

## Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: MARTHA #1

Location: NE SE NW NE SECTION 17 12S 19W

License Number: 5663, API# 15-051-26619 Region: KINGMAN CO. KS.

Surface Coordinates: 900' FROM NORTH LINE OF SECTION

1450' FROM EAST LINE OF SECTION

Bottom Hole 900' FROM NORTH LINE OF SECTION Coordinates: 1450' FROM EAST LINE OF SECTION

Ground Elevation (ft): 2204' K.B. Elevation (ft): 2209' Logged Interval (ft): 3200' To: 3814' Total Depth (ft): 3814'

Formation: ARBUCKLE

Type of Drilling Fluid: SELF SERVICE, CHEMICAL

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

#### **OPERATOR**

Company: HESS OIL COMPANY

Address: PO BOX 1009

MCPHERSON, KANSAS 67460-1009

(316) 263-2243

### **GEOLOGIST**

Name: DAVID GOULD (LOGGER)

Company: DMT COMPANY Address: 532 SUNRISE

PRATT, KANSAS 67124

(620) 388-2847

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Comments
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# CCONTRACTOR: MALLARD Rig #1

## **BIT RECORD:**

#A 12 1/4", RT, RR, 0-217'

#1 7 7/8", F27, PY8284, 217'-3563'

#2 7 7/8", F27, RR, 3563-

### SURVEYS:

217', 1 DEGREE

3265', 1 1/2 DEGREE

3600', 2 DEGREE

## DAILY STATUS: (7:00 AM)

10/18/2013, RIG UP, SET 8 5/8" 2# @ 217'

10/19/2013, 230' DRILL AHEAD

10/20/2013, 2064, DRILL AHEAD

10/21/2013, 2724, DRILL AHEAD

10/22/2013, 3265, DST #1, DRILL AHEAD

10/23/2013, 3453 DRILL AHEAD, DST #2

10/24/2013, 3583' DRILL AHEAD TO 3600', LOSS FLUID, DST #3

10/25/2013, 3702', DST #4, DRILL AHEAD

10/26/2013, 3800, DST #5, DRILL AHEAD

Well Name & No.: Martha #1 Company: Hess Oil Co. Test No.: 1 Interval Tested: 3232 - 3265

Zone Tested: Topeka Times: 45-45-45

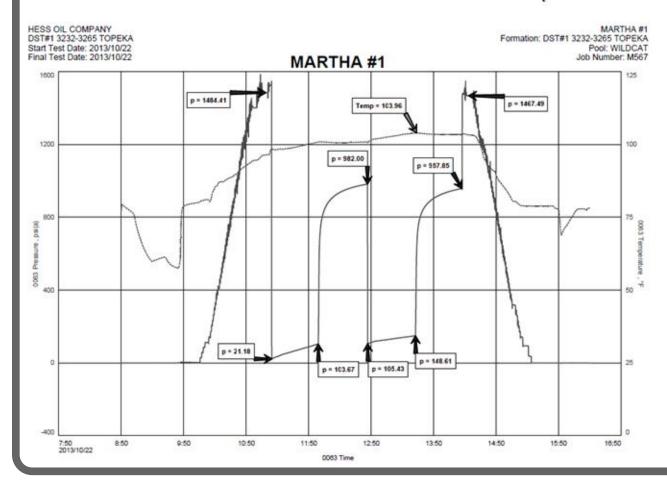
Blow Description: IFP: SSB, 1" Right Away, Built to 10 1/4" ISI: No BB FFP: No Blow, Ten After 2 Min A

Very Weak Surface Blow That Increased To 8 1/2" FSI: No BB

Rec: 300' Feet of GMW 1% Gas 80% Water, 19% Mud Rec. Total: 300', BHT: 104 Gravity: N/A

Initial Hydrostatic: 1484 First Initial Flow: 21 First Final Flow: 104 Initial Shut-In: 982

Second Initial Flow: 105 Second Final Flow: 149 Final Shut-In: 958 Final Hydrostatic: 1467



Well Name & No.: Martha #1 Company: Hess Oil Co. Test No.: 2 Interval Tested: 3491 - 3563

Zone Tested: Lansing Times: 60-45-60-45

Blow Description: IFP: GSB, That Inc. To 1 1/4" in 15 Min., Then Diminishing Until Dead @ 41 Min. ISI:

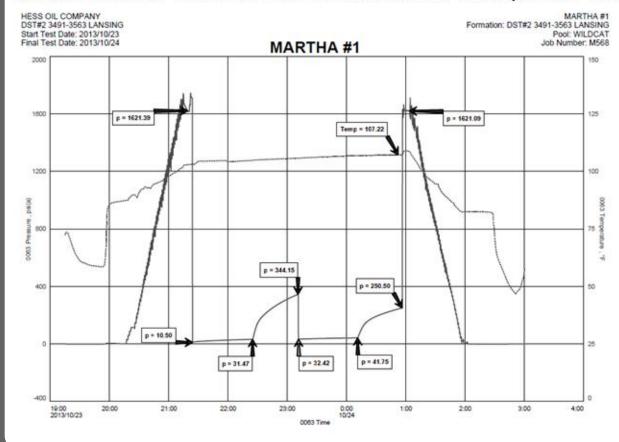
No BB FFP: No Blow FSI: No BB

Rec: 59' Feet of VSOSGM 100% Mud W/A Few Spots Of Oil & Gassy Bubbles & Odor Rec. Total: 59',

