

### Terry Unit #7-32

Operator: Murfin Drilling Company, Inc.  
Contractor: Murfin Drilling Company, Inc.  
Rig #3

Raile Prospect #2929  
  
2460 FNL 1800 FWL  
Sec. 32-T2S-R41W  
Cheyenne County, Kansas

Contact Person: Scott Robinson  
Phone number: 316-267-3241  
Well site Geologist: Curtis Covey

Call Depth: 3800'  
Spud: 10:45 a.m. 5/12/03  
Est. TD: 5100'

API # 15-023-20503  
Casing: 8 5/8" @ 368'  
Elevation: 3685' GL  
3690' KB

#### DAILY INFORMATION:

5/9/03 MIRT, will spud tomorrow.

5/10/03 Rained out on rest of move.

5/12/03 Finish rig-up and spud today.

5/13/03 Depth 410'. Cut 410'. DT: 8 hrs. (WOC), 1 3/4 hrs. (LC @ 80', 164'). CT: none. Dev.: 1/2° @ 368'. Spud @ 10:45 a.m. 5/12/03. Ran 9 jts. = 361.77' of 8 5/8" surf. csg. Set @ 368'. Cmt. w/275 sx. comm., 3% cc, 2% gel, plug down @ 9:30 p.m. 5/12, drilled out @ 5:30 a.m. 5/13/03, circ. 3 bbls by Allied.

5/14/03 Depth 1990'. Cut 1580'. DT: none. CT: none. Dev.: 1/2° @ 615', 1/2° @ 802, 1/2° @ 1021', 1° @ 1204', 1° @ 1420, 1 1/8° @ 1630', 3/4° @ 1829'.

5/15/03 Depth 3140'. Cut 1150'. DT: none. CT: none. Dev.: 1/8° @ 2081', 1/4° @ 2392', 1/4° @ 2870'.

5/16/03 Depth 3825'. Cut 685'. DT: 1 1/2 hrs. (pump). CT: none. Dev.: 1/4° @ 3142', 1/2° @ 3703'.

5/17/03 Depth 4320'. Cut 495'. DT: none. CT: none. Dev.: none.

5/18/03 Depth 4544'. Cut 224'. DT: none. CT: 10 1/2 hrs. Dev.: 1° @ 4544'. **DST #1 4508-4544 (Lansing A zone):** 30 45 30 45; IF: weak 3/4" blow. FF: no blow. Rec. 1' CO, 5' OCM (20% O, 80% M) HP: 2200-2097; FP: 21/26 29/30; SIP: 178-88. BHT 137°.

5/19/03 Depth 4616'. Cut 72'. DT: none. CT: 18 1/2 hrs. Dev.: none. Lansing D zone porosity 4607 (-917) +18 to the Raile. D zone porosity not present in the Culwell. Drilling break from 4605-4616 good show of oil. **DST #2 4600-4616 (Lansing D zone):** 30-45-60-90; IF: 1/4" blow increased to 3/4"; FF: 1/2" blow throughout; Rec. 1" CO, 59" SLOCM (15% O, 85% M). HP: 2240-2204; FP: 15/25 30/45; BHP: 751-745. BHT 142°.

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- 5/20/03 Depth 4756'. Cut 140'. DT: none. CT: 16 ¼ hrs. Dev.: none. **Core #1 4718-56 (Lansing J zone):** Cut 38', Rec. 38', 4' of porosity w/show. **DST #3 4710-4756 (Lansing J zone):** 30-60-45-90; IF: ½" blow built to 5 ½". FF: wk surface blow built to 1 ½". Rec. 62' M w/O spts, 60' SL OCM (10% O, 90% M), 60' SL OCM (25% O, 75% M), 182' total fluid. HP: 2335-2315; FP: 26/76, 87/109. BHP: 154-155. BHT 147 °.
- 5/21/03 Depth 4915'. Cut 159'. DT: none. CT: 10 ¼ hrs. Dev.: none.
- 5/22/03 RTD 5100'. Cut 185'. DT: none. CT: 8 ¾ hrs. Dev.: 1° @ 5100'. HC @ 10:15 p.m. 5/21, Log Tech began logging at 3:15 a.m., LTD @ 5104'. Will run 5 ½ prod. csg.
- 5/23/03 RTD 5100'. CT: 18 ½ hrs. Ran 5 ½" prod. casing to 5090'. Cmt. w/225 sx. EA2, plug down @ 11:00 p.m. 5/22/03 by Swift. Rig released @ 1:30 a.m. 5/23/03. **FINAL REPORT.**

Formation	Terry Unit #7-32 3690' KB				Ref	Culwell #5-32 3680' KB			Raile #1-32 3693' KB		
	Sample Top	Datum	Log tops	Datum		Log Top	Datum	Ref	Log Tops	Datum	
Niobrara			1543	+2147							
Anhydrite	3570	+120			-10	3550	+130	+29	3602	+91	
B/Anhydrite	3604	+86			-7	3587	+93	+29	3636	+57	
Topeka	4350	-660	4354	-664	-5	4335	-655	+23	4376	-683	
Oread	4469	-779	4467	-777	-6	4453	-773	+20	4492	-799	
Lansing	4537	-847	4538	-848	-4	4523	-843	+21	4561	-868	
Lansing D			4594	-904							
Lansing G			4666	-976							
Lansing J	4719	-1029	4733	-1043	+11	4720	-1040	+33	4755	-1062	
Lansing J Ø	4732	-1042	4733	-1043	-2	4720	-1040	+25	4760	-1067	
Stark						4755	-1075				
Lansing K			4804	-1114							
BKC	4866	-1176	4862	-1172	-7	4849	-1169	+16	4885	-1192	
Marmaton	4930	-1240	4926	-1236	-10	4910	-1230	+15	4948	-1255	
Cherokee			5040	-1350							
RTD	5100					5030			5430		
LTD			5104			5031			5437		