

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

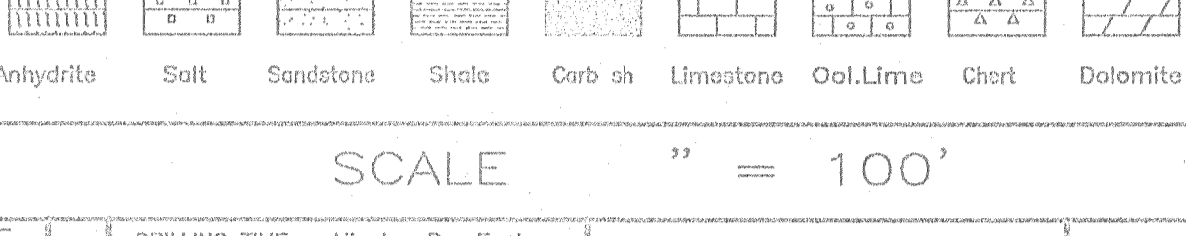
COMPANY Range Oil Company, Inc.		ELEVATIONS	
LEASE Wedel #3	FIELD 1425'		
LOCATION 330' FSL + 1700' FSL, SEL4	DF 1419'		
SEC 24 TWP 22 RGE 3E	Measurements Are All From KB		
COUNTY Marion STATE Ks	CASING SURFACE 8 1/2" @ 213' 0" 100x		
CONTRACTOR C & G, Rig #1	PRODUCTION N/A		
SPUD 8/14/14 COMP 8/18/14	ELECTRICAL SURVEYS None		
RTD 2542 LTD N/A			
MUD UP 1700 TYPE MUD Chem			
SAMPLES SAVED FROM 1850'	TO RTD		
DRILLING TIME KEPT FROM 1800'	TO RTD		
SAMPLES EXAMINED FROM 1850'	TO RTD		
GEOLOGICAL SUPERVISION FROM 1850'	TO RTD		
GEOLOGIST ON WELL Ken Wallace			
FORMATION TOPS	LOG	SAMPLES	
Lansing		1912 (-487)	
Stark Shale		2236 (-811)	
Base KC		2326 (-871)	
Marmaton		2476 (-1051)	
Cherokee		2476 (-1051)	
Upper Congl Sand		2486 (-1061)	
Mid Congl Sand		2492 (-1067)	
Lower Congl Sand		2503 (-1078)	
Miss Ct		2528 (-1103)	
Drlg Rough			
RTD		2542 (-1117)	

REMARKS: DST #1 was negative. Test hole was plugged & abandoned.

Ken Wallace

8/13/14 MIRT	8am - Drlg surface hole; 1/4" @ 216'
8/14/14	8am - Drlg @ 1201'; 1/4" @ 1247' / 1244'
8/15/14	7:30am - Drlg 2105'; 1/2" @ 1850' / 2237'
8/16/14	6:30am - Circ @ 2485'; 1/2" @ 2237'
8/17/14	7am - RTD 2542'; DST #1
8/18/14	2485 - 2492
	PFA

LEGEND



SCALE " = 100'

