

**Mary Ann #7-1**

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

West Cahoj Prospect #3332  
1470' FNL 1520' FWL  
Sec. 1-1S-36W  
Rawlins County, Kansas

Contact Person: Scott Robinson  
Phone number: 316-267-3241  
Well site Geologist: Wes Hansen

Call Depth: 3150'  
Spud: 1/24/14 @ 3:30PM  
Complete: 1/29/14

API # 15-153-20980-00-00  
Casing: 8 5/8" @ 224'  
5 1/2" @ 4515'

RTD: 4520'

Elevation: 3139' GL  
3150' KB

**DAILY INFORMATION:**

**NOTE:** 1' fill when building location. NEW GL 3139'... KB 3150'

- 1/23/14 Off. Move 1/24
- 1/24/14 MIRT
- 1/25/14 Depth 422'. Cut 422'. DT: 8hrs WOC. CT: None. Dev.: 1/4" @ 224'. Spud @ 3:30PM 1/24. Ran 5jts=210' of 23# 8 5/8" surf csg, set @ 224'. Allied cmt w/225sxs of Comm 3%CC. PD @ 9:00PM 1/24. DO @ 5:00AM (25'cmt). Circ 6BBLs.
- 1/26/14 Depth 3474'. Cut 3052'. DT: 1 hr Displace. CT: None. Dev.: None.
- 1/27/14 Depth 4520'. Cut 1046'. DT: None. CT: 12 hrs. Dev.: None. HC @ 6:00AM 1/27. W trip @ 4074' – 56 stand
- 1/28/14 RTD: 4520'. CT: 2 3/4 hrs. Pioneer logged 1:00PM – 4:45PM 1/27. LTD 4522'. Ran 107jts of 5 1/2" prod csg, set @ 4515'. Swift cmt w/450sxs (250SMD, 200EA-2), PD @ 5:45AM 1/28. 30sxs RH, 20sxs MH. RR @ 9:45AM.

MDCI Mary Ann #7-1 1470' FNL 1520' FWL Sec. 1-T1S-R36W 3150' KB							MDCI Mary Ann #5-1 900' FNL 1075' FWL Sec. 1-T1S-R36W 3177' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3081	+69	+1	3081	+69	+1	3109	+68
B/Anhydrite	3115	+35	+2	3115	+35	+2	3144	+33
Neva				3561	-411	+1	3589	-412
Red Eagle				3623	-473	+2	3652	-475
Foraker				3671	-521	-1	3697	-520
Topeka				3884	-734	+2	3913	-736
Oread				3997	-847	-1	4023	-846
Lansing				4100	-950	+1	4128	-951
Stark				4315	-1165	+2	4344	-1167
BKC				4367	-1217	+4	4402	-1225
RTD	4520	-1370					4510	-1333
LTD				4522	-1372		4514	-1364