



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1171446

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hess Oil Company
Well Name	Martha 1
Doc ID	1171446

Tops

Name	Top	Datum
Anhydrite	1540	+669
Base Anhydrite	1587	+622
Topeka	3225	-1016
Heebner	3456	-1247
Lansing	3499	-1290
Base Kansas City	3738	-1529
Conglomerate	3776	-1567
Arbuckle	3798	-1589
RTD	3814	-1605



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  
Spud Date: 10/18/2013  
Surface Coordinates: 900' FROM NORTH LINE OF SECTION  
1450' FROM EAST LINE OF SECTION  
Bottom Hole Coordinates: 900' FROM NORTH LINE OF SECTION  
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

Region: KINGMAN CO. KS.  
Drilling Completed: 10/26/2013

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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

Comments

**CONTRACTOR:**  
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: 45-45-45-45

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

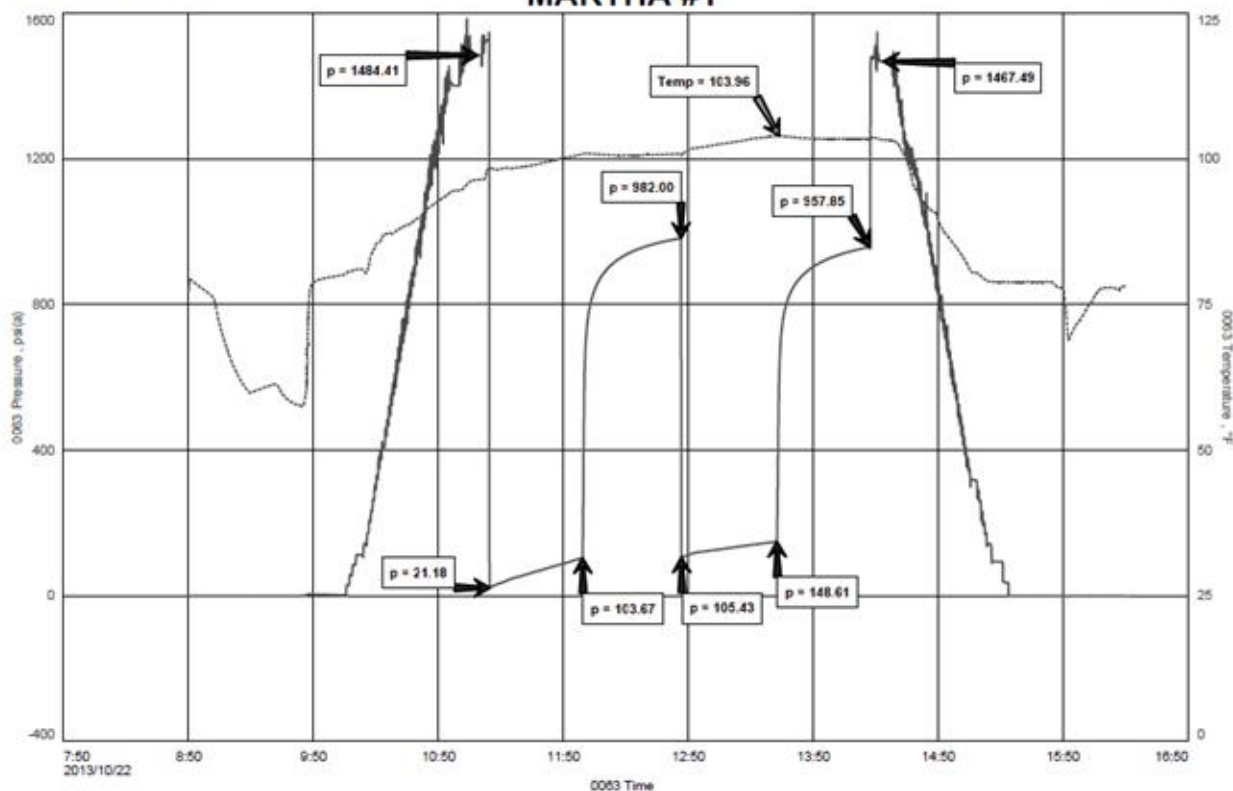
Initial Hydrostatic: 1484 First Initial Flow: 21 First Final Flow: 104 Initial Shut-In: 982

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

HESS OIL COMPANY  
DST#1 3232-3265 TOPEKA  
Start Test Date: 2013/10/22  
Final Test Date: 2013/10/22

