>3391'</u>	<u>75</u>	<u>"</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 3506' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 21, 1961 Put to producing Shut in-gas-line, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Rayco Drilg. Co., Driller _____, Driller _____
Farmington, New Mexico, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>3204'</u> <u>3275'</u> <u>3324'</u> <u>3360'</u>		<u>Kirtland</u> <u>Fruitland</u> <u>Pictured Cliff</u> <u>Lewis</u> <u>Sand-water frac - 30,000# sand,</u> <u>36,648 gallon water - Breakdown</u> <u>900# PSI. Treatment - 1900 -</u> <u>2100# PSI Injection Rate - 35.5 BPM.</u> <u>3 hour Back Pressure Test - 9-7-61</u> <u>1269 MCFD. Shot in, no pipeline.</u> <u>Charts attached.</u>

