



**GLEN N. RUPE**

**OIL PRODUCER**

222 Brown Building — Wichita, Kansas 67202 — AM 2-3748

September 7, 1967

Re: Case #1  
C W/2 of Sec. 20-26S-18W  
Edwards County, Kansas

Gentlemen:

I think we have a very significant discovery on our hands in the Case #1 Well.

After running the Electric Log we found the following Zones that calculate very favorably for oil or gas production.

FORT RILEY LIMESTONE (2582' - 2602')

You will recall that we ran a Drill Stem Test from 2628' - 2650' which is the Lower Fort Riley and had gas to the surface in 90 minutes with 800# Bottom Hole Pressure. Our Electric Log indicates the Zone from 2582' - 2602' has better porosities and electric resistivities than the Zone that we tested.

LANGDON SAND (3314' - 3330')

The Electric Log indicates this Zone to be tight and Shale. Drill Stem Test #3 which was taken between 3306' and 3345' had gas to surface in 55 minutes with Bottom Hole Pressure of 1005#, also indicated this Zone to be tight. However, our Well at the Langdon Sand level is 19' higher than Aylward's Langdon Sand Wells. --So I am of the opinion that this Zone can be Sand fraced into the cleaner part of the reservoir which should result in a good Langdon Gas Well.

TOP OF LANSING (4142' - 46')

This Zone did not have a "show" in the samples and we had to "trip" the Well at this depth--so our gas recorder was not in operation for this Zone. It calculates very favorably and should produce gas.

BASE OF KANSAS CITY (4426' - 4446')

All but the bottom two (2) feet calculates very favorably for gas and oil.

Drill Stem Test #5 also recovered gas to the surface in one (1) minute and at the end of the hour we had recovered 3350' of gassy 38° oil, 120' muddy gassy oil and 450' of water. We pulled four stands of drill pipe and the well "unloaded" flowing at the rate of 45 bbls./hour.

MARMATON (4476' - 90')

This Zone calculates 20% porosity with better saturation values than the above Zone. I feel certain we will have either an excellent oil or gas Zone at this level.

MISSISSIPPI "CHAT" (4702' - 4725')

This Zone had a slight gas "kick" on the gas detector. Samples indicated good fresh Chert with good florescence and no odor. Drill Stem Test #6 was taken from 4678' to 4725' which had a good strong blow throughout the test and recovered 3000' of gas and 60' of gas cut mud. The bottom hole pressures indicate a very poor reservoir--so I did not feel that we should spend the large sums of money that would be necessary in trying to make this Zone a commerical producer.

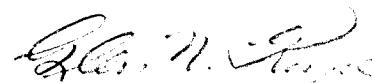
It was necessary to two stage the cement job since we had to cover the Zones from 4550' to 2600'. We ran seven (7) Centralizers and 150' of Rotary Wall Scratches over all the possible producing Zones.

We will move in the Double Drum Workover Unit Saturday afternoon and will drill out the stage collar at 2800' and have the Well ready to be logged and perforated Monday morning.

My tentative plans will be to perforate the Marmaton from 4482' - 86' and test. After this we will set a retrievable bridging plug over this Zone and perforate the Base of the Kansas City opposite 4430' - 36'.

We will attempt to dual complete both Zones and if successful we could have a discovery allowable of approximately 65 bbls. per day from each Zone.

Yours truly,



Glen N. Rupe

GNR:f1



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#1 CASE

Center of West Half of Section 20-26S-18W  
Edwards County, Kansas

8/21/67 (Monday) - Leben Drilling Company will rig up tomorrow--  
in the process of moving in today.

