

Attachment - C-105

Gulf Oil Corporation, H. T. Mattern (NCT-E) No. 13-H, Sec. 12-22-36, Wilcoat.

DEVIATIONS - TOTCO SURVEYS

3/4 - 650'	1 - 4975'	1-3/4 - 7735'
1 - 912	1/2 - 5467	2-1/4 - 7840
1 - 1250	3/4 - 5825	2 - 7905
3/4 - 1500	3/4 - 6045	2-1/2 - 8025
3/4 - 1825	1 - 6155	2-1/4 - 8163
1-3/4 - 2090	1 - 6275	1-1/2 - 8255
1-1/2 - 2179	1-1/4 - 6420	1-1/4 - 8386
1-1/2 - 2367	1 - 6529	1-1/4 - 8620
1-1/2 - 2490	1 - 6620	1-1/2 - 8775
1 - 2656	1-1/2 - 6742	1-1/4 - 8875
1-1/2 - 2790	1-1/2 - 6895	1 - 9080
1/4 - 3030	1-1/2 - 7075	3/4 - 9225
1-1/4 - 3285	2 - 7187	2 - 9400
1 - 3600	1-3/4 - 7310	2-1/4 - 9450
1 - 4184	1-3/4 - 7425	2-1/4 - 9495
0 - 4450	2 - 7495	2 - 9610
1 - 4720	1-1/2 - 7657	

DRILL STEM TESTS

No. 1, 3 hour, 5100-5200'. Tool open with wk blow air, cont'd thruout test. No oil or gas to surf. Rec 680' sulphur wtr, no show oil or gas. HP 2460#. FP 55-330#. 30 min BHP init 1955#, final 1675#.

No. 2, 2 hours, 6550-6630'. Opened tool with med blow, cont'd. thruout test. Rec 400' fluid, 120' gas cut DM & 280' mud cut SW. HP 3270#. Init FP 145#, final FP 245#. 30 min init BHP 2660#, 30 min final BHP 1800#.

No. 3, 2 hour, 6650-6742'. Tool opened with stron blow air. Good blow thruout test. No gas or fluid to surf. Rec 325' fluid, 60' O&G cut DM & 265' gas & salt water cut DM. HP 3205#. Init FP 85#. Final FP 120#. 30 min init BHP 2510#, 30 min final BHP 495#.

No. 4, 2 hour, 8100-8187'. Tool open with stron blow air, Decreasing. Dead in 1 hr 50 min. No gas or fluid to surf. Rec 7250' fluid, 200' mud cut sulphur wtr & 7050' sulphur wtr, no oil. HP 3915#. Init FP 2865#. Final FP 3370#. 30 min init BHP 3370#, 30 min final BHP 3370#.

No. 5, 1-1/2 hour, 8320-8405'. Open tool with stron blow air, cont'd thruout test. No gas or fluid to surface. Rec 6875' fluid, 200' DM & 6675' sulphur wtr. No sho oil. HP 4015#. Init FP 560#. Final FP 2580#. 30 min init BHP 3410#. 30 min final BHP 3300#.

No. 6, 2 hr, 9210-9320'. Weak blow air thruout test. ~~31165~~ Rec 650' fluid, 550' SW cut mud & 100' clean SW. No shows. HP 4570#, init FP 140#, final FP 435#. 30 min init BHP 3495#, final BHP 2850#.

No. 7, 2 hour, 9600-9635'. Tool opened with good blow air, decreasing thruout test. Rec 2450' fluid, 280' O&G cut mud, 1% oil, 2170' O&G cut SW, 1/2 of 1% oil. HP 4860#. Init FP 185#, final FP 1195#. 30 min init BHP 1930#, 30 min final BHP 1835#.

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No. 7, 2 hour, 9600-9635'. Tool opened with mud blowing, decreasing throat test. Rec 2450' fluid, 280' OG cut mud, 12 oil, 1100' OG cut SW, 1/2 of 12 oil. HP 1860%. Int FP 185%, final FP 1930%, 30 min final BHP 1835%.

No. 6, 2 hr, 9310-9350'. Weak blow air throat test. Rec 650' fluid, 250' SW cut mud & 100' clean SW. No shows. HP 1850%, final FP 1850%, 30 min final BHP 1850%.

No. 5, 1-1/2 hour, 8350-8405'. Open tool with strong blow air, cont'd throat test. No gas or fluid to surface. Rec 6875' fluid, 200' DM & 6675' sulphur wt. No sho oil. HP 1015%. Int FP 560%, final FP 575%. 30 min final BHP 310%.

No. 4, 2 hour, 8100-8187'. Tool open with strong blow air, decreasing. Dead in 1 hr 30 min. No gas or fluid to surf. Rec 7550' fluid, 200' mud cut sulphur wt. & 7050' sulphur wt, no oil. HP 3915%. Int FP 825%, final FP 330%.

No. 3, 2 hour, 6650-6715'. Tool opened with strong blow air. Good show throat test. No gas or fluid to surf. Rec 325' fluid, 60' DM cut SW & 255' gas & salt water cut DM. HP 3205%. Int FP 85%. Final FP 120%. 30 min final BHP 250%.

No. 2, 2 hours, 6550-6630'. Opened tool with weak blow, cont'd throat test. Rec 100' fluid, 150' gas cut DM & 280' mud cut SW. HP 3210%. Int FP 115%, final FP 315%. 30 min final BHP 260%, 30 min final BHP 100%.

No. 1, 3 hour, 5100-5200'. Tool open with blow air, cont'd throat test. No oil or gas to surf. Rec 680' sulphur wt, no show oil or gas. HP 2160%. FP 22-330%. 30 min BHP 195%, final 167%.