

1/10

W. VERNON HESS

PETROLEUM GEOLOGIST

338 SOUTH BLUFF

WICHITA, KANSAS

G-M-R Wolf "A" #1  
SE-SE-2W 4-15-17W  
Ellis County, Kansas

Contractor: G-M-R Rig 5  
Commenced: March 22, 1955  
Elevation: 2080 K.F.  
Surface casing at 169'.

Geological formations and zones of porosity as determined by sample examination and drilling time correlation are as follows:

Anhydrite 1243 (-1217)

Hessner 3236 (-1206)

Toronto 3256 (-1225)

Lansing 3253 (-1275)

3232-41 Limestone, buff, dense, slightly fossiliferous, no stain or odor.

D.S.T. #1: 3218-50: Open 1 hour, good blow, recovered gas in 37 minutes, insufficient to measure; 1120 feet gas cut oil and 120 feet gas cut muddy oil. Initial flow pressure 230%, final flow 400%. S.R.F. 960%.

D.S.T. 3291-99: Miarun, tester failed to reach bottom due to bridged hole.

3294-98 Limestone, fossiliferous, slight vuggy porosity and spotted stain, part finely crystalline dolomite, with poor to fair porosity and saturation.

3402-10 Limestone, fossiliferous, fair vuggy porosity, part calcareous, small show free oil.

3455-50 Limestone, cherty, poor vuggy porosity, trace light staining.

3492-97 Limestone, part calcareous, fair porosity, good spotted staining.

3502-94 Limestone, part calcareous, fair porosity, good spotted staining.

D.S.T. #2: 3480-3550: Open 1 hour, weak intermittent blow, recovered 70 feet heavily oil and gas cut mud. S.R.F. 960%.

Arbuckle 3567 (-1507)

3567-87 Dolomite buff, medium crystalline to dense, cherty, poor vuggy porosity with heavy free oil in vugs, part sacrosic dolomite with fair porosity and saturation heavy oil.

D.S.T. #3: 3572-87: Weak blow, recovered 45 feet lightly oil and gas cut mud. S.R.F. 960%.

R.T.D. 3587 (-1527). Ran Halliburton Log.

5 1/2" casing set at 3587.

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C-M-R Well "A" #1  
SP-NE-SW 4-12-17W  
Ellis County, Kansas

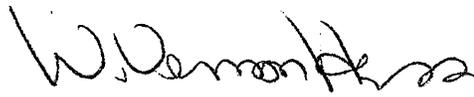
REMARKS

The Well "A" #1 is structurally nine feet higher on the Lansing datum and five feet higher on the Arbuckle datum than the C-M-R Well "A" #1, a Lansing producer approximately one quarter mile northeast.

The Lansing zone (3534-3538) is indicated by Halliburton log and by drill stem test #1, to be commercially productive. The zone (3502-35) is correlated with the producing zone at the C-M-R Well "A" #1 and appears equally as productive.

A zone (3432-37) and (3532-34) is possibly commercially productive as indicated by sample examination and drill stem test #3.

The Arbuckle dolomite section appears commercially productive altho some difficulty has been experienced in acidizing at other Arbuckle wells in the area, due to the tight and dense nature of the dolomite.

  
W. Vernon Hess

0-1-1 21 Wolf A  
 SP-52-SW 4-11-17W  
 Ellis County, Kansas.

DRILLING TIME LOG

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 338 SOUTH BLUFF  
 WICHITA, KANSAS

DEPTH	MINUTES	DEPTH	MINUTES
3070-3080	1-1-1-1-1-1-1-1-1	3540-3550	6-5-4-2-3-3-5-6-7-7
3080-3090	1-1-2-2-1-2-2-1-1-2	3550-3560	6-7-5-3-5-7-7-7-7-7
3090-3100	3-3-2-3-3-1-1-1-1-3	3560-3570	4-1-1-5-7-8-6-1-5-4
3100-3110	2-2-2-2-3-3-2-2-3	3570-3580	4-5-3-1-7-6-3-2-2-4
3110-3120	3-2-2-2-3-3-3-1-3-4	3580-3597	5-3-1-1-3-3-3
3120-3130	4-4-1-1-3-4-3-3-4-3		
3130-3140	2-3-3-1-5-3-2-2-3-3		
3140-3150	4-4-1-5-3-7-4-3-2-2		
3150-3160	2-3-1-4-4-3-6-10-5-7		
3160-3170	3-3-3-1-4-4-3-2-4-4		
3170-3180	4-4-4-3-3-7-3-7-6-6		
3180-3190	5-1-4-3-3-3-3-2-3		
3190-3200	2-1-2-2-2-2-2-1-1-3		
3200-3210	3-2-3-3-4-4-6-5-3-3		
3210-3220	4-3-3-1-2-3-3-5-7-0		
3220-3230	5-3-3-3-3-3-3-10-3-9		
3230-3240	3-7-3-3-3-7-3-11-3-9		Trip at 3170.
3240-3250	3-4-3-3-7-6-7-3-4-3		
3250-3260	4-1-3-1-4-3-3-4-5-3		
3260-3270	4-3-3-3-3-3-7-5-4-4		
3270-3280	3-1-2-3-3-4-4-3-2-5		
3280-3290	4-3-3-3-3-3-4-5-3-5		
3290-3300	3-7-3-1-3-3-1-3-5-3		
3300-3310	7-4-3-3-3-3-4-4-2-3		
3310-3320	4-3-3-3-3-3-3-3-3-3		
3320-3330	3-3-3-3-3-3-3-4-3-7		
3330-3340	7-3-7-3-3-7-3-3-2-2		
3340-3350	5-3-3-7-7-4-3-5-3-5		
3350-3360	5-3-3-5-3-3-3-3-3-3		
3360-3370	4-3-3-3-7-3-3-3-7-3		
3370-3380	7-3-3-3-3-3-1-4-1-3		
3380-3390	3-3-3-3-7-7-3-7-3-3		
3390-3400	2-2-2-2-3-7-7-3-7-7		
3400-3410	3-1-3-3-7-3-3-7-2-2		
3410-3420	4-1-3-3-3-3-4-1-3-4		Cir. at 3345.
3420-3430	3-3-7-7-7-3-7-1-3-9		Cir. & D.S.P. #1 at 3380.
3430-3440	5-3-7-3-3-3-3-3-3-3		
3440-3450	6-3-3-3-3-3-3-3-3-3		
3450-3460	5-3-3-3-3-3-7-3-3-7		
3460-3470	7-3-3-3-3-3-2-1-4-3		Cir. at 3399.
3470-3480	6-3-1-3-1-2-1-3-2-5		Cir. at 3403.
3480-3490	3-3-3-7-3-7-3-3-3-7		
3490-3500	3-3-3-3-3-3-7-7-7-3-7		
3500-3510	7-7-7-7-7-3-3-3-2-4		
3510-3520	6-3-3-4-3-3-7-3-3-7		
3520-3530	3-3-10-3-3-7-3-10-3-11		
3530-3540	9-7-11-3-10-7-3-3-3-12		
3540-3550	11-11-7-3-3-12-11-12-10-12		
3550-3560	10-10-13-3-3-3-3-3-7		Trip at 3493.
3560-3570	3-3-1-3-3-3-3-3-7-9		Cir. at 3495.
3570-3580	7-7-3-7-3-3-3-3-3-3		
3580-3590	5-3-7-4-3-4-3-3-3-3		Cir. at 3520.
3590-3600	3-3-3-3-3-3-3-3-3-7		Cir. & D.S.P. #2 at 3530.
3600-3610	3-3-3-3-3-3-3-3-3-7		