

32-15-11W

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Petroleum Geologist  
PHONE AMHERST 2-3921  
706 ORPHEUM BUILDING  
WICHITA 2, KANSAS

July 6, 1964

S. and C. Drilling, Inc.  
Box 271  
Hays, Kansas

Re: No. 6 Borell "B"  
SW SE NE NW 32-15-11W  
Russell County, Kansas

Gentlemen:

Drilling progress at the above captioned well was observed from 2903 to 3375', total depth. One foot drilling time was kept and five foot samples were saved from 2600' to total depth. Samples were examined at the well and discarded.

MISCELLANEOUS DATA

Contractor: S. and C. Drilling, Inc.  
Surface Hole: June 23, 1964  
Completed: July 1, 1964  
Surface Casing: 8 5/8 @ 288' / cemented w/ 165 sacks.  
Drill pipe strapped: Trip No. 6  
Board 2800.87  
Strap 2799.10  
Difference 1.77  
No correction made.

FORMATION TOPS (by Drilling Time and Samples)

Elev.: 1864 KB

Anhydrite	724	(Driller)	+1140
Heebner	2915		-1051
Toronto	2934		-1070
Iatan	3007		-1143
Lansing	3023		-1159
Conglomerate	3318		-1454
Arbuckle	3365		-1501
Total Depth	3375		-1511

32-15-110

S. and C. Drilling, Inc. - No. 6 Borell "B"

-2-

#### STRUCTURAL POSITION

No. 6 Borrell was structurally low on all formations, being 17 feet lower than No. 4 and 20 feet lower than No. 3 on the Heebner and 25 feet lower than No. 4 and 37 feet lower than No. 3 on the Arbuckle.

It is the writer's opinion that this well condemns the entire NW/4 of Section 32.

#### TORONTO SECTION

2936- 40 Limestone, fine crystalline, granular, no odor, no free oil, scattered light staining.

#### LANSING SECTION

3029- 30 Limestone, oolicastic and oolitic, no odor, no free oil, rare staining.

3053- 57 Limestone, oolicastic, very faint odor, rare show of free oil, rare staining.

3112-3129 Limestone, oolicastic, slightly cherty, no odor, occasional show of free oil and staining, mostly barren porosity.

3205- 14 Limestone, oolitic and oolicastic, very faint odor, very small show of free oil, scattered light staining. Mostly barren porosity.

#### CONGLOMERATE SECTION

3318- 65 Red, green and gray shales, much yellow chert in top part, much white, partly oolitic chert in lower part, medium to large, sub-round, frosted sand grains middle and lower part of section. No sand clusters, no odor, free oil or staining.

#### ARBUCKLE SECTION

3365- 75 Dolomite, white to gray, fine crystalline, tight. No odor, no free oil, no staining.

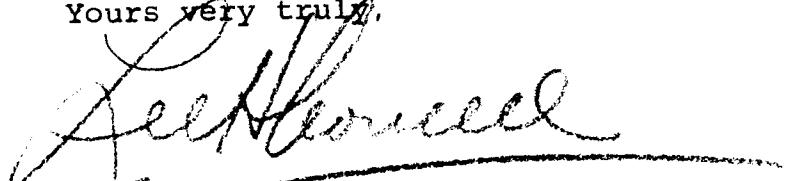
32-15-11W

S. and C. Drilling, Inc. - No. 6 Borell "B"

-3-

Because of its low structural position and lack of commercial shows, it was recommended that No. 6 Borell "B" be plugged and abandoned at 3335', a penetration of 10 feet in the Arbuckle.

