

Walter #8-1

Operator: Murfin Drilling Company, Inc.
Contractor: Murfin Drilling Company, Inc.
Rig #2

West Cahoj Prospect #3332
1320' FNL 330' FEL
Sec. 1-1S-36W
Rawlins County, Kansas

Contact Person: Scott Robinson
Phone number: 316-267-3241
Well site Geologist: Robert Hendrix

Call Depth: 3210'
Spud: 1/7/14 @ 11:00AM
Complete: 1/11/14

API # 15-153-20970-00-00
Casing: 8 5/8" @ 260'
5 1/2" @ 4500'

RTD: 4510'

Elevation: 3190' GL
3201' KB

DAILY INFORMATION:

NOTE: 3' cut in elevation while building location... NEW GL 3190'... KB 3201'

- 1/6/14 MIRT
- 1/7/14 Spud today.
- 1/8/14 Depth 855'. Cut 855'. DT: 8 hrs WOC. CT: None. Dev: 1/2° @ 260'. Spud @ 11:00AM 1/7. Ran 6jts=247.63' of 23# 8 5/8" surf csg, set @ 260'. Allied cmt w/240' of Comm 3%cc. PD @ 4:30PM 1/7. DO 45' cmt @ 12:30AM 1/8. Cmt circ.
- 1/9/14 Depth 3372'. Cut 2517'. DT: None. CT: None. Dev.: 3/4° @ 1013', 1° @ 1861'.
- 1/10/14 RTD 4510'. Cut 1138'. DT: None. CT: 10 3/4 hrs. Dev.: None. **Oread:** Ls white f-mxln, chalky, foss, pr vug por, 5% sample black spotty oil stain, slsfo (heavy), faint odor. **LKC D:** Ls tan to white, m-lxln, sl chalky, foss, fr interxln por, 20% sample lt sat stain, frsfo, good odor. **LKC G:** Ls white to gray, fxln, foss, pr interxln por, 10% sample black spotty to sat stain, slsfo on break, faint odor. **LKC J:** Ls white f-mxln, sl oolitic, foss, fr interxln por, 20% sample dark sat stain, prsfo, good odor. HC @ 4:45AM 1/10. Expect to log after 10:00AM. Going to run 5 1/2" prod csg.
- 1/11/14 RTD: 4510'. CT: 24hrs. Dev.: 3/4° @ 4510'. Pioneer logged 11:30AM-3:30PM 1/10. LTD: 4507'. Ran 107jts of 15.5# 5 1/2" prod csg, set @ 4500'. Swift cmt w/450sxs (250SMD, 200EA-2). PD @ 6:00AM 1/11. 30sxs RH, 20sxs MH. Circ 10sxs.
- 1/12/14 RTD: 4510'. CT: 3hrs. RR @ 10:00AM 1/11. FINAL REPORT

Walter #8-1 1320' FNL 330' FEL Sec. 1-T1S-R36W 3201' KB							Walter #5-1 765' FNL 867' FEL Sec. 1-T1S-R36W 3142' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3122	+79	+6	3122	+79	+6	3069	+73
B/Anhydrite	3158	+43	+6	3161	+40	+3	3105	+37
Neva				3615	-414	-1	3555	-413
Red Eagle				3679	-478	-2	3618	-476
Foraker	3721	-510	+3	3725	-524	-1	3665	-523
Topeka				3934	-733	-3	3872	-730
Oread				4048	-847	-2	3987	-845
Lansing				4149	-948	-3	4087	-945
Stark	4360	-1159	+1	4361	-1160	Flat	4302	-1160
BKC				4413	-1212	Flat	4354	-1212
RTD	4510	-1309					4474	-1332
LTD				4507	-1306		4478	-1336