MARTHA #1  
Formation: DST#1 3232-3265 TOPEKA  
Pool: WILDCAT  
Job Number: M567

### MARTHA #1



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

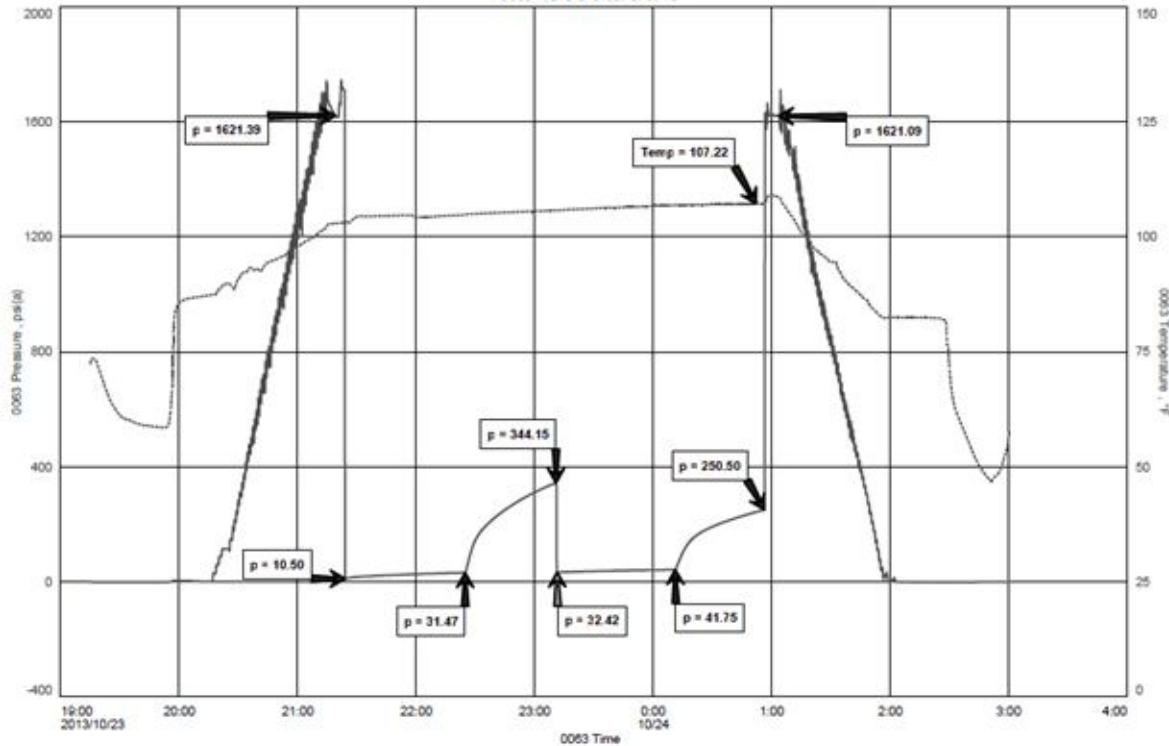
Initial Hydrostatic: 1621 First Initial Flow: 11 First Final Flow: 31 Initial Shut-In: 344

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

HESS OIL COMPANY  
DST#2 3491-3563 LANSING  
Start Test Date: 2013/10/23  
Final Test Date: 2013/10/24

MARTHA #1  
Formation: DST#2 3491-3563 LANSING  
Pool: WILDCAT  
Job Number: M568

### MARTHA #1



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

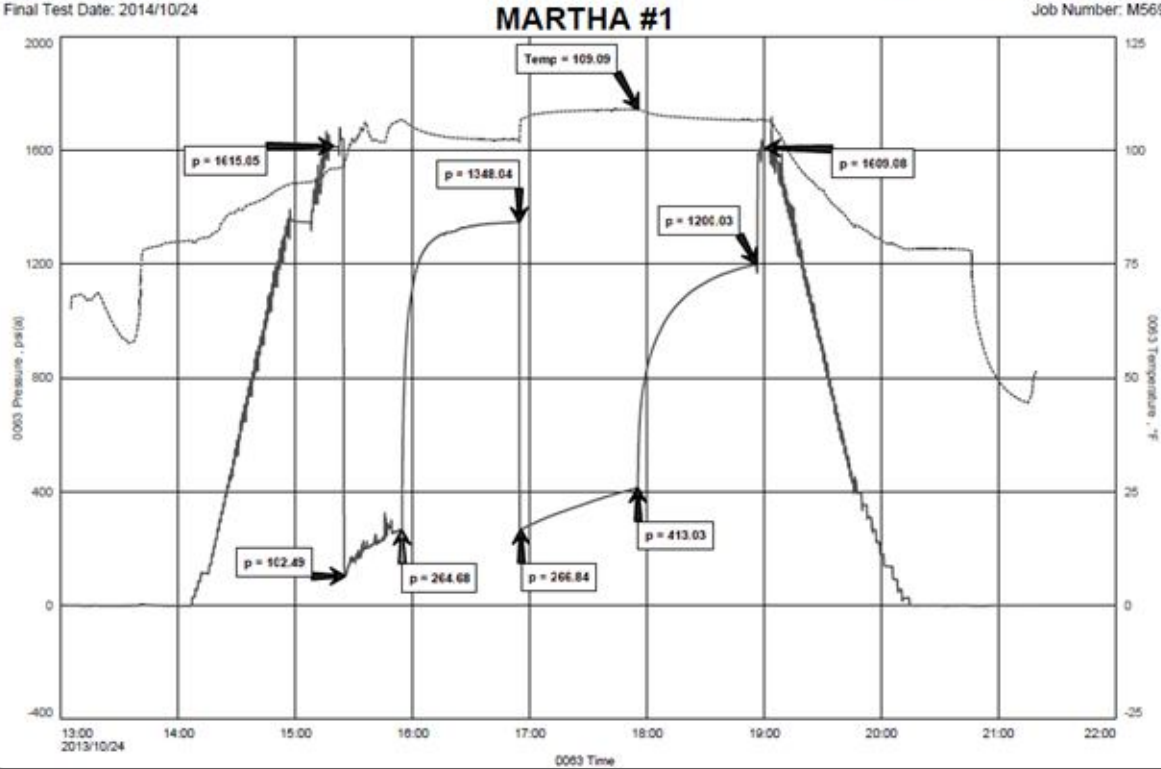
Rec: 325' Feet of DM 100% Mud, 126 Feet of GM 1% Gas, 99% Mud W/Some Specks of Oil, Slight Odor, 426 Feet of VSOSGWM 2% Gas, 76% WTR, 22% Mud W/a Scum of Oil Rec. Total: 877', BHT: 109 Gravity: N/A

