

# Computer Inventoried

9-7-19W

Jacob . Lemmons - Geologist - Hu 3-2627 -1135 Main - Russell, Kansas

NOV 29 1988

Bennett Roberts Oil Opr.  
 #3 Desmarteau  
 NW NW NW 9-7-19W  
 Rooks County, Kansas

KANSAS GEOLOGICAL SURVEY  
 WICHITA BRANCH

The following is a geological report and drilling time log on the #3 Desmarteau, Riffe Pool, Rooks County, Kansas.

All formation tops were determined from sample analysis and time-log interpretations with all measurements taken from the rotary logging.

Well was under geological supervision from 3135' to rotary total depth.

Operator: Bennett & Roberts Oil Opr.  
 Russell, Kansas

Contractor: Bennett & Roberts Drilling,  
 Russell, Kansas

Completed: Rotary drilling--June 26, 1959

Casing: 179' of 8 5/8", 3472' of 5 1/2".

Samples: 10' interval from 2900'-3100'.  
 5' interval from 3100' to total depth.

Drilling Time: 1' interval from 2900' to total depth.

Elevation: Not surveyed yet. 2004 R.B.

Electric Log: To be run through casing before cable tool testing.

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Formation Tops:

Topeka	2949
Heebner	3154
Toronto	3180
Lansing	3195
Base/Kansas City	3433
Conglomerate	3459
Arbuckle	3470(-1466)
Total Depth	3477(-1473)

Depth 3477-79 (-1475)  
 = 479-81 1/2 (-1477 1/2)

Shows of Oil:  
 3128-55' Topeka--Cream, finely crystalline to slightly granular, fossiliferous limestone with a trace of free oil and good odor in the wet samples. In the dry samples the oil stain was black. If the electric log calculations are favorable for this zone then it should be perforated before the well is abandoned.

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3180- : Toronto--White, Finely crystalline, cherty limestone with good spotted, vugular porosity, if the electric log calculations are Favorable -- this zone then it should be perforated before the well is abandoned.

3197-3201' Lansing--White, oolitic, slightly vugular limestone with a little spotted staining.

3209-18' White, crystalline, slightly vugular limestone with a little odor in the wet samples. The dry samples showed spotted staining and saturation.

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DST #1--3188-3216' Open 1 hr. with a good blow throughout, recovered 140' gas, 30' of clean oil, and 74' of heavily oil-cut mud. No flow pressures. BHP 465# in 20". With two zones being tested at the same time, only the electric log can show which zone should be perforated.

3233-42' White, crystalline, calcitic, oolitic, slightly vugular limestone with a trace of staining.

3250-62' White, crystalline, slightly vugular limestone with a slight odor in the wet samples. The dry samples showed fair spotted staining.

DST #2--3234-3261' Open 1 hr. with a good blow throughout, recovered 670' of gas, 580' of clean oil, and 70' of muddy oil. IFP 105; FFP 255; BHP 350# in 20".

3270-78' White, dense to crystalline with a trace of staining.

3283-87' White, oolitic limestone with some spotted staining and porosity.

DST #3--3272-3296' Open 1 hr. with a weak but steady blow throughout, recovered 105' of mud with a few streaks of oil. No flow pressures, BHP 815# in 20". These zones need no further testing unless electric log calculations indicate otherwise.

3350-61' White, dense-crystalline limestone with a trace of fracture porosity and a trace of free oil in the wet samples. The dry samples showed fair spotted staining.

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3371-78' White, crystalline limestone with some spotted staining and vugular porosity.

DST #4--3351-77' Open 1 hr. with a weak, but steady blow throughout the test, recovered 17' of clean oil, and 20' of muddy oil. There were no flow pressures: BHP 525# in 20". It will take electric log calculations to determine which of the 2 zones tested should be perforated.

3472-77' Arbuckle--White, coarsely crystalline, sandy, rhombic, vugular dolomite with odor and free oil in the wet samples. The dry samples showed spotted staining and saturation.

DST #5--3472-77' Open 1 hr. with a weak, intermittent blow felt only 8", recovered 1' of clean oil, and 7' of muddy oil.

Structure:

Lack of an elevation precluded any structural comparisons, however, sighting with a carpenter's level toward the #2 Desmarteau indicated an elevation for the #3 Desmarteau such as, would show structural advantage for the #3 Desmarteau.