BHT: 107 Gravity: N/A

Initial Hydrostatic: 1621 First Initial Flow: 11 First Final Flow: 31 Initial Shut-In: 344

Second Initial Flow: 32 Second Final Flow: 42 Final Shut-In: 251 Final Hydrostatic: 1621



Well Name & No.: Martha #1 Company: Hess Oil Co. Test No.: 3 Interval Tested: 3491 - 3600

Zone Tested: Lansing Times: 30-60-60-60

Blow Description: IFP: SSB, 6" Right Away, BOB 2 Min., ISI: No BB FFP: SSB, 2" Right Away, BOB 9

Min. FSI: No BB

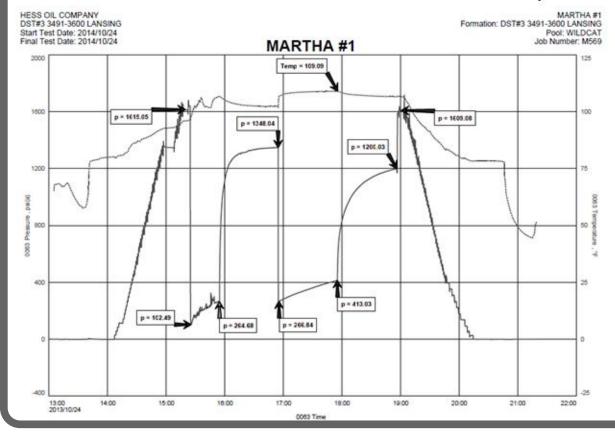
Rec: 325' Feet of DM 100% Mud, 126 Feet of GM 1% Gas, 99% Mud W/Some Specks of Oil, Slight Odor,

426 Feet of VSOSGWM 2% Gas, 76% WTR, 22% Mud W/a Scum of Oil Rec. Total: 877', BHT: 109

Gravity: N/A

Initial Hydrostatic: 1615 First Initial Flow: 102 First Final Flow: 265 Initial Shut-In: 1348

Second Initial Flow: 267 Second Final Flow: 413 Final Shut-In: 1200 Final Hydrostatic: 1609



Well Name & No.: Martha #1 Company: Hess Oil Co. Test No.: 4 Interval Tested: 3611 - 3702

Zone Tested: Lansing Times: 60-45-60-45

Blow Description: IFP: SSB, Inc. to 1" in 9 Min. Then Maintained An Increasingly Intermittent 1" Blow,

ISI: No BB FFP: Maintained An Intermittent Surface Blow Throughout FSI: No BB

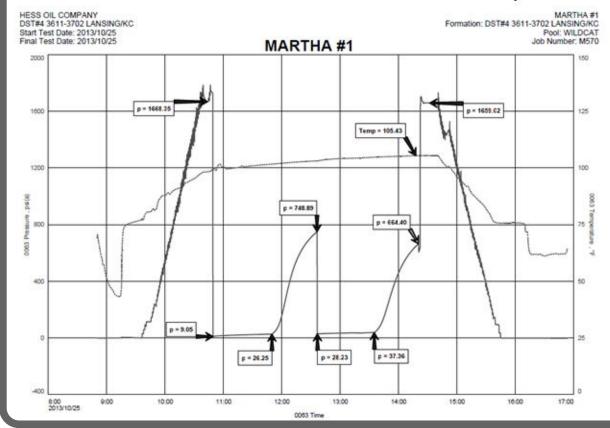
Rec: 59' Feet of VSOSGM 1% Gas, 99% Mud W/Some Specks of Oil, Slight Odor,

426 Feet of VSOSGWM 2% Gas, 99% Mud W/a Thin Scum of Oil & A Trace of WTR Rec. Total: 59',

BHT: 105 Gravity: N/A

Initial Hydrostatic: 1668 First Initial Flow: 9 First Final Flow: 26 Initial Shut-In: 749

Second Initial Flow: 28 Second Final Flow: 37 Final Shut-In: 664 Final Hydrostatic: 1659



Well Name & No.: Martha #1 Company: Hess Oil Co. Test No.: 5 Interval Tested: 3759-3800

Zone Tested: Cong. Times: 30-30-3-Pulled

Blow Description: IFP: DM 100% Mud, ISI: No BB FFP: No Blow FSI: N/A

Rec: <1' Feet of DM 100% Mud, Rec. Total: <1', BHT: 106 Gravity: N/A

Initial Hydrostatic: 1773 First Initial Flow: 8 First Final Flow: 9 Initial Shut-In: 39

Second Initial Flow: 9 Second Final Flow: 10 Final Shut-In: Unknown Final Hydrostatic: 1746