Yours very truly,



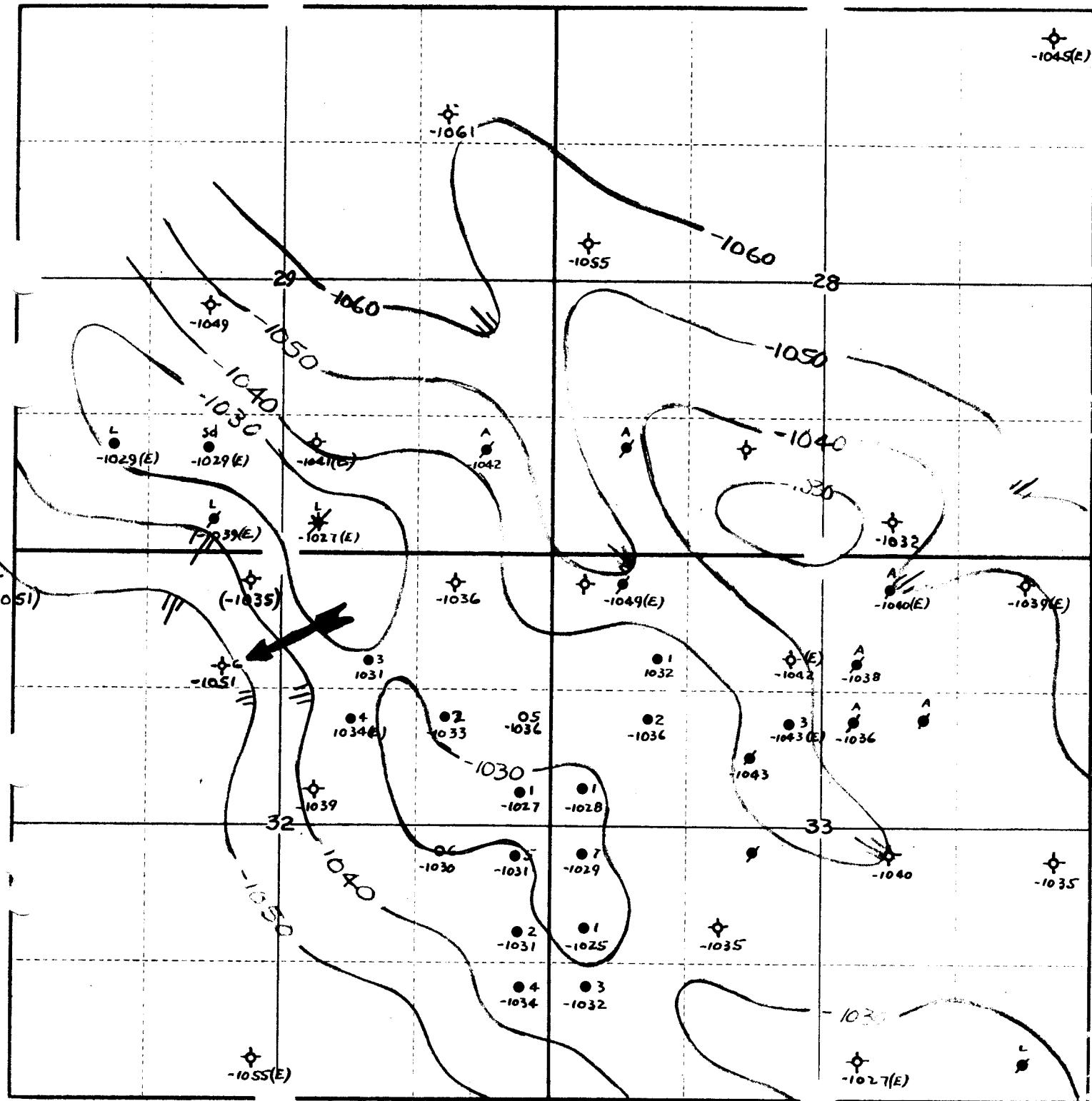
Lee H. Cornell

LEE H. CORNELL,  
Petroleum Geologist.

LHC/mlb  
encl.