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

HESS OIL COMPANY  
DST#3 3491-3600 LANSING  
Start Test Date: 2014/10/24  
Final Test Date: 2014/10/24

MARTHA #1  
Formation: DST#3 3491-3600 LANSING  
Pool: WILDCAT  
Job Number: M569





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,

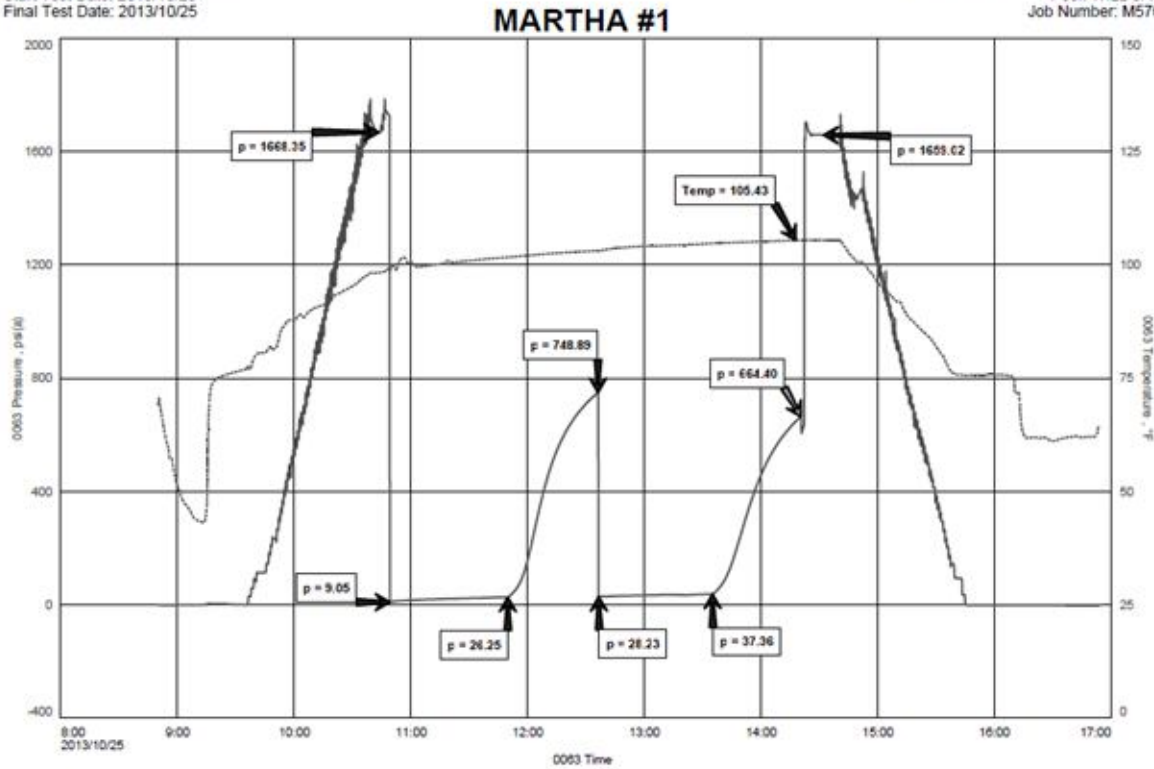
426 Feet of VSOSGWM 2% Gas, 99% Mud W/a Thin Scum of Oil & A Trace of WTR Rec. Total: 59',  
BHT: 105 Gravity: N/A

