

GEOLOGICAL REPORT

Hess Oil Company

Stully #1-26

SE SE NW NW Section 26-118S-R1E

Marion County, Kansas

COMMENCED: 10-09-12
 COMPLETED: 10-15-12
 CONTRACTOR: C & O Drilling, Inc.
 SLEEVE OF HOLE: 7 7/8"
 SURFACE PIPE: 2 3/8" 5 5/8"
 CEMENTED WITH: 125 sacks class A
 LONG STRING: None
 CEMENTED WITH: N/A
 R.T.D.: 336'
 STATUS: Dry
 A.I. #: 15-15-21434
 OPERATOR LIC.: 5663
 FIELD: Wildcat
 ELEVATION: 1473 K.B.
 LOSS: None
 MUD SYSTEM: Chemical

William M. Stout
 Geologist
 10-16-12

FORMATION TOPS

Formation	Sample
Heebner	1918-445
Lansing	2155-682
Stark	2433-960
Cherokee	2662-1189
Mississippi	2728-1255
Mississippi Porosity	2736-1263
Kinderhook	2929-1456
Viola	3182-1709
Simpson	3286-1812
Total Depth	3305-1832

SAMPLE DESCRIPTIONS

Mississippi 2728' (-1255)
 2736' - 2745'
 Chert - light brown, opaque, some weathered, fair odor, light stain, show free oil with gas bubbles, some bleeding oil and gas, weathered pin point porosity and few vugs, with fluorescence. Covered by DST #1.
DST #1 2688' - 2750'
 Open tool 30 min. had weak surface blow. Close tool 45 min. Open tool 30 min. had weak surface blow. Close tool 45 min. Recovered 65 feet very slight oil cut mud (1% oil, 99% mud).
 IFP 39 - 59# FFP 63 - 73#
 ISIP 536# FSIP 494#
 HP 1350 - 1325#
 Temp. 98 degrees

Viola 3182' (-1709)
 3182' - 3187'
 Dolomite - brown, gray, medium to coarse crystalline, very dense, calcareous, fair odor, dark stain, slight show free oil - heavy black, trace vugular porosity, no fluorescence. Covered by DST #2.
DST #2 3177' - 3187'
 Open tool 45 min. had fair blow building to 10 inches in bucket. Close tool 45 min. Open tool 45 min. had fair blow building to 5 inches in bucket. Close tool 45 min. Recovered 90 feet water cut mud (50% water, 50% mud), 124 feet water. Chlorides 14,000 ppm.
 IFP 25 - 136# FFP 165 - 232#
 ISIP 1165# FSIP 1173#
 HP 1631 - 1685#
 Temp. 113 degrees

Simpson 3286' (-1812)
 3276' - 3284'
 Limestone - brown, dark brown, fine to medium crystalline, very dense, cherty, dolomitic in part, faint odor, no other shows no visible porosity. Covered by DST #3.
3286' - 3300'
 Sandstone - clear, fine grain, mostly clusters with black - brown stain, no odor, flaky dead oil residue, no show free oil, scattered porosity, some very hard. Covered by DST #3.
3300' - 3305'
 Sandstone - clear, white, fine grain, faint to fair odor, black stain, fair show free oil, plenty black flaky oil residue, no fluorescence, fair porosity. Covered by DST #3.
DST #3 3272' - 3305'
 Open tool 45 min. had fair blow building to 8 inches in bucket. Close tool 45 min. Open tool 45 min. had fair blow building to 7 inches in bucket. Close tool 45 min. Recovered 90 feet water cut mud (30% water, 70% mud), 124 feet mud cut water (90% water, 10% mud), 210 feet water. Chlorides 18,000 ppm.
 IFP 24 - 171# FFP 198 - 229#
 ISIP 1199# FSIP 1185#
 HP 1653 - 1601#
 Temp. 110 degrees

CONCLUSIONS

While there were shows in the Mississippi, Viola and Simpson. All shows were drill stem tested and recovered no oil. The decision was made to plug this hole as dry and abandon.

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

