

Disc well of  
deeper gas.

29-153-8W

LEO R. FORTIER

PETROLEUM GEOLOGIST  
312 Dittling Bldg  
~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~  
WICHITA, KANSAS

May 24, 1941



Ingling & Parker  
Lassen Hotel  
Wichita, Kansas

Gentlemen:

Attached herewith is the well sample record from  
Ingling & Parker State No. 1 in CSW SW Section 29,  
T15S, R8W, Ellsworth County, Kansas.

The two showings of gas between 2173-2179 and 2188-  
2192 occur in the Severy sand represented in the  
drilling cuttings from 2170-2200 feet.

The show of gas at 2218-2228 is in the Topeka-limestone  
and is represented in the samples 2220-2240 feet.

The gas showing 2352-2362 occurs also in the Topeka-  
limestone and is represented in the samples 2360-2370  
feet.

The gas showing at 2372-2380 is in the Topeka and is  
represented in the samples 2380-2390 feet.

The gas showing at 2390-2396 occurs also in the Topeka-  
limestone and is represented in the samples 2400-2410  
feet.

The gas showing at 2440-2442 is also in the Topeka and  
is represented in the samples 2440-2450 feet.

The best gas show at 2490-2496 occurred in the sand be-  
low the base of the Oread limestone in the Douglas group  
and is represented in the samples from 2495-2505 feet.

You will note that the samples representing the forma-  
tions in which Barior logged showings of gas occur at a  
slightly greater depth than where the showings were  
found. This is explained by the fact that the drill  
cuttings do not reach the surface until somewhat later

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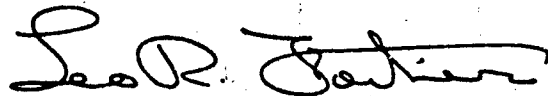
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than the showing was actually encountered. In other words, the samples are labeled at the time the well is actually some five to ten feet deeper, depending on the rate of drilling.

In view of the proximity of your well to the Lario cable tool well approximately 400 feet to the southwest which encountered showings of gas estimated in the neighborhood of three to four million feet, and the Baroid logged these same and additional gas showings, leads me to believe that your well will be a commercial gas producer. Your well is situated on the Ellsworth High, a very prominent structural feature, and it is my opinion, along with that of other geologists, that a good reserve of gas is present on this structure.

Yours very truly,



LRF/je

29-15-8W

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PETROLEUM GEOLOGIST

312 Bittling Bldg  
WICHITA, KANSAS

## WELL SAMPLE RECORD

Ingling & Parker  
State (Bickerdyke) No. 1  
CSW SW 29-T15S-R6W, Ellsworth County, Kansas  
El. 1614

All measurements from rotary bushing 1 foot above rig floor

*Top of section is  
3'9" below top  
bushing*

| <u>From</u> | <u>To</u> | <u>Description and Remarks</u>                                                                                        |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------|
|             |           | <u>TOP HOWARD LIMESTONE 2094</u>                                                                                      |
| 2100        | 10        | Gray shale - some fine gray micaceous sand - some gray to brownish limestone                                          |
| 10          | 20        | Gray shale - some light gray limestone                                                                                |
| 20          | 30        | Light gray limestone - some gray shale                                                                                |
| 30          | 40        | Gray shale and light gray limestone - some fine gray micaceous sand                                                   |
| 40          | 50        | Light gray limestone fusulinids                                                                                       |
|             |           | <u>TOP SEVERY SAND 2158</u>                                                                                           |
| 50          | 60        | Light gray to white limestone - little fine to medium grained sand                                                    |
| 60          | 70        | Gray shale and light gray limestone - trace fine sand - few pieces buff sand                                          |
| 70          | 80        | Gray granular limestone - little fine sand - trace chert                                                              |
|             |           | <u>TOP TOPEKA LIMESTONE 2186</u>                                                                                      |
| 80          | 90        | Medium grained micaceous sand - calcareous cementing - little gray limestone to gray shale                            |
| 90          | 2200      | Light gray limestone, fusulinids - some medium grained micaceous cemented sand - trace glauconite - little gray shale |
| 2200        | 10        | Light gray fossiliferous limestone - gastropod - trace gray shale                                                     |
| 10          | 20        | Light gray fossiliferous limestone                                                                                    |
| 20          | 30        | Light buff - gray fossiliferous cherty limestone - fusulinids - very faint oil ? stains - some porosity               |
| 30          | 40        | Ditto - 50% vari-colored shale - little speckled limestone                                                            |
| 40          | 50        | Gray mottled cherty fossiliferous limestone - some buff granular                                                      |
| 50          | 60        | Gray mottled limestone - trace chert - some vari-colored shale                                                        |
| 60          | 70        | Light gray buff some white fossiliferous cherty limestone "rough" - some porosity                                     |
| 70          | 80        | Buff granular fossiliferous slightly cherty limestone - fusulinids - some porosity                                    |
| 80          | 90        | Light gray fossiliferous limestone - trace chert - rare oolitic                                                       |

