

15-121-28116

12-105-212

1

ORIGINAL GEOLOGICAL REPORT

NW SW

Lease Name: Someday 42-12-16-24
 GPS Location: 3000 FSL, 1980 FEL
 N 38° 40.394, W 94° 42.123
 Section: 12-T16S-R24E
 County: Miami, KS
 API #: 15-121-2811600-00
 Elevation: 1050 GL (est from GPS)
 Drilling Contractor: Glaze Drilling License #: 5885
 Spud: 11/10/05
 Surface: 11 1/4" bore hole, set 20' of 8 5/8" casing cemented w/ 5 sacks
 Rotary Total Depth: 640' on 11/12/05
 Drilling: Air
 E-Log total Depth: No open hole E-Log ran
 Production:
 Abandoned and plugged on 11/14/05

<u>FORMATION</u>	<u>DRILLER LOG TOPS</u>	<u>E- LOG TOPS</u>	<u>DATUM</u>
Stark Shale	257		793
Hushpuckney Shale	286		764
Base Kansas City	302		748
"Upper" Knobtown Sand Zone	No call		--
"Middle" Knobtown Sand Zone	330		720
"Lower" Knobtown Sand Zone	No call		--
Carbonaceous Zone in Tacket Fm.	No call		--
"Big Lake" Sand	No call		--
South Mound Zone	No call		--
Hepler (Wayside) Sand	No call		--
"Upper" Mulberry Zone	No call		--
Mulberry Zone	488		526
Laberdie Limestone	No call		--
Weiser Sand	502		548
Myrick Station	No call		--
Anna Shale (Lexington Coal Zone)	532		518
Peru Sand	No call		--
Summit Shale Zone	577		473
Mulky Coal/Shale Zone	605		445
Squirrel Sand	No call		--
Rotary Total Depth	640		410
Cased Hole E-Log Total Depth			

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11/08/05

0900 Spud in begins
0940 Begin cementing surface 0-20'
1400 Complete surface cementing at 21'
1530 Off location

11/09/05

0715 On location
0915 Glaze Drilling on location
0915-1100 Driller Mike Glaze sets in rig, rig up. Dave Brown digs pit(s).
1130-1300 Reinstall surface pipe due to limitations. Unable to ream surf. pipe is crooked
1330 Jeff Taylor on location
1500 Off location

11/10/05

0735 On location
0736 Surface time. I set up gas detector...call John Richards PBI instruments
@432-687-4445
1120 Contact PBI...gas detector ready. Set @ 20' for drilling under surface. Glaze
hooks up Geolograph & gas detector
1137 Gin drilling 20-37'. Jeff Taylor on location
1204 47' tg 15.5, cg 123.6
1205 Jeff Taylor off location
1227 100' tg 16.3, cg 123.9
1258 135' tg 12.9 cg 123.5
1301 Auto sample @ 138' tg 12.9, cg 123.5
1315 172' tg 12.2 cg 122.6
1316 Glaze didn't kick Geolograph correct depth to 142'
1333 Glaze sets Geolograph @ 162', I set the gas analyzer depth to match
1351 Check depth
1355 182' tg 11.2 cg 120.8
1404 202' tg 11.2 cg 120.5
1441 200-10' shale gry w/ crinoid fossil frag., trace sandstone, argilaouse till (sluff)
210-20' shale drk gry layered fissel. Trace of lms fragments (sluff)
220-30' shale gry to drk gry, drk gry lms frgmnts
230-40' lms gry crystalline to lt gry w/ fine blk streaks, limonite stains, no fossils
240-50' lms lt gry to wht w/ drk brwn dendritic pattern, trace of drk shl
250-60' shale blk to drk gry. Stark shale
260-70' lms lt gry/ gry shl soft, sticky, mudstone

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270-80' lt gry soft shl/lms lt gry to crystalline wht lms, dolomite?

@ 277' tg 19.1 cg 122.2

280-90' blk to drk gry laminated shl/lms lt gry

@ 287' tg 19.7 cg 121

290-300' lms gry to drk gry/ reset gas det. From 307-300'

300-10' lms gry w/ brn to tan streaks/ no sand

310-20' sndstn drk gry to lt gry layered, slgt odor, some bubbles test no blow

320-30' silty sndstn gry to drk gry/ slty shale gry soft

330-40' sndstn fine grain "oily" spotting thru out gases

340-50' sndstn v. fine to fn layered well cemented trc of oil

350-60' sndstn v fn drk gry to blk well cemented STOP @ 363'

BLOWOFFBTM @ 0515/1715

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11/11/05

360-70' sh gry, silty, firm

370-80' aa

380-90' aa

390-400 aa conn gas (cg), 46 units at 400

400-10' sh gry

410-20' sh gry

400-20' 42 units bg

420-30' sh gry, vry silty grading to siltstone

430-40' sh gry, silty

440-50' sh gry

450-60' sh gry, @ 460 sh blk, carbonaceous, platey, brittle, maybe a few gas bubbles forming on the face of the samples

440-60' bg 38-35, gss kick @ 460S Mound to 94 units 59 unit increase

460' cg @ 126 unit kick over bg

460-70' sh gry, limey and hard, some ls, silty

470-80' aa

480' cg 76 on tga 35 background on tga

480-90' ls brn to buff, sandy, w/ some oil stain, sh gry hard, some sh blk, carbonaceous, blocky

488' bg at 64 units

490-500' sh gry, ls brown, tan, hard

Open flow test at 500-0 cg 96 units. Gas chromatograph @ 460 units

505' bg @ 98tga

508' bg @ 92tga

508' trip for bit, lost 4 buttons, try magnet, no luck, ran back in w/ 7 7/8" bit

500-510' ls hard, tan brn

510-20' ls hard, tan siltstone clear, shale gry

520' tga 164 units cg

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520-30' ls hard silty brn, gry silty sh, sme gry siltstn
530-40' hd silty brn ls, gry silty sh, sme gry siltstone. Sh blk, silty, blocky to
fissel/ occasional gas bubbles from most carbonaceous pcs. No gas kick and no
gas in open flow test

11/12/05

ORIGINAL

Blow down and clean out the hole open flow test 0

540-50' sh gry firm some brn limestone

550-60' mostly brn limestone, gry shale firm, cg 160 bg 40

560-70' sh gry, ls brn

570-80' sh blk, carbonaceous silty w/ occ gas bubble, 40 unit gas kick on tga 0
open flow, cg 160 units

580-90' sh gry, silty, some gry ls

590-600' aa 90 unit kick w/ bottoms up

600-10' sh blk, coal, pyrite, some minor gas on coal and sh pcs. Gas kick to 112
units

610-20' sh blk, coal, pyrite some lignite, a few gas bubbles

620-40' drill rat hole looking for water production. No noticeable water from
driller, shut down with orders to plug the hole.

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