32-15-11W

Township 15 Range 11W County Russell State Kansas



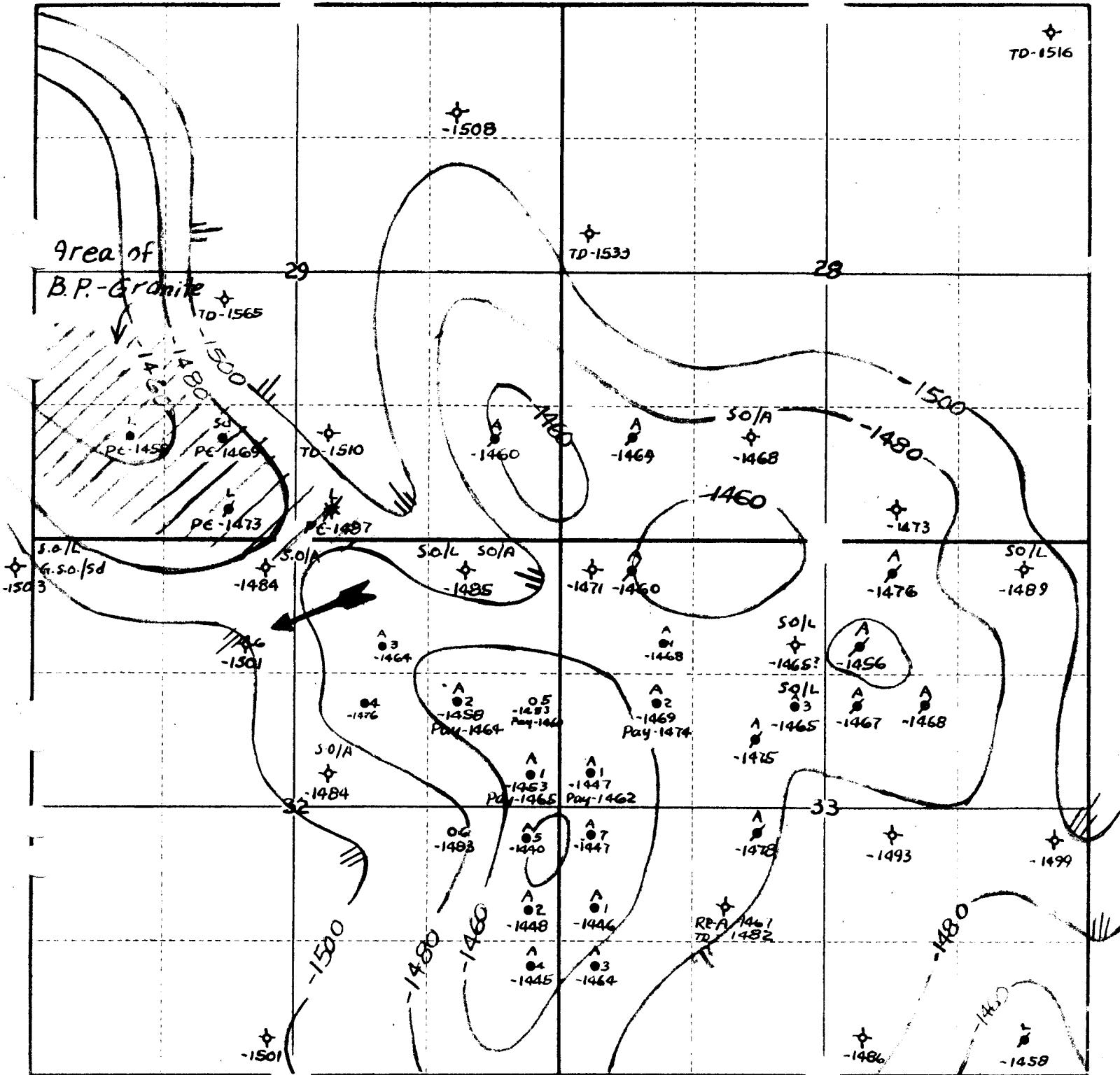
Key

- -1029(E) = Electric Log
- -1031 = Time Log & Samples
- ✖ = No Top available
- ◆ (-1051) = Estimated Top

Top of the Heebner shale  
Contour Interval - 10 ft.  
By Lee H. Cornell

Township 13 Range 11W County RUSSELL State Kansas

32-15-11W



Base of the Pennsylvanian  
Contour Interval - 20 ft.  
By Lee H. Cornell