

Saman Sharifaie
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: Marlin Drilling Co., Inc.
LEASE: Nancy #1-4

FIELD: High Hat
LOCATION: 1500' ENL. & 373' F.W.L.
COUNTY: TWPSP 13S RGE 33W
SECTION: 4
CONTRACTOR: Logana STATE Kansas
MURFIN DRILLING #22

RTD UP: 4/7/70' LITD: 4/7/22'
MUD UP: 3/30/70' TYPE MUD: Chemical

SAMPLES SAVED FROM: 3670' TO RTD
DRILLING TIME KEPT FROM: 3675' TO RTD
SAMPLES EXAMINED FROM: 3670' TO RTD
GEOLOGICAL SUPERVISION FROM: 3370'

REFERENCE WELL: MD/C1 - LANA #1-5

ELEVATIONS: KB 3046'
DE: _____
GL: 3025'
Measurements Are All From Kelly Bushing

CASING: CONDUCTOR: _____
SURFACE: 8-5/8" at 224'
PRODUCTION: 5-1/2" at 4167'

FORMATION TABLE with columns: Formation, Sample Tops, E-log Tops, Strat. Pos.

REMARKS: Due to fair to good shows of oil in multiple pay zones and positive DST results, it is recommended and agreed upon by all parties that production casing be set to further evaluate this well.
Respectfully Submitted,
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Main well log section containing: Curve Track 1 (ROP, Gamma, Caliper), Lithology, Geological Descriptions (Anhydrite 2524, Base 2549, etc.), Engineering Data (Morgan Mud @ 3754', DST #1-7, etc.), and various logs.

Additional notes and remarks at the bottom of the log, including deviation survey data and well completion details.