KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1161962

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5663
Name: Hess Oil Company
Address 1: PO BOX 1009
Address 2:
City: MCPHERSON State: KS Zip: 67460 + 1009
Contact Person: Bryan Hess
Phone: (620) 241-4640
CONTRACTOR: License # 4958
Name: Mallard, J. V., Inc.
Wellsite Geologist: Roger L. Martin
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

7/19/2013	7/27/2013	7/28/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26569-00-00
Spot Description:
NE - NW - SW - SW Sec. 33 Twp. 11 S. R. 18 [ ] East [x] West
1148 Feet from [ ] North / [x] South Line of Section
434 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Ellis
Lease Name: JJ Well #: 1-33
Field Name:
Producing Formation: na
Elevation: Ground: 2064 Kelly Bushing: 2067
Total Depth: 3717 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 218 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 10/09/2013

Side Two

[redacted] 1161962

Operator Name: Hess Oil Company Lease Name: JJ Well #: 1-33

Sec. 33 Twp. 11 S. R. 18 ☐ East ☑ West County: Ellis

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Electric Log Submitted Electronically *(If no, Submit Copy)*	☑ Yes	☐ No

List All E. Logs Run:

Dual Compensated Porosity
Dual Induction

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
surface	12.25	8.625	20	218	Class A	150	2% gel, 3% cc

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 *(Amount and Kind of Material Used)*	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Hess Oil Company
Well Name	JJ 1-33
Doc ID	1161962

Tops

Name	Top	Datum
Anhydrite	1369	+698
Base Anhydrite	1408	+659
Topeka	3073	-1006
Heebner	3303	-1236
Toronto	3330	-1263
Lansing	3351	-1284
Stark	3537	-1470
Swope	3546	-1479
Base Kansas City	3586	-1519
Cherty Conglomerate	3649	-1582
LTD	3718	-1651

ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY HESS OIL COMPANY

LEASE JJ #1-33

FIELD

LOCATION 1148' FSL & 434' FWL

SECTION 33 TOWNSHIP 11S RANGE 18W

COUNTY ELLIS STATE KANSAS

ELEVATIONS

KB 2067' GL 2062'

Measurements Are All From KB

API 15-051-26569-00-00

CONTRACTOR MALLARD DRILLING

SPUD 07/19/2013 COMP 07/28/2013

RTD 3717' (-1650) LTD 3718' (-1651)

ELECTRICAL SURVEYS

Pioneer Energy Services: DIL, CNL/CDL

CASING

SURFACE 8&5/8" set @ 218' w/150 sx Class A, 2% gel, 3% cc

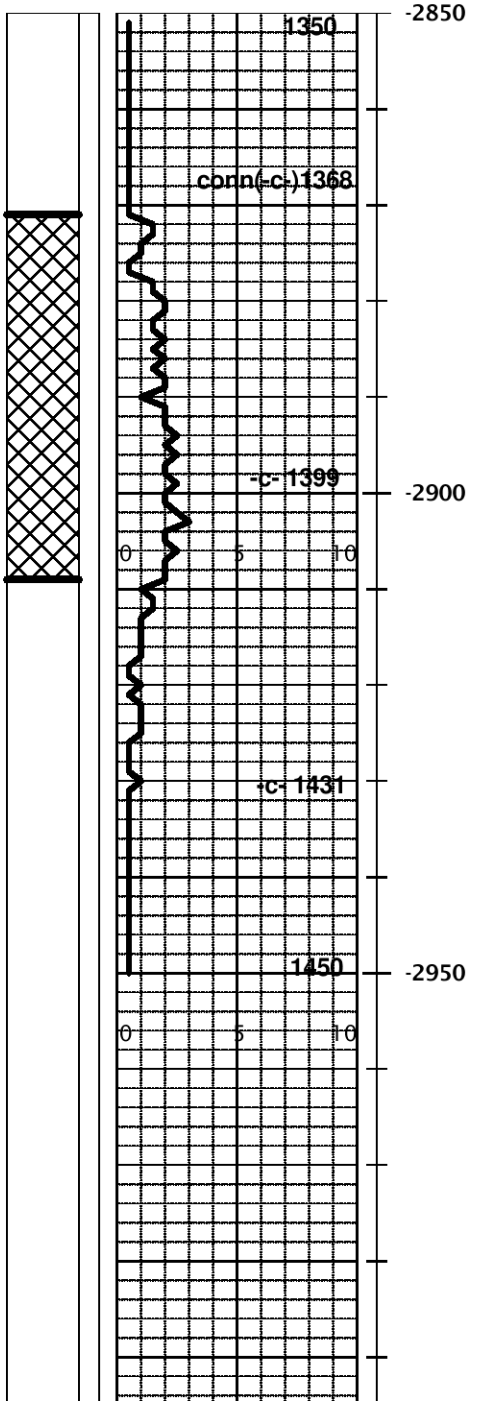
PRODUCTION N/A- P&A

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
			07/19/2013- Moved in Mallard Drilling rig.
STONE CORRAL/ANHYDRITE	1369' (+698)	1371' (+696)	Spudded @ 10:00 PM.
			07/20/2013- Drilled to 218' and ran 5 jts 8-5/8"x
BASE STONE CORRAL/ANHYDRITE	1408' (+659)	1409' (+658)	20# x 211' surface casing. Set @ 218' and
			cemented w/150 sx class A, 2% gel, 3%cc.
TOPEKA	3073' (-1006)	3073' (-1006)	CDC. PD @ 10:00 AM 07/20/13.
			07/21/2013- Drilling ahead @ 1130'.
HEEBNER	3303' (-1236)	3305' (-1238)	07/22/2013- Drilling @ 2215'.
			07/23/2013- Drilling @ 2905'.
TORONTO	3330' (-1263)	3330' (-1263)	07/24/2013- Drilled to 3435'. Ran DST #1.
			07/25/2013- Drilled to 3592'. DST #2.
LANSING	3351' (-1284)	3351' (-1284)	07/26/2013- CFS @ 3640'.
			07/27/2013- Drilled to 3717' RTD. No Arbuckle
STARK	3537' (-1470)	3537' (-1470)	found. Decided to stop and recheck Lansing
			to see exactly where the oil came from. Ran
SWOPE	3546' (-1479)	3547' (-1480)	electric logs to determine where to straddle
			test in Lansing. Ran DST #3. Ran DST #4.
BASE KANSAS CITY	3586' (-1519)	3585' (-1518)	Recoveries not sufficient for a commercial well.
			Decided to Plug.
CHERTY CONGLOMERATE	3649' (-1582)	3648' (-1581)	
			Plugged hole w/205 sx 60/40 pozmix, 4% gel, 1/4
LTD/RTD	3718' (-1651)	3717' (-1650)	floseal per sack as follows: 25 sx @ 1400', 100 sx
			@ 775', 40 sx @ 250', 10 sx @ 40', 30 sx RH.
			No MN. PD @ 12:30 AM 07/28/2013.

REMARKS: The decision was made to plug and abandon the JJ #1-33.

Respectfully submitted,
Roger L. Martin, Geologist

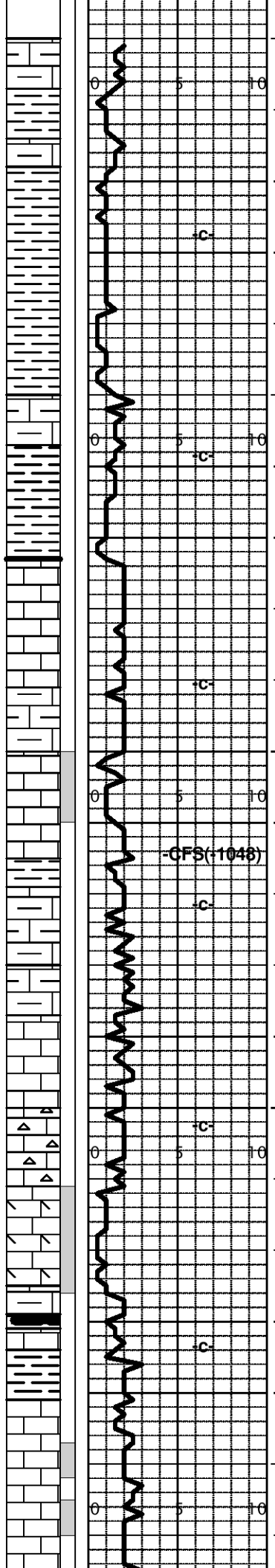
LITH | POROSITY | DRILLING TIME MIN/FT | DST | SAMPLE DESCRIPTION | REMARKS



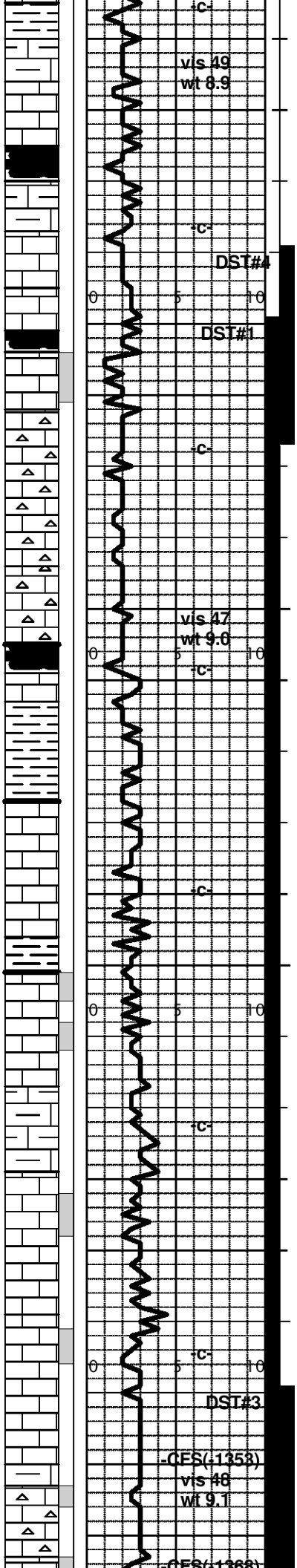
1371' (+696)
STONE CORRAL ANHYDRITE
[Corrected from Driller's pick @ 1377' (+690)]

1409' (+658)
BASE/ SC ANHY
[Corrected from Drlr's pick @ 1412'(+655)]

