

4-7-19w  
And

James F. Chase - Geologist - Ph. 3-3948 - 724 Sunset St. - Russell, Kansas

Bennett & Roberts #3 Riffe  
C/N2 SW SW Sec.4, T7S, R19W  
Rooks County, Kansas

Elevation: 2015 D.F. 2018 R.B.  
Casing Record: 8 5/8 @ 182 w/125 saxs  
5 1/2 @ 3438 w/125 saxs

Commenced: October 16, 1958  
Completed: October 24, 1958

Total Depth: 3512 Rotary

SUMMARY OF FORMATIONS

(All Measurements Rotary Bushing)

Cimmerron Anhydrite	1550	+ 468	(Driller)
Topeka Lime	2967	- 849	
Heebner Shale	3167	-1149	
Toronto Lime	3192	-1174	
Lansing K.C.	3211	-1193	
Basal K.C.	3414	-1396	
Weathered Anhydrite	3474	-1456	
R.T.D.	3512	-1494	

NOV 29 1968

RECEIVED  
STATE CORPORATION COMMISSION

KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH

Electric Logs: None

Cores: None

NOV 28 1968

CONSERVATION DIVISION  
Wichita, Kansas

Drill Stem Tests:

- #1  
3217-30 Prosser Testers, dual packers, 13' anchor.  
Tool open 1 hour, strong to good blow 60 minutes, recovered 1020' clean oil, 1230' gas in pipe, 9' muddy oil. B.H.P. in 10 minutes, 1015 p.s.i., I.F.P. 130 p.s.i., F.F.P. 385 p.s.i.
- #2  
3253-73 Prosser Testers, dual packers, 20' anchor.  
Tool open 1 hour, good blow 60 minutes, recovered 720' gas in pipe, 100' clean oil, 10' froggy oil, 10' oil cut mud. B.H.P. in 20 minutes 400 p.s.i.
- #3  
3289-3307 Prosser Testers, dual packers, 18' anchor.  
Tool open 1 hour, fair blow 60 minutes, recovered 180' muddy water, slightly gassy, B.H.P. in 20 minutes, 910 p.s.i., I.F.P. 0 p.s.i., F.F.P. 185 p.s.i.
- #4  
3373-88 Prosser Testers, dual packers, 15' anchor.  
Tool open 1 hour, weak blow 8 minutes, recovered 2' free oil, 10' oil and water cut mud. B.H.P. in 20 minutes, 135 p.s.i.

SUMMARY OF POROUS ZONES

Topeka (2967)

- 3141-49 Limestone, gray-buff, fine and subcrystalline, slightly chalky and finely oolitic, slight finely vugular porosity, no staining.
- 3156-58 Limestone, tan, fine crystalline, slight vugular porosity, few pieces heavy stain and saturation.

Toronto (3192)

- 3192-95 Limestone, gray, fine to subcrystalline, slight fossiliferous and chalky, poor porosity, no staining.

4-7-19W

Dennett & Roberts #3 Riffe

SUMMARY OF POROUS ZONES

Lansing K.C. (3211)

- 3213-16 Limestone, cream-tan, fine crystalline, partly oolitic, slight to fair vugular porosity, spotted light stain, few pieces fair stain and saturation, no free oil or odor, recommend testing before abandoning Lansing.
- 3220-25 Limestone, cream-tan, fine crystalline, finely fossiliferous, slight oolitic, spotted vugular porosity, scattered light to fair stain and saturation. This zone was included in D.S.T. #1, recommend additional testing.
- 3252-57 Limestone, gray, fine to medium crystalline, granular, fair vugular porosity, fair to light stain, few pieces good stain and saturation, slight odor, trace of free oil. This zone was included in D.S.T. #2, recommend additional testing.
- 3267-72 Limestone, white-tan, medium to coarse crystalline, vugular porosity, good to light staining, slight odor, trace of free oil. This zone was included in D.S.T. #2, recommend additional testing.
- 3285-88 Limestone, tan-buff, finely crystalline, sucrose and cherty, spotted pinpoint vugularporosity with light stain, few pieces fair stain to mostly unstained. This zone was included in D.S.T. #3, additional testing not recommended.
- 3298-3304 Limestone, tan, fine crystalline, slight fine vugular porosity, spotted light stain, no odor or free oil. Zone appears to be tight, doubtful commercially.
- 3363-66 Limestone, cream, fine crystalline, finely oolitic, partly oolitic, fair vugular porosity, scattered stain and saturation, trace free oil, slight oil taste. This zone was included in D.S.T. #4 recommend additional testing.

NOV 28 1988

Weathered Arbuckle (3474)

- 3474-80 Dolomite, pink-white, fine crystalline, silty, interbedded red silty shale, slight to poor porosity, pinpoint spots, black residue, no free oil or odor.
- 3480-90 Limestone, cream-gray to pale green, fine crystalline, shaley, very glauconitic, dull green subwaxy shale, sandy in part.
- 3490-95 Sandstone, dolomitic, fine grained, subrounded, tightly cemented, poor porosity, scattered tar residue, no odor or show of free oil.
- 3495-3505 Dolomite, shaley and sandy, gray, fine to medium crystalline, glauconitic, spotted heavy black stain.
- 3505-12 Dolomite, shaley, gray, fine crystalline, sandy, slight to poor porosity, pinpoint spots heavy residue stain, mostly unstained.