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

HESS OIL COMPANY  
DST#4 3611-3702 LANSING/KC  
Start Test Date: 2013/10/25  
Final Test Date: 2013/10/25

MARTHA #1  
Formation: DST#4 3611-3702 LANSING/KC  
Pool: WILDCAT  
Job Number: M570



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

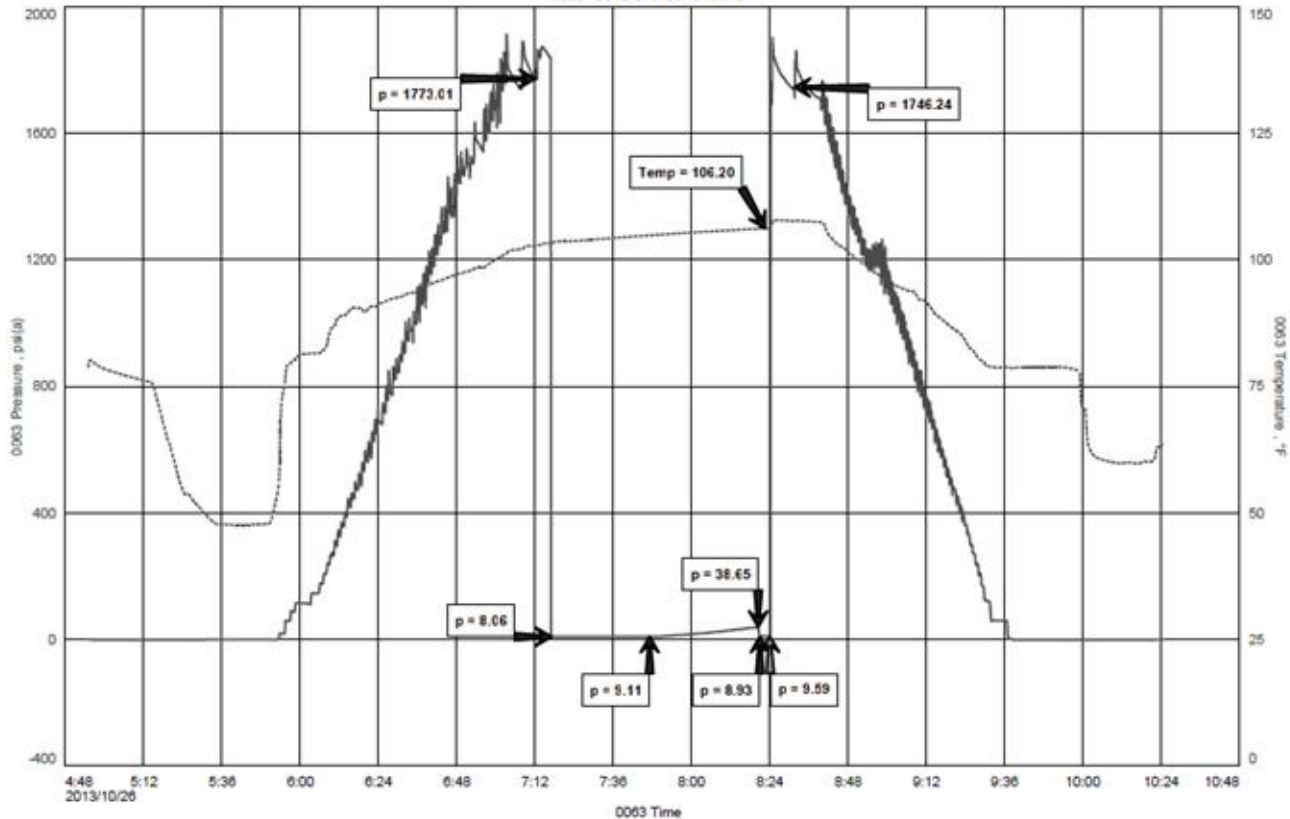
Initial Hydrostatic: 1773 First Initial Flow: 8 First Final Flow: 9 Initial Shut-In: 39

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

HESS OIL COMPANY  
DST#5 3789-3800 CONGL  
Start Test Date: 2013/10/26  
Final Test Date: 2013/10/26

