

Operator: Bowman Oil Company
 Lease: SMITH WELLS NO. 9
 Field: COOPER
 Location: 905' FNL E 1815' FNL
 SEC 5 TWP 10S RGE 21W
 COUNTY GRAHAM STATE KANSAS
 CONTRACTOR: SKYTOP DRILLING LLC
 COMM. 8-5-2014 COMP. 8-13-2014
 RPT. 3937 LOG TO 3936
 SURFACES SHOWN FROM 3100 TO T.D.
 DRILLING TIME KEPT FROM 3100 TO T.D.
 SURFACES OBTAINED FROM 3100 TO T.D.
 GEOLOGICAL SUPERVISION FROM TYPE AND CHEMICAL ANALYSIS
 MADE UP 3100

GEOLOGIST'S REPORT
 DRILLING TIME AND SAMPLE LOGS
 ELEVATION
 KB 2279

DEPT. OF REVENUE
 MEASUREMENTS AND SURVEYS
 FROM KELLY BRIDGES
 CASINO RECORD
 SURFACE 9 1/4 @ 221'
 PRODUCTION 5 1/2 @ 3936

FORMATION TYPE LOG STRATA SAMPLE STRATIGRAPHY
 ANHYDRITE (175) (524) (175) (524) 43
 BIANCHONITE (175) (481) (175) (481) 42
 TORBERA 3224 (195)
 HEDNER 3351 (118) 3453 (973) -3
 3451 (118) 3500 (122) -2
 LANZING 3500 (122)
 BIRNBOURNE CITY 3728 (144) 3728 (144) -4
 BIRNBOURNE CITY 3728 (144) 3728 (144) -4
 ARBUCKLE 3844 (154) 3844 (154) -3

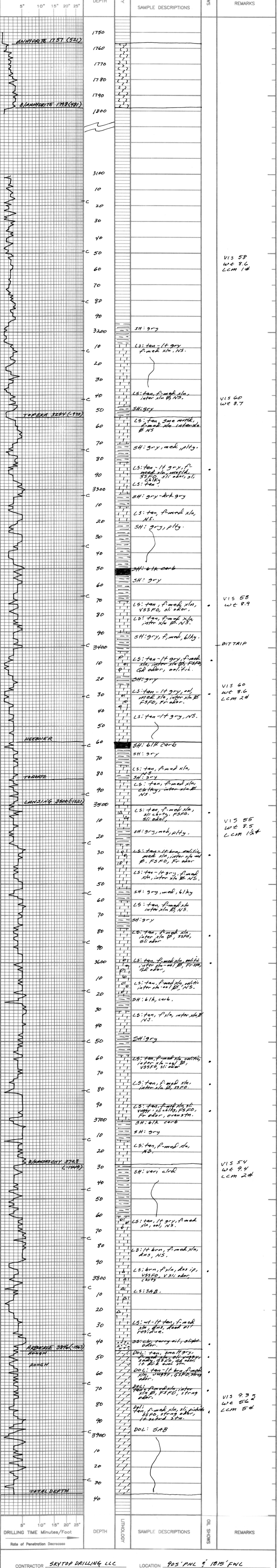
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DATE	DEPTH	NO	SEC	TYPE	DEPTH	NO	DATE
8-5-2014	5440	1	12 1/4	REED	OR	3394	2-24
8-6-14	224	2	7 1/8	REED	5520	3399	3-15
8-7-14	1499	3	7 1/8	REED	5531	3937	7-62
8-8-14	2425						41
8-9-14	3025						
8-10-14	3399						
8-11-14	3710						
8-12-14	3937						

LOG	DEPTH	DRILLING TIME	DRILLING RATE	DRILLING RATE	DRILLING RATE	DRILLING RATE
LOG	DEPTH	DRILLING TIME	DRILLING RATE	DRILLING RATE	DRILLING RATE	DRILLING RATE

LEGEND

Anhydrite Salt Sandstone Shale Carb sh Limestone Ool. Lime Chert Dolomite



CONTRACTOR SKYTOP DRILLING LLC LOCATION 905' FNL E 1815' FNL
 LEASE SMITH #19 IP SEC 5 TWP 10S RNG 21W
 ELEVATION 2271, KB 2279 RTD. 3937 COUNTY GRAHAM STATE KANSAS