STRUCTURAL COMPARISON

Lansing: Well ran 8' higher than your #1 Riffe to the East, 10' higher than your #2 Riffe and Sierra's to the northeast and Southeast respectively.

Weathered Arbuckle: Well ran 4' higher than your #1 Riffe, 17' higher than your #2 Riffe, 2' lower than Pack's abandoned producer to the Southwest.

**Sennett & Roberts #3 Riffe**

**Remarks**

Well was drilled to the approximate depth of your #1 Riffe and pipe was set @ 3438 to further test the Lansing. Zone tested in D.S.T. #4 will make some water as indicated in test. This zone is the lowest producing zone open in your #1 Riffe. Zone covered in D.S.T. #2 is the upper most zone producing in your #1 Riffe. Zone tested in D.S.T. #1 showed no indications of water, therefore this zone should be tested separately from the top zone in the Lansing which appeared to be water bearing. Recommend testing 1st zone in Lansing before abandoning hole.

Casing was set @ 3438 under the supervision of George Balloun, area engineer for Weatherford Inc.

**RECEIVED**  
STATE CORPORATION COMMISSION

NOV 28 1988

CONSERVATION DIVISION  
Wichita, Kansas

JFC:mc

Respectfully submitted,

*J. F. Chase*

**J.F. Chase, Geologist**

James F. Chase - Geologist - Ph. 3-3948 - 724 Sunset St. - Russell, Kansas

Bennett & Roberts #3 Riffe  
 QW2 SW SW Sec.4, T7S, R19W  
 Rooks County, Kansas

Elevation: 2015 D.F. 2018 R.B.  
 Casing Record: 8 5/8 @ 182 w/125 saxs  
 5 1/2 @ 3438 w/125 saxs

Commenced: October 16, 1958  
 Completed: October 24, 1958

Total Depth: 3512 Rotary

DRILLING TIME LOG

Depth	Time										Remarks
2901-10	1	1	2	2	2	1	1	1	1	2	
20	2	1	1	2	1	1	1	1	2	3	
30	2	1	1	1	1	1	1	2	1	2	
40	2	1	1	2	2	2	2	1	1	2	
50	2	2	2	1	1	1	1	1	1	1	
60	1	1	1	1	1	1	1	1	1	1	
70	3	3	2	1	1	1	1	2	2	3	
80	3	3	2	3	3	3	4	3	2	3	
90	2	2	1	2	4	3	2	2	1	2	
1991-3000	8	2	3	3	2	3	4	3	1	3	
3001-10	2	1	1	1	1	2	2	3	4	5	
20	4	2	3	5	3	3	2	4	2	3	
30	3	2	3	3	2	2	2	3	3	3	
40	3	4	5	4	4	5	3	2	2	4	
50	3	3	3	5	7	5	5	5	3	3	
60	4	2	7	2	3	4	4	4	5	6	
70	5	5	6	4	5	1	7	5	3	2	
80	2	2	2	2	2	2	1	2	2	2	
90	2	2	3	3	5	5	5	5	7	5	
3091-3100	1	3	5	3	2	1	2	2	2	5	
3101-10	10	6	5	4	3	3	3	4	7	8	
20	5	5	5	5	2	8	8	8	5	4	
30	8	5	5	4	3	4	4	4	4	8	
40	9	8	8	10	8	7	5	8	6	5	
50	5	2	1	2	2	2	2	3	4	6	
60	7	8	8	8	7	7	5	5	7	8	
70	10	10	8	7	8	8	10	6	3	4	
80	4	5	5	4	4	4	4	4	3	3	
90	4	4	3	4	5	6	5	4	3	2	
3191-3200	3	3	3	3	2	3	4	5	3	5	
3201-10	4	4	4	5	4	4	4	3	4	4	
20	5	5	5	3	3	4	5	4	5	5	
30	4	4	3	3	4	5	5	5	5	5	
40	4	6	5	3	4	5	5	4	4	4	
50	4	3	4	3	3	3	3	3	3	4	
60	5	6	4	4	5	6	5	5	7	2	
70	3	3	2	3	3	3	5	4	4	4	
80	5	4	5	5	4	5	4	4	4	5	
90	5	5	3	6	4	4	5	5	4	4	
3291-3300	3	1	2	2	3	6	6	5	2	2	
3301-10	3	2	3	2	3	5	5	4	4	4	
20	3	3	4	5	4	5	5	4	4	5	
30	4	4	5	4	5	5	2	2	5	5	

RECEIVED  
 STATE CORPORATION COMMISSION

NOV 28 1958

CONSERVATION DIVISION  
 Wichita, Kansas  
 Mixing mud.

Vis. 32, Wt. 10.3, Mix mud.

Mix mud.

Trip @ 3167.

Circ. @ 3220.

Circ. @ 3230.

Circ. @ 3255.

Circ. @ 3273, D.S.T. #2.

Circ. @ 3290.

Circ. @ 3307, D.S.T. #3, new OWV

Vis. 39, Wt. 10.2, Circ. @ 3327.