On completion of the rotary drilling 5 $\frac{1}{2}$ " casing was set 5' above rotary total depth for calt tool testing of the Arbuckle dolomite.

Yours respectfully,



Jacob E. Lemons

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#3 Desmarteau

DRILLING TIME LOG

<u>Depth</u>	<u>Time</u>										<u>Remarks</u>
2901-10	2	2	2	3	2	3	3	2	2	1	
20	1	1	1	2	2	2	2	2	1	1	
30	2	1	1	1	1	2	1	1	2	2	
40	3	2	3	2	3	3	2	1	1	2	
50	2	1	1	2	2	1	2	2	2	3	
60	1	3	2	2	2	3	3	3	3	3	
70	4	3	4	2	3	3	3	3	3	3	Clean Shale Pit--
80	3	3	3	3	3	4	3	2	2	2	
90	3	4	3	3	2	1	1	1	2	1	
3000	1	2	3	3	4	2	3	3	3	3	
3001-10	1	1	2	2	2	2	3	3	3	3	
20	2	2	1	2	2	4	4	4	3	4	
30	3	3	2	1	1	1	1	3	3	4	
40	3	3	4	3	3	3	3	3	3	3	
50	3	3	2	2	3	4	3	4	3	3	
60	4	4	3	2	2	2	3	2	2	2	
70	2	1	2	2	3	4	4	4	4	3	Vis. 33 Wt. 10.1
80	4	4	4	4	5	5	4	3	3	3	
90	3	4	4	3	4	4	4	4	4	4	
3100	4	4	5	7	7	7	4	5	6	5	Vix. 34 Wt. 10.1
3101-10	5	6	7	6	6	6	4	1	2	2	5' Spl.
20	3	3	4	4	5	5	8	9	8	11	Vis. 35 Wt. 10.2
30	10	10	8	6	9	9	5	4	1	1/2	
40	1/2	1/2	1/2	1	2	6	5	6	8	7	
50	6	6	7	6	6	7	8	10	8	8	
60	7	7	7	6	4	3	6	10	7	7	Vis. 35 Wt. 10.4
70	11	8	7	7	5	6	7	8	7	7	
80	8	8	9	7	9	9	9	7	6	6	Vis. 35
90	5	5	7	8	10	7	10	10	8	8	
3200	9	10	11	10	10	11	11	7	6	9	
3201-10	10	11	10	8	8	8	9	8	9	7	
20	5	7	7	8	7	8	3	3	6	5	Vis. 37 Wt. 10.1 Circ. 1 hr. DST #1
30	5	4	4	4	4	3	4	3	3	3	
40	4	4	5	4	3	4	3	3	3	3	Vis. 36 Wt. 10.3
50	4	3	5	4	5	4	5	4	5	5	
60	4	4	3	3	4	4	4	3	4	4	
70	5	4	7	6	6	5	4	5	5	3	Circ.
80	4	4	4	5	4	5	4	2	7	6	
90	4	4	6	1	1	4	4	6	4	4	
3900	2	3	3	3	2	4	4	4	7	4	Circ. 1 hr.
3301-10	4	4	7	5	6	4	4	4	4	4	Circ.
20	5	5	5	5	5	4	2	2	6	5	
30	4	3	4	3	3	4	3	3	3	3	
40	3	3	3	6	6	5	8	8	8	7	
50	7	7	6	7	5	5	4	4	5	5	
60	6	4	5	6	5	6	6	6	6	6	
70	6	7	6	5	5	4	4	3	5	7	DST #4
80	7	5	5	7	7	7	6	8	12	12	Circ.

Clean Shale Pit--  
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#3 Desmarreau

DRILLING TIME LOG

<u>Depth</u>	<u>TIME</u>										<u>Remarks</u>
90	4	3	4	4	4	5	5	4	5	5	Vis. 47 wt. 10.4
3 3400	5	7	8	7	7	7	7	7	8	9	
3401-10	8	7	7	6	4	4	5	5	5	7	
20	7	7	4	3	3	2	2	2	2	2	
30	3	3	2	2	2	3	4	4	5	5	
40	4	5	6	4	4	4	4	3	4	3	
50	5	4	3	6	6	7	7	4	4	4	
60	4	4	4	7	6	5	6	5	5	3	
70	3	4	3	3	4	5	5	4	7	8	
77	12	10	5	7	5	7	5				

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