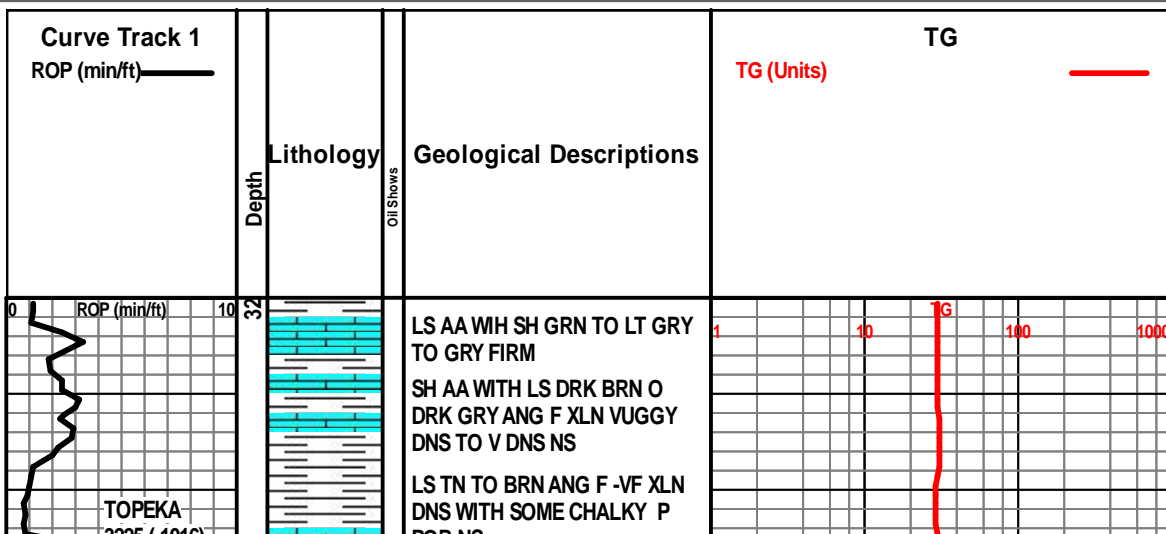
MARTHA #1  
Formation: DST#5 3789-3800 CONGL  
Pool: WILDCAT  
Job Number: M571

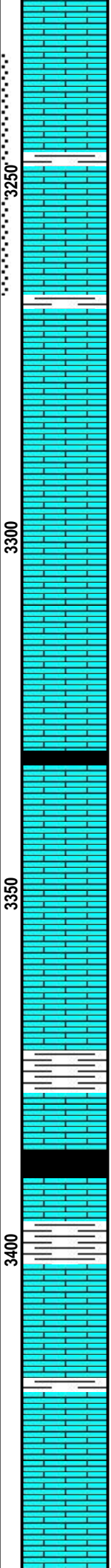
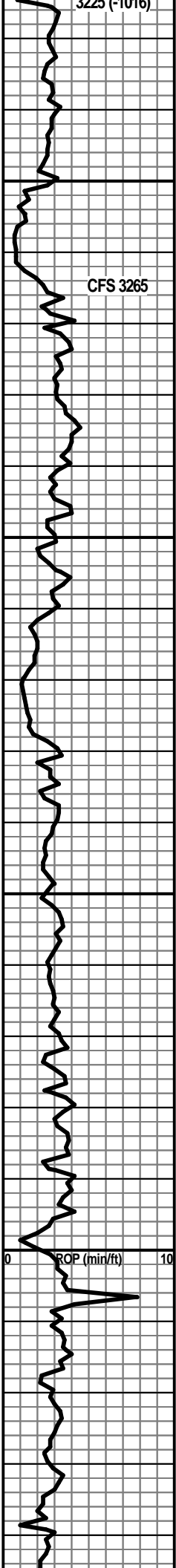
### MARTHA #1



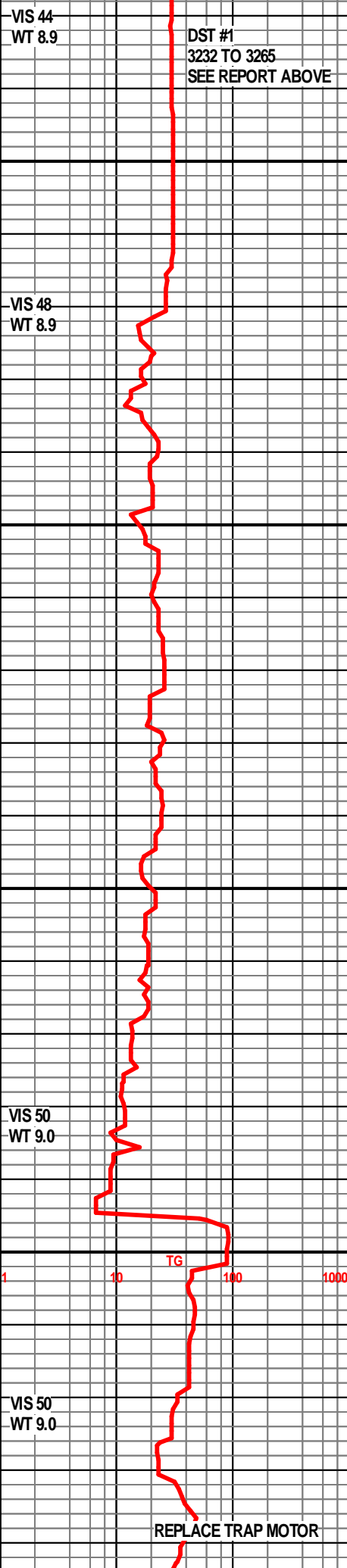
### ROCK TYPES

	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Coal		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till





