5-15-15W

ORIGINAL

Mudd #1-5
Operator: Murfin Drilling Company, Inc.
Contractor: Murfin Drilling Company, Inc.
Rig #24

SE NE SE
MCI - SCI - CO

Panther Martin Prospect #3180

1700 FSL 330 FEL
Sec. 5-T15S-R15W
Russell County, Kansas

Contact Person: Scott Robinson
Phone number: 316-267-3241
Well site Geologist: Dave Goldack

Call Depth: 2400'
Spud: 7/7/05 @ 12:30 p.m.

API #: 15-167-23292
Casing: 8 5/8" @ 220'

ETD: 3498'

Elevation: 1873 GL
1878' KB

DAILY INFORMATION:

7/5/05 MIRT. CORRECTION Move rained out.

7/6/05 Start move today, finish tomorrow due to truck availability.

7/7/05 Finish RU & spud this a.m.

7/8/05 Depth 700'. Cut 700'. DT: 8 hrs. (WOC). CT: none. Dev.: ½° @ 220'. Spud @ 12:30 p.m. 7/7/05, Ran 5 jts. = 211.82' of 8 5/8" surf. csg. set @ 220', cmt w/150 sx. comm., 3% cc, 2% gel, plug down @ 6:00 p.m. 7/7/05 drilled out plug @ 2:00 a.m. 7/8/05, circ. 5 bbls. by Allied.

7/9/05 Depth 1907'. Cut 1207'. DT: 1 hs. (pump). CT: none. Dev.: none.

7/10/05 Depth 2518'. Cut 611'. DT: 1 ½ hrs. (pump). CT: none. Dev.: ½° @ 2000'.

7/11/05 Depth 3012'. Cut 494'. DT: ½ hr. (pump). CT: 6 ¼ hrs. Dev.: 1° @ 3012'. ***Oread porosity:*** drlg brk 1 – 1 ½ min/ft. from 2 ½-3 min/ft. lm lt crey-cream v fn xln foss in part pp vug porosity tr inter xln porosity scat chalky lm sfo sl odor spty stn tr sat stn fr fluor gd cut. **DST #1 2992-3012 (Oread):** 30-45-30-45; IF: wk surf. blw. Tool open @ 8:15 a.m.

7/12/05 Depth 3155'. Cut 143'. DT: none. CT: 15 hrs. Dev.: none. **DST #1 2992-3012 (Oread):** 30-45-30-45; IF: wk surf. blw. FF: wk surf. blw. Rec. 125' MW (20% M, 80% W), (Chl. 60,000 ppm, mud system 3,400 ppm). SIP: 1012-1000; FP: 10/41, 43/67; HP: 1412-1358. BHT 98°. Pipe strap was 1.02' long to the board. ***Toronto:*** very rare trace of FO pr porosity. ***LKC A:*** no show. ***LKC B:*** foss oolitic lm pr-fr vug porosity tr inter xln porosity tr FO pr fluor & cut. ***LKC D***: 4' drlg brk v fn xln lm foss fr vug & moldic porosity p-fr inter xln porosity sl-fr SFO fr odor spty-sat stn fr-gd fluor & cut. **DST #2 3045-3155 (Tor, LKC A, B, D):**

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7/13/05 Depth 3220'. Cut 65'. DT: none. CT: 19 ½ hrs. Dev.: none. **DST #2 3045-3155 (Tor, LKC A, B, D):** 30-45-30-45; IF: wk blw slowly bldg to ¾" then decreasing. FF: no blw 20 min into the period wk surf. blw. Rec. 124' thin mud. SIP: 845-833; FP: 71/51, 54/76; HP: 1460-1423. BHT 100°. Circ @ 3186', ***LKC F zone:*** lm crm oolitic scat foss fr inter oolitic porosity tr vug porosity chky in part fr sfo fr odor fr-gd spty-sat blk stn gd fluor & cut. **DST #3 3160-3186 (LKC E/F zones):** 30-45-30-45. IF: wk surf. blw died in 10 min. FF: no blw. Rec. 15' DM w/oil show in tool. SIP: 293-181; FP: 12/23, 26/31; HP: 1592-1453. BHT 99°.

7/14/05 Depth 3340'. Cut 120'. DT: ¼ hr. (RC). CT: 16 ¼ hrs. Dev.: none. ***LKC H zone:*** lm v fn xln foss scat poor inter xln porosity tr pp porosity & moldic porosity v sl sfo in inter oolitic porosity scat stn v faint odor. ***LKC I zone:*** v fn xln lm poor porosity tr fo no odor. ***LKC J zone:*** tr of vis porosity tr of fo tight. **DST #4 3231-3340 (LKC H-L zones):** 30-60-60-90. IF: wk . FF: wk. Rec. 211' TF, 1' CO, 30' M, 180' MW (Chl. 70,000). SIP: 1024-990; FP: 17/74, 81/115; HP: 1574-1512. BHT 101°. ***Arbuckle:*** crm-tn dolomite pr vug & inter oolitic porosity mostly dense sfo. 3359' @ 9:30 a.m. will cut 5' more and test Arbuckle.

7/15/05 Depth 3379'. Cut 39'. DT: none. CT: 22 ¼ hrs. **DST #5 3321-3364 (Arbuckle):** 30-30-30-60. Rec. 5' Mud. SIP: 44-50; FP: 13/15, 15/16; HP: 1591-1553. BHT 98°. **DST #6 3364-3379 (Arbuckle):** 30-60-60-90. On bottom with tool. 2 ½" blow in 15 min. Having problems maintaining mud viscosity currently.

7/16/05 RTD 3470'. Cut 91'. DT: none. CT: 19 ½ hrs. Dev.: none. **DST #6 3364-3379 (Arbuckle):** 30-60-60-90. On bottom with tool. 2 ½" blow in 15 min. Log Tech logged from 12:30 to 5:30 a.m. 7/16/05, LTD @ 3472'.

7/17/05 RTD 3470'. Cut 0'. DT: none. CT: 9 ¾ hrs. HC @ 9:00 p.m. 7/15/05. Plugged hole w/ 60/40 poz, 6% gel as follows: 25 sx. @ 3347', 25 sx. @ 950', 50 sx. @ 500', 40 sx. @ 270', 10 sx. @ 40', 15 sx. in RH. Started 2 11:45 p.m. 7/16/05, comp. @ 1:45 p.m. 7/16/05 by Allied, orders from Darrel Dippman @ KCC, Hays. Rig released @ 4:45 p.m. 7/16/05. **FINAL REPORT.**