

WELL LOG BUREAU- KANSAS GEOLOGICAL SOCIETY
502 East Murdock, Wichita, Kansas

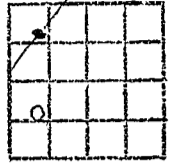
9-32-4E

Company- NATIONAL ASSOCIATED PETROLEUM COMPANY
Farm- Tharp No. 1

SEC. 9 T. 32 R. 4E
SE NW SW

Total Depth. 3355
Comm. 11-29-50 Comp. 1-24-51
Shot or Treated.
Contractor.
Issued. 11-10-51

County Cowley KANSAS



Elevation. 1211 Rig Floor

Production. dry

CASING:

5" 3348'

Depths in log are from Rig floor. Figures indicate Bottom of Formations.

No Log	0-1200	shale black	2785
lime gray xyln	1248	lime gray dense xyln	2807
shale gray	1357	shale black	2812
lime gray xyln	1364	lime light dense	
shale gray	1392	xyln	2820
lime gray xyln	1416	shale dark, black	2885
shale gray	1425	lime gray dense	2902
lime gray xyln	1456	sand light fine	
shale gray, thin		tight	2908
limes	1493	shale gray sandy	2931
sand fine	1497	lime gray dense sdy	2936
lime gray xyln	1503	shale dark, black	3001
shale gray	1548	sand medium gilsonitic	3013
lime gray dense	1554	chert gray translucent	3017
sand fine	1593	lime gray to dark fine	
lime gray dense xyln	1637	xyln	3192
shale dark	1641	lime light dense xyln	
lime gray xyln	1645	cherty	3247
shale black	1650	shale dull green-	
lime gray dense	1654	gray	3262
shale maroon	1667	lime light dense	
shale gray	1692	xyln	3278
lime gray xyln	1719	shale gray & dark	3310
shale gray	1742	shale black	3348
lime gray xyln	1752	dolomite light dense	
shale gray	1918	xyln	3351
lime brown dense	1922	dolomite	3355
shale gray	1943	Total Depth	
sand gray limey	1950		
sand fine	2046	Tops: Geological	Schlumberger
shale gray	2150	Topoka	1248
sand fine	2164	Heebner	1637
shale gray	2350	Stalnaker	1947
sand fine	2413	Layton	2350
shale gray	2440	Marmaton	2604
lime gray sandy pyritic		Peru	2635
	2445	Ft. Scott	2699
shale dark	2464	Cherokee	2820
lime gray dense	2487	Burgess	3001
lime light xyln	2507	Mississippi	3013
shale gray	2527	Kinderhook	3278
lime gray & brown		Chattanooga	3310
dense	2542	Arbuckle	3348
lime light dense			
xyln	2548		
shale black	2551		
lime gray dense	2604		
shale dark	2618		
lime light dense	2624		
shale gray	2635		
sand fine light	2660		
shale gray	2700		
lime light dense	2727		
shale dark	2730		
lime gray dense			
xyln	2745		
shale black	2749		
lime gray dense			
xyln	2781		

DST #2
3000-16 open 15 min.
50' gas cut mud with
rainbow of oil. No wtr.
strong gas to surface in
9 min. BHP 1110 #.

DST #3
3343-51 open 30 min.
55' oil cut mud and some
free oil. No wtr. BHP 1260#

Core #1
3331-48 rec. 16' 9" blk
shale and 3" arbuckle

Core #2
3348-51 rec. 3' light
dense xyln dolo. with
oil sat. in several
bedding planes and
vertical joint planes.

2819
1211
1608

Good oil color and
odor 2358-61'
water zone 2370-78'
Fair gas-oil odor and color
3000-03'
Strong odor and good oil
sat. in 3048 $\frac{1}{2}$ -50 $\frac{1}{2}$ '
bedding planes and vertical
joint planes in core

DST #1
2358-63 open 30 min. 15' mud
with rainbow of oil. No wtr
BHP zero