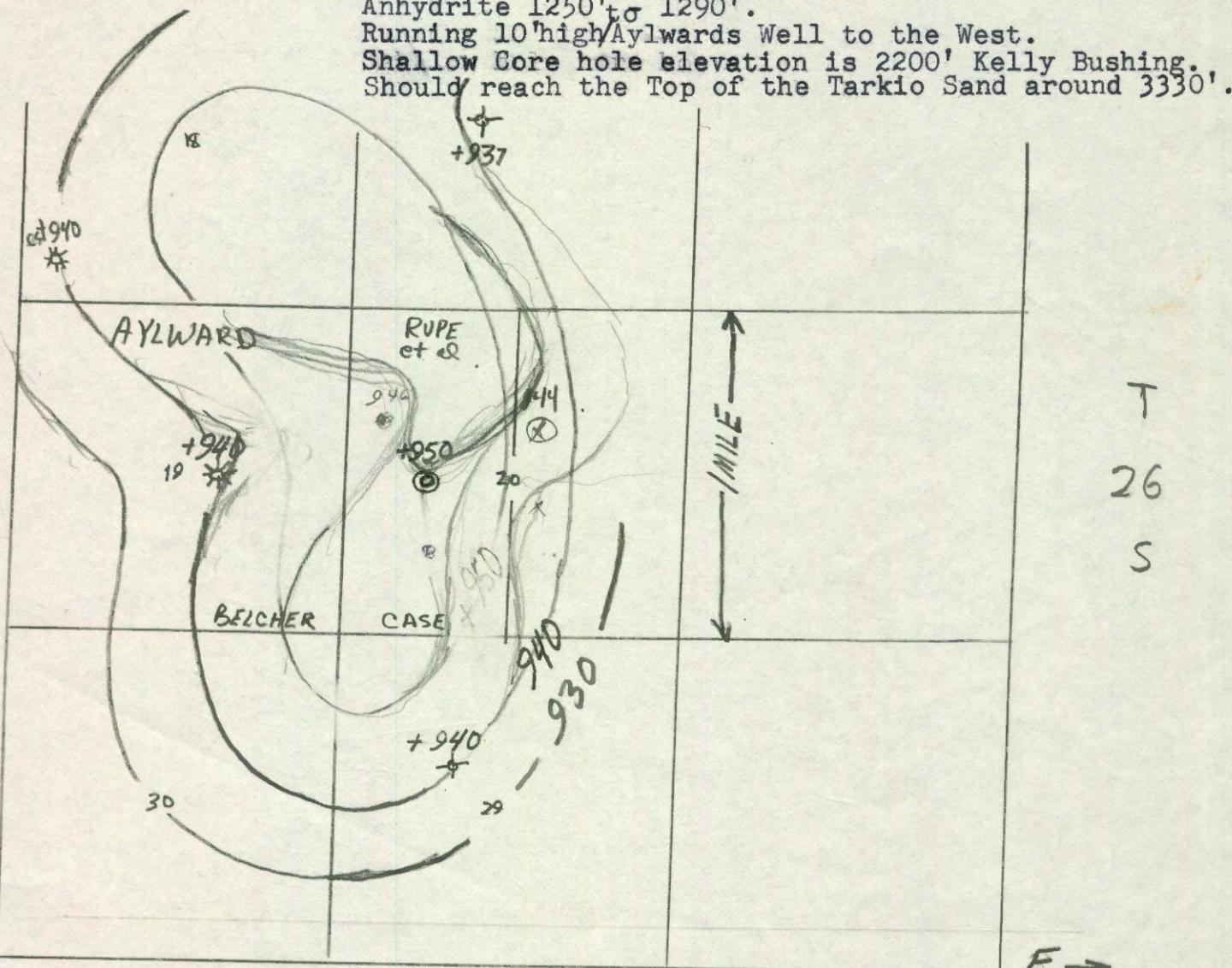
8/22/67 (Tuesday) - Rigging up today.

8/23/67 (Wednesday) - Finished rigging up today.

8/24/67 (Thursday) - Spudded at 3:45 p.m. and set 8 5/8" Surface  
Casing at 280' cemented with 225 Sacks Common  
Cement and 2% Calcium Chloride.  
Plug down at 9:45 p.m. on 8/23. Cement circulating.  
Waiting on Cement. Will start up under Surface  
Casing today.

8/25/67 (Friday) - Drilling at 2115' at 8:00 a.m.  
Anhydrite 1250' to 1290'.

Running 10' high Aylwards Well to the West.  
Shallow Core hole elevation is 2200' Kelly Bushing.  
Should reach the Top of the Tarkio Sand around 3330'.



R 18 W



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CASE #1 - C W/2 of Section 20-26S-18W, Edwards County, Kansas

September 9, 1967 (Saturday) - Moved in Double Drum Unit and rigged up. Ran approximately 2800' of rented 2 $\frac{1}{2}$ " Tubing after being drilled out by Double Drum Tool at approximately 2800'.

September 10, 1967 (Sunday) - Ran Bond and Corelation Logs. Perforated from 4478' - 84' which is opposite the Marmaton -- swabbed down to about 2600' -- got too dark to work and quit for the night.

September 11, 1967 (Monday a.m.) Started swabbing down the hole. Swabbed down at 11:00 a.m. At 11:30 a.m. swabbed out 1 bbl. of muddy oil. (Monday p.m.) Getting ready to acidize with 250 gals. mud clean up Acid.