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UNION NATIONAL BANK BUILDING  
WICHITA, KANSAS

## Page 2 Well Sample Record

| <u>From</u> | <u>To</u> | <u>Description and Remarks</u>                                                                                                                    |
|-------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 2290        | 2300      | Gray white limestone - fairly dense                                                                                                               |
| 2300        | 10        | Light gray to gray - white fossiliferous limestone - dense to granular                                                                            |
| 10          | 20        | Drab white to some gray fossiliferous limestone - Fusulinids                                                                                      |
| 20          | 30        | Gray buff fossiliferous limestone cherty - many fusulinids - some porosity - faint dead oil ? stains                                              |
| 30          | 40        | Drab white fossiliferous limestone - flaky                                                                                                        |
| 40          | 50        | Light gray to gray-white fossiliferous limestone - trace chert                                                                                    |
| 50          | 60        | Light gray with some drab white fossiliferous limestone - trace chert                                                                             |
| 60          | 70        | Buff granular finely porous limestone fossiliferous and cherty - trace faint oil stain - little white limestone (much surface sand)               |
| 70          | 80        | Light gray fossiliferous limestone - some buff granular limestone - trace chert and faint oil stain (much surface sand)                           |
| 80          | 90        | Gray - white to buff - white fossiliferous (fusulinids) limestone - slightly cherty - trace faint oil stain (little surface sand) - some porosity |
| 90          | 2400      | Light gray fossiliferous to buff granular limestone - cherty - fusulinids - some porosity - few porosity oolites                                  |
| 2400        | 10        | Buff - white fossiliferous and oolitic limestone - some porosity - trace chert                                                                    |
| 10          | 20        | Gray - white fossiliferous to buff granular and porous limestone - some dead oil - little cherty                                                  |
| 20          | 30        | Drab white flaky cherty limestone - little gray buff granular limestone - traces dead oil                                                         |
| 30          | 40        | White flaky cherty limestone - fusulinids - some cream to light granular limestone with traces dead oil                                           |
| 40          | 50        | Drab white limestone - some gray-buff granular porosity limestone - little chert                                                                  |
| 50          | 55        | Drab white flaky - trace chert - some granular limestone with some porosity - some dark gray shale                                                |
| 55          | 60        | Dark gray shale - some light gray limestone - trace fine grained gray shale                                                                       |
|             |           | <u>BASE OREAD LIMESTONE 2458</u>                                                                                                                  |
| 60          | 65        | Drab white fossiliferous limestone - some gray shale and gray limestone - trace chert and sand                                                    |
| 65          | 70        | White to gray-white - some vari-colored shale                                                                                                     |
| 70          | 75        | White fossiliferous limestone - trace chert                                                                                                       |

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Page 3 Well Sample Record

| <u>From</u> | <u>To</u> | <u>Description and Remarks</u>                                                                                                           |
|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|
| 2475        | 80        | Vari-colored shale - some white and light gray lime-<br>stone fusulinids - trace glaucomitic sand calcareous<br>cementing (fairly tight) |
| 80          | 85        | (washed out red) vari-colored shale - some white<br>limestone (lag?) - some fairly tight fine to medium<br>grained sand                  |
| 85          | 90        | Fine to medium grained micaceous sand - some gray shale<br>(much surface sand)                                                           |
| 90          | 95        | Light gray medium grained micaceous sand - calcareous<br>cementing - some gray shale                                                     |
| 95          | 2500      | Light gray medium grained sand - only little calcareous<br>cementing - fair porosity                                                     |
| 2500        | 05 ✓      | Ditto and gray shale - trace sandy shale                                                                                                 |
| 05          | 10        | Gray shale - some medium grained sand                                                                                                    |
| 10          | 15        | Ditto - slight cementation                                                                                                               |
| 15          | 20        | Ditto - trace glauconite                                                                                                                 |
| 20          | 25        | Ditto                                                                                                                                    |
| 25          | 30        | Gray shale - little medium grained sand                                                                                                  |
| 30          | 35        | Gray shale - trace gray sand                                                                                                             |
| 35          | 40        | Gray shale - little gray sand                                                                                                            |
| 40          | 45        | Gray shale - trace gray sand                                                                                                             |
| 45          | 50        | Gray shale                                                                                                                               |
| 50          | 55        | Gray shale - trace gray glauconitic sand - little<br>limestone                                                                           |
|             | 55        | Circulated 45 minutes                                                                                                                    |
|             |           | Gray shale - some limestone                                                                                                              |

Total depth