POR NS  
 NO SAMPLE  
 LS TN TO BRN ANG F XLN DNS  
 VERY SLIGHT STAIN N FLOR N  
 CUT N ODOR  
  
 LS TN TO BRN ANG DNS NS  
 WITH LS OFF WHT TO CRM  
 ANG CHALKY SOFT WITH LS  
 OFF WHT TO LT TN ANG F XLN  
 F POR SLIGHT STAIN F-G FLOR  
 GOOD CUT WHEN BROKE N  
 ODOR  
  
 LS TN TO BRN ANG F XLN  
 VUGGY FOSS DNS NS WITH LS  
 GRY ANG F XLN DNS NS WITH  
 TR PYRITE  
  
 LS TN TO LT BRN ANG F XLN  
 DNS WITH SOME CHALKY NS  
 WITH SH GRY O DRK GRY FIRM  
  
 LS TN TO LT BRN ANG F XLN  
 DNS WITH F POR NS  
  
 LS AA WH LS OFF WHT TO  
 CRM VF XLN CHALKY SOFT  
  
 LS TN TO BRN ANG F XLN DNS  
 SOME SLIGHTLY VUGGY FOSS  
 NS  
  
 LS AA WITH SH DRK GRY TO  
 BLK CARB  
  
 LS BRN TO DRK BRN ANG F  
 XLN DNS TO V DNS NS  
  
 LS OFF WHT TO CRM ANG F  
 XLN DNS SOME SLIGHTLY  
 CHERTY NS  
  
 LS AA WITH LS LT GRY ANG F  
 XLN DNS NS WITH CHERT GRY  
 SHARP V DNS  
  
 LS TN TO LT GRY ANG F XLN  
 DNS NS WITH R PYRITE  
  
 LS AA WITH SH DRK GRY TO  
 BLK CARB  
  
 LS TN TO BRN TO DRK BRN  
 ANG F XLN DNS TO V DNS  
 WITH INERBEDED PYRITE NS  
  
 LS AA WITH FOSS AND  
 INERBEDED DRK GRY SH  
  
 LS TN TO OFF WHT ANG F XLN  
 VP POR F-G FLOR G CUT  
 WHEN BROKEN SLIGHT STAIN  
 N FREE OIL V SLIGHT TO N  
 ODOR  
  
 LS TN TO OFF WHT ANG F XLN  
 P-G POR WITH SOME  
 INERBEDED CHERT F-G FLOR  
 G CUT WHEN BROKEN SLIGHT  
 STAIN N FREE OIL V SLIGHT TO  
 N ODOR WITH CHERT DRK GRY  
 SHARP V DNS

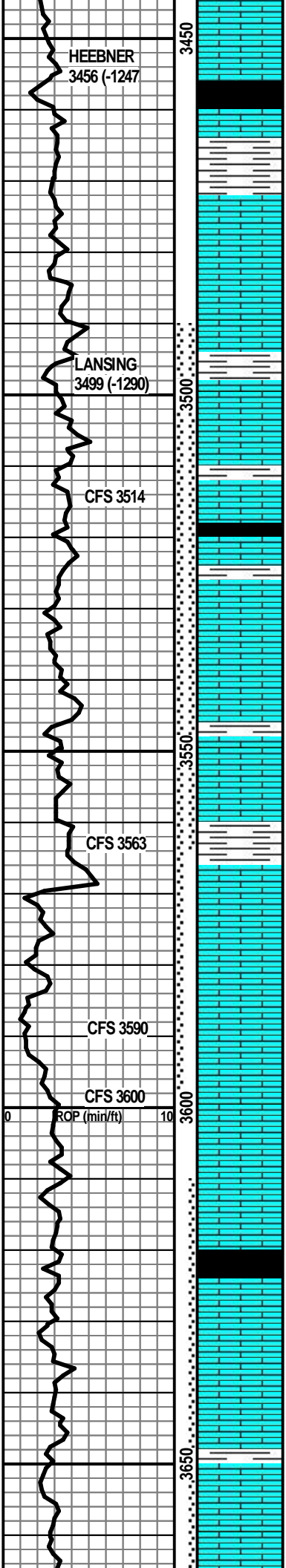


DST #1  
 3232 TO 3265  
 SEE REPORT ABOVE

VIS 44  
 WT 8.9  
  
 VIS 48  
 WT 8.9  
  
 VIS 50  
 WT 9.0

VIS 50  
 WT 9.0

REPLACE TRAP MOTOR



LS CRM TO TN ANG F XLN DNS WITH SH DRK GRY TO BLK CARB

LS AA WITH SH GRY FIRM

AA WITH LS OFF WHT TO CRM VF XLN CHALKY SOFT

LS TN TO LT GRY ANG F XLN DNS NS WITH TR PYRITE WITH SH GRN TO GRY FIRM MOSLY LS TN AA

LS CRM TO TN ANG F XLN DNS WITH SOME SLIGHTLY CHALKY SOFT NS

LS CRM TO LT TN ANG F XLN F-G POR F FLOR G CUT F STAIN V SLIGHT ODOR

LS CRM TO LT TN ANG F XLN P POR F FLOR G CUT P STAIN V SLIGHT ODOR WITH LS TN O BRN TO GRY ANG F XLN DNS FOS WITH SH DRK GRY TO BLK CARB

LS OFF WHT TO LT TN ANG F XLN DNS F-P POR GOOD SHOW OF FREE OIL SLIGHT STAIN F ODOR G FLOR G CUT

LS LT TN TO LT GRY ANG F XLN DNS SOME G POR GOOD ODER G SHOW OF FREE OIL G FLOR G CUT

LS CRM TO TN ANG F-M XLN G POR V GOOD STAIN VG SHOW OF FREE OIL VG FLOR VG CUT

LS TN ANG F-M XLN VERY FOSS DNS F-G STAIN F SHOW OF FREE OIL G FLOR G CUT G ODOR

LS AA WITH SH GRY TO DRK GRY FIRM WITH LOTS OF PYRITE WITH LS TN TO LT TN ANG F-M XLN DNS F-G POR G FLOR G CUT G SHOW OF FREE OIL F ODOR

LS AA WITH LS TN TO OFF WHT ANG F-M XLN DNS WITH LESS SHOW OF OIL

LS CRM TO TN TO LT GRY ANG F XLN DNS WITH SOME SLIGHTLY CHALKY SOFT

LS TN TO LT GRY ANG F XLN DNS NS

LS BRN TO DRK BRN ANG F XLN DNS TO V DNS NS WITH TR PYRITE WITH SH DRK GRY TO BLK

LS BRN TO DRK BRN ANG F XLN DNS P FLOR G CUT F ODOR F STAIN WITH CHERT WHT TO GRY SHARP WITH SH BLK CARB

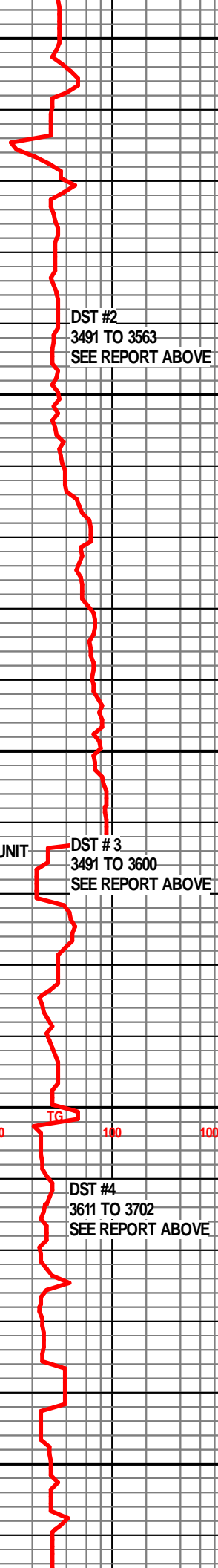
LS TN TO LT BRN ANG DNS WITH P POR F-P STAIN SLIGHT SHOW OF FREE OIL SLIGHT ODOR INERBEDDED PYRITE

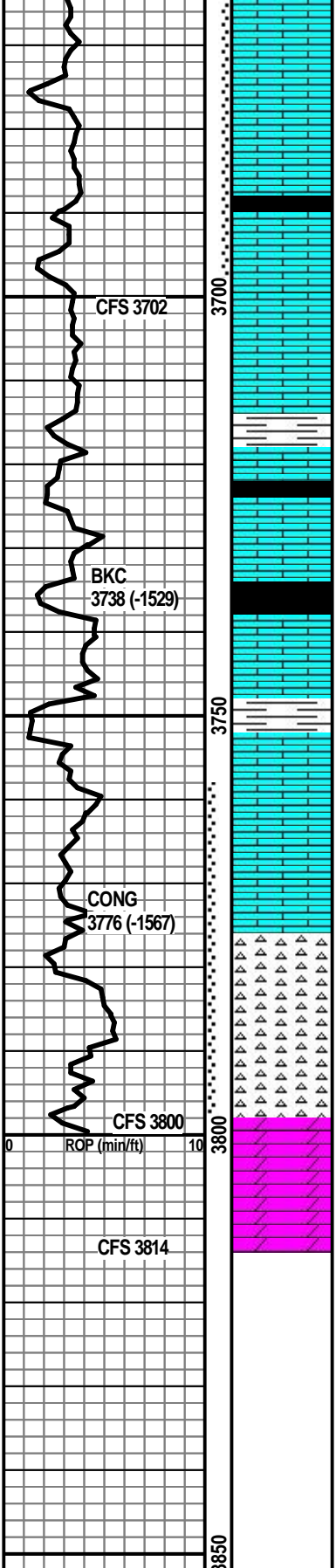
LS AA WITH SOME BEING FOSS

DST #2  
3491 TO 3563  
SEE REPORT ABOVE

ZERO UNIT  
DST #3  
3491 TO 3600  
SEE REPORT ABOVE

DST #4  
3611 TO 3702  
SEE REPORT ABOVE





WITH G STAIN G FLOR F-G CUT  
SLIGHT ODOR NO FREE OIL

LS AA WITH LS TN F XLN FOSS  
F-P POR SOME G STAIN F-P  
FLOR F CUT NO FREE OIL TR  
PYRITE WITH SH BLK CARB

LS TN ANG F XLN SLIGHTLY  
OOLIC DNS F STAIN FREE OIL  
G FLOR G CUT F ODOR WITH  
LS LT GRY ANG F XLN F-G POR  
GOOD SHOW OF FREE OIL G  
FLOR G CUT SLIGHT ODOR

LS CRM TO TN TO LT GRY ANG  
F XLN DNS WITH SOME  
SLIGHTLY CHALKY SOFT WITH  
SH BLK CARB

LS LT GRY ANG F XLN DNS  
WITH LS LT TN ANG F XLN  
FOSS NS

LS AA WITH SH GRY TO BLK  
FIRM

LS LT GRY ANG F XLN DNS  
WITH LS LT TN ANG F XLN  
FOSS NS WITH SH RED TO GRY  
SOFT

SH AA WITH LS TN ANG F XLN  
DNS NS

LOT OF SH RED TO BRN ANG  
FIRM WIH SOME BEING SOFT  
LS MULTI COLORED F-M XLN  
SOME C XLN MOSTY DNS SOME  
SLIGHTLY CHALKY NS WITH  
CHERT GRY SHARP V HD

CHERT WHT TO GRY ANG  
SHARP VG OIL STAIN V SLIGHT  
ODOR V PAL FLOR G CUT  
SOME FREE OIL

CHERT AA SLIGHT ODOR PAL  
FLOR G CUT GOOD SHOW OF  
FREE BLK OIL VG STAIN

DOL BRN ANG LIMLY F-VF XLN  
V DNS NS

VIS 48  
WT 8.9  
WL 7  
Ph 9.0  
CL 7,000

DST #5  
3759 TO 3800  
SEE REPORT ABOVE

VIS 52  
WT 9.0

TG 1 10 100 1000



# ALLIED OIL & GAS SERVICES, LLC 061918

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE <u>10-18-13</u>	SEC. <u>17</u>	TWP. <u>12</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30pm</u>	JOB FINISH <u>10pm</u>
LEASE <u>Martha</u>		WELL # <u>1</u>		LOCATION <u>170 + 40 stamento ext.</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>N to stop sign, W, 3/4 N, W into</u>				

CONTRACTOR Mullard  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/2 T.D.  
 CASING SIZE 8 7/8 DEPTH 217  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15 cr  
 PERFS.  
 DISPLACEMENT 12.86 bbbls Freshwater

OWNER  
 CEMENT  
 AMOUNT ORDERED 150 SKS Class A 3 1/2 cc  
2 1/2% gel

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
		@	
		@	
		@	
		@	
HANDLING	<u>162.09</u>	@ <u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4 X 25 X</u>	@ <u>2.60</u>	<u>481.00</u>
TOTAL			<u>3,958.18</u>

EQUIPMENT  
 PUMP TRUCK CEMENTER Josh Tracc  
 # 366 HELPER Charis Kemp  
 BULK TRUCK  
 # 607-112 DRIVER Dan Casper  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

On location - Rig up - had safety meeting  
Run 8 7/8 casing, break circulation with rig and  
pump 5 bbbls freshwater ahead  
Mix 150 SKS Class A 3 1/2 cc 2% gel  
Displace 12.86 bbbls freshwater  
shut in  
Cement did circulate  
Rig down

**SERVICE**

DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>1512.35</u>		
EXTRA FOOTAGE	@		
MILEAGE	<u>Hum 25</u>	@ <u>7.70</u>	<u>192.50</u>
MANIFOLD	@		
	<u>Hum 25</u>	@ <u>4.40</u>	<u>110.00</u>
	@		

TOTAL 1,814.75

CHARGE TO: Hess Oil Co  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

	@		
	@		
	@		
	@		
	@		

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 5,772.93  
1,154.58  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
4,618.35

PRINTED NAME X Frank Symank  
 SIGNATURE X Frank Symank

Thank you!!

