

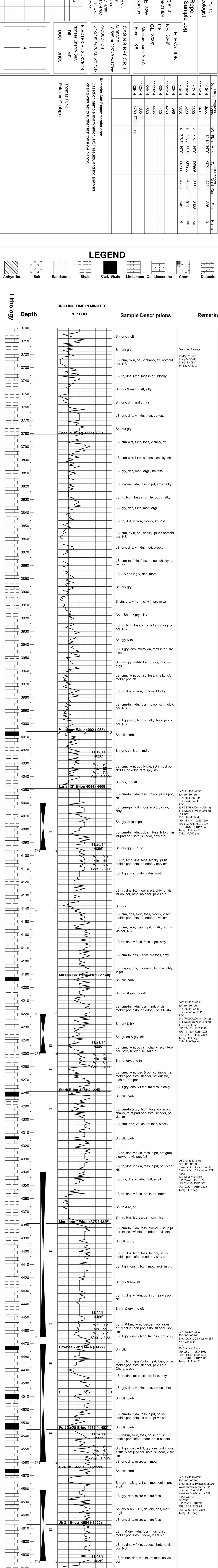
Thomas J. Funk		Petroleum Geologist		Geologist's Report		Remarks	
Date	Daily Progress	NO	Size	Make	Type	Bit Record	Out
	Depth				Depth	Depth	Feet
1/15/14	Spud	1	12 1/4"	HTC	GTC-1	226	226
1/16/14	540'						3
1/17/14	2390'	2	7 7/8"	HTC	DP506	3664	3438
		2	7 7/8"	HTC	CV200	4625	3724
							66

Dolomite

Drilling Line and Sample Log							
DR	Murfin Drilling Co., Inc	WELL NO #2-4	ELEVATION				
ancy		KB 3049'	1/19/14	3835'	4	7 7/8" HTC	DP506
igh Hat	API 15-109-21369	DF	1/20/14	4096'			
N	2281' FNL & 392' FWL	GL 3038'	1/21/14	4250'			
Logan	TWP. 13S RGE. 32W	Measurements Are All	1/22/14	4420'			
		From KB	1/23/14	4465'			
			1/24/14	4560'			
			1/25/14	4635'			
			1/26/14	4780' TD Logging			

Cherry Creek Limestone Ool Limestone

卷之三



Date	Daily Progress Depth	No	Size	Make	Bit Type	Record Depth	Out	Feet	Hours
11/15/14	Spud	1	12 1/4"	HTC	GTC-1	226		226	3
11/16/14	540'								
11/17/14	2390'	2	7 7/8"	HTC	DP506	3664		3438	50
11/18/14	2266'	2	7 7/8"	HTC	GY206	4625		374	66

 Dolomite

Remarks

on Surveys:

- @ 226' ISIP 97
- 3664' FSIP 1207
- 4096' FHP 2296
- @ 4780' 119 deg F

CM (20%w, 80%m)
CW (80%w, 20%m)

Total Fluid
135 ISIP 1219
1-209 FSIP 1223
54 FHP 2108
121 deg F
5,000 ppm

4220-4250
-60"-90"
28" on IFP
57" on FFP

CM (20%w, 80%m)
CW (75%w, 25%m)

Total Fluid
1494 ISIP 1207
2-704 FSIP 1199
78 FHP 2057
119 deg F
9,000 ppm

4340-4465
-60"-90"
Bult to 4 inches on IFP
Bult to 3 inches on FFP

1 w/oil spts
66 ISIP 995
110 FSIP 962
85 FHP 2235
115 deg F

4470-4560
-60"-90"
Bult to 10 inches on IFP
Surface blow on ISP
13" on FFP

1 w/oil spts
39 ISIP 1033
62 FSIP 1011
10 FHP 2306
117 deg F

4581-4635
-60"-90"
Bult to 2 inches on IFP
Surface blow on ISP
13" on FFP

1 w/oil spts
22 ISIP 96
25 FSIP 97
55 FHP 2296
118 deg F