

TOPS:

Topeka	2966
Lansing	3206
Conglomerate	3496
Arbuckle	3539

Porous zone from 3385 to 3389 with slight show of oil.
Accumulated total of 1700 ft. of water in hole.

Arbuckle showed oil residue but no live oil.

After setting 254 feet of 5 $\frac{1}{2}$ " liner from 3192 to 3446 w/75 sax cement under maximum pressure of 1100#, hole was bailed down and after 72 hours water came in hole. Squeezed liner w/100 sax cement under 500# pressure. After bailing down made 2-3/4 bailer fluid (75% oil and 25% water) in six hour.

Perforated with 12 holes 326-23265. Tested 3/4 bailer water and mud per hour.

Perforated with 12 holes 3274-3277. Tested 1 $\frac{1}{2}$ bailer water and mud per hour from both sets of holes.

Cemented down casing w/150 sax cement under maximum pressure of 1250#.

Perforated w/35 holes from 3429 to 3435.
Acidized with 2,000 gallons.
Tested 2 $\frac{1}{2}$ bbls. oil and 2 $\frac{1}{2}$ bbls. water per hour.

Set Baker bridging plug at 3373' and tested same amount of fluid as before setting plug, which indicated fluid was coming through old perforations from 3262 to 3265 and 3274 to 3277.

Squeezed with 200 sax cement with maximum pressure 1500#.

Perforated with 24 holes from 3429 to 3431. Showed 2 $\frac{1}{2}$ gallons oil in four hours.

Perforated with 24 holes from 3267 to 3272 and with 24 holes from 3277 to 3283.

Ran packer and Yowell tool set at 3426'.

Acidized with 2000 gallons from 3429 to 3431, maximum pressure 1,000#, minimum pressure 350#.

Swabbed 3 bbls. oil and 15 gallons water per hour. ✓

✓ Treated through perforations from 3267-72 and 3277-83 with 4,000 gallons acid.

Tested 20 bbls. water and 3 bbls. oil per hour.

Ran cement retainer to 3173' and squeezed with 300 sax cement under 2500# pressure.

Drilled out cement plug to 3442.

Tested 1 $\frac{1}{2}$ bbls. oil per hour, no water.

Acidized thru lower perforations, 3429-31, with 2,000 gallons acid.

Swabbed 2 $\frac{1}{2}$ bbls. oil per hour.

PRODUCING AREA: Through perforations from 3429 to 3431.

Received
1/28/50
JAN 28 1950
S. J. HARRISON
LANSING

15-163-0007

WELL LOG BUREAU KANSAS GEOLOGICAL SOCIETY
412 Union National Bk. Bldg., Wichita, Kansas

Company - ATLANTIC REFG. CO.
Farm - Carmichael No. 1

SEC. 16 T. 9
SEc NE
50' W of Center SE NE

Total Depth. 3547 PB 3442'
Comm. 11-23-45 Comp. 3-2-46
Shot or Treated. Acidized
Contractor. Noble Drlg. Co.
Issued. 4-20-46

County. Rooks
KANSAS



Elevation. _____

Production. Pot. 37.78 B
25 % wtr.

CASING:

10 3/4" 620' Cem.
7" 3250' Cem.
5 1/2" 3192-3446' Cem.

Figures indicate Bottom of Formations.

cellar	0-50	Acidized w/10,000 gals.
sand	72	Three batches of 2000
sand, shale & shells	222	gals. each, & one
shale	556	treatment of 4,000 gals.
sand & shale	630	
shale	1119	Tops:
red bed	1348	Topeka 2966
anhydrite	1400	Wh. Lansing 3206
shale & shells	1615	Cherty Congl. 3507
gyp & shale	1720	Arbuckle 3539
shale	1870	
lime	1930	
shale & shells	1952	
shale, sand & brkn		
lime	2023	
lime & shale	2157	
lime	2214	
shale & lime	2249	
shale & shells	2309	
lime	2375	
lime & shale	2420	
lime sdy	2440	
shale	2450	
lime	2475	
shale	2535	
lime	2574	
shale & lime	2614	
shale	2642	
shale & shells	2703	
shale	2800	
lime brkn	2825	
shale	2830	
lime	2871	
lime & shale	2903	
lime	3265	
shale	3267	
lime	3282	
TD of 3272' hole filled up 28' of fluid, After standing six hours bailed 23 gals. wtr & 2 gals. oil.		
shale & lime	3283	
lime & chert	3287	
lime & blk shale	3317	
lime	3350	
shale	3360	
lime	3437	
lime & shale	3468	
lime	3476	
lime & shale	3484	
lime	3486	
lime & shale	3497	
lime	3547	
Total Depth. PB 3442		

Received

4/10/50
APR 10 1950

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KANSAS GEOLOGICAL SOCIETY