September 12, 1967 (Tuesday) (Monday at 5:30 p.m.) Pressure was 2500#. Acid treatment didn't do any good so shut well in last night with acid on bottom. Pumped up - Casing pressure back to 2500#. Re-perforated same Zone with McCullough Perforating Gun -- pressure up again and held at 2500#.

Re-perforated 2nd Zone which is the good Drill Stem Test at 4430' - 36' - repressured well - the Zone started taking fluid 300# - 4 bbls. mud acid. Top pressure 800#

Went up and perforated another Zone from 4296' - 4301' reperforated with 4 bullets per foot.

Now going to set retrievable Bridging Plug at approximately 4400' and will swab test the Upper Zone.

September 13, 1967 (Wednesday) Pressured the well up to 1750# - broke down right around 900# -- let set overnight after acidizing with 250 gals. Mud clean-up Acid. Swabbed all the load plus acid back about 11:00 p.m. All we had was slight oil = no water, no nothing. Moved the Retrievable Bridging Plug up to 3350' and will perforate the Langdon Sand about 3320 - 30' -- will try to break it down tonight with 500 gals of Mud clean-up Acid. We have not tried to swab the good Zone down yet, but will as soon as we get another Zone to swab down.

September 29, 1967 - Case #1 - flowed the well 10 hours day before yesterday - flowed 300 bbls. oil in Tanks. Shut the Well in as we had some bad oil going over into the Stock Tanks and today we are setting up Chemical Injector in the line and should have the Well back flowing tomorrow.

We have taken in bids on hauling this oil from the range of 22¢ down to 15¢ per barrel with Tulsa Crude being the lowest bidder, and this should according to our 38 to 40 gravity oil pay a net of approximately \$33.00.

CASE #1 - C W/2 of Section 20-26S-18W, Edwards County, Kansas

8/26/67 (Saturday) - Drilling at 2545' at 8:00 a.m.

8/27/67 (Sunday) - Drilling at 2800' at 8:00 a.m.

8/28/67 (Monday) - Drilling at 3173' at 8:00 a.m.

DST #1 2467' - 2545' was negative.

DST #2 2628' - 2650' had good blow throughout test.  
Gas to surface in 90 min.  
Recovered 240' muddy water.

DST #3 3306' - 3345' had good blow throughout test.  
Gas to surface in 55 min.  
Measured 84,000.  
Recovered 62' gas cut mud.  
Initial Bottom Hole 1005#.  
Final Bottom Hole 1005#.  
Initial Flow 66#.  
Final Flow 66#.

8/29/67 (Tuesday) - Drilling at 3390' at 8:00 a.m.

Testing deeper into Tarkio Lime with DST #4  
Well running 15' high on the Top of Tarkio Lime.

In view of the good structural position over the  
Aylward's Belcher Well (offset to the West), we  
recommend that we take this Test down to the  
Mississippi formation which is at approximately 4650'.

8/30/67 (Wednesday) - Drilling at 3665' at 8:00 a.m.

Laughlin-Simmons & Co. elevation is 2198 Derrick Floor

8/31/67 (Thursday) - Drilling at 3990' at 8:00 a.m.

9/ 1/67 (Friday) - Drilling at 4255' at 8:00 a.m.

Drilling at 4280' at 1:00 p.m. - back on bottom with  
new bit.

Top Heebner	3997' -1799'
Top Toronto	4045' -1847'
Top Douglas Shale	4060' -1862'
Top Brown Lime	4132' -1934'
Top Lansing	4143' -1945'

Made a correction on the Drill Pipe Tally -  
10' off on the Tally which puts us about 1' high  
on Tarkio and a few feet lower on the Lansing  
than Aylward's Offset Well.  
Looks good for a Mississippi possibility.

Leben Drilling advises they have moved "Red" Bishop  
to St. Francis Hospital here in Wichita - for  
operation scheduled for 10:30 a.m. today - no word  
yet as to the outcome - will operate to relieve  
pressure.

9/ 5/67 (Tuesday) - Leben Drilling Company advised Total Depth 4725'  
Running 5 $\frac{1}{2}$ " Casing today.

CASE #1

Electric Log Tops

as per GNR 12/5/67

Tarkio Lime 3392'  
Heebner 3994'  
Brown Lime 4132'  
Lansing 4142'  
Base K.C. 4475'  
Cherokee 4648'  
Mississippi 4702'

Producing 100 barrels oil a day