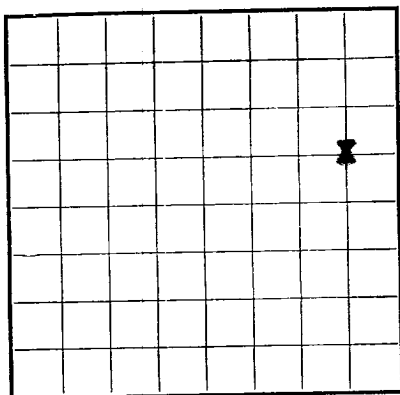


Form 9-330

U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **01171-A**
LEASE OR PERMIT TO PROSPECT**RECEIVED**
JUL 10 1959**(H) GEOLOGICAL SURVEY UNITED STATES**
ARTESIA, NEW MEXICO
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company **Tanaco Inc. (Operator)** Address **Box 1102, Midland, Texas**
Lessor or Tract **Little Lucky Lake Unit,** Field **West Hartsburg** State **New Mexico**
Richardson & Bass (Grayburg)
Well No. **1** Sec. **3** T. **16 N.** R. **30 E.** Meridian **NMPN** County **Schuyler**
Location **2334.3** [N] of **1** Line and **334.6** [E] of **1** Line of **See them 3** Elevation **3896.7**
[S] [W.] (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

*M. Helman*Date **July 8, 1959**

Title

Contractor

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

Commenced drilling **June 7**, 19**59** Finished drilling **June 15**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2830'** to **2840'** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **Not Identified** 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—	
8-5/8	24	8 rd	JAL	118.22	Baker	None			
5-1/2	24	8 rd	JAL	2892.86	Baker	None	2830	2840	Production
3-1/2	16.7	8 rd	JAL	2892.86	None	None	2830	2840	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	428.39	300	P & P	9.54	Hole Full
5-1/2	2892.86	200	P & P	10.29	Hole Full

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length **None** Depth set **None**
Adapters—Material _____ Size _____

FRAC**SHOOTING****RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
FRAC TREATMENT: Fractured with 20,000 gals refined oil containing 20,000# of sand down both casing and tubing annulus. Flushed w/170 bbls refined oil. Max press 11,000. Used 500 gals 15% ahead of frac.						

TOOLS USED

Rotary tools were used from **0-** feet to **2898' TD.** feet, and from _____ feet to _____ feet
Cable tools were used from **None** feet to _____ feet, and from _____ feet to _____ feet

DATES

July 8, 1959, 19____ Put to producing _____, 19____

The production for the first 24 hours was **30.36** barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. **100** **No**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas **34.6**

Rock pressure, lbs. per sq. in. **Not taken**

EMPLOYEES

C. J. Hernandez, Driller **W. H. Smith**, Driller
J. V. Smith, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	315	315	Red Sand & Red Shale
315	340	25	Bastler Anhydrite
340	407	67	Bastler Dolomite
407	452	45	Anhydrite
452	1200	748	Salt
1200	1520	320	Anhydrite
1520	2127	607	Anhydrite & Dolomite
2127	2830	703	Sand
2830	2840	10	Anhydrite & Dolomite
2840	2898	58	Dolomite - Total Depth
	2873		Plug Back Total Depth

LOCALITY CORRECTED

107

of _____

Journal of Management Education 30(6)

$$f_{\text{eff}} = \frac{1}{2} \left(\frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} + \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \right) = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} = \gamma$$

FOR IMMEDIATE RELEASE

[illegible]

1000

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was detached, or left in the well, give its size and location. If the well has been abandoned, give its size, location, and number of cased holes. If cased holes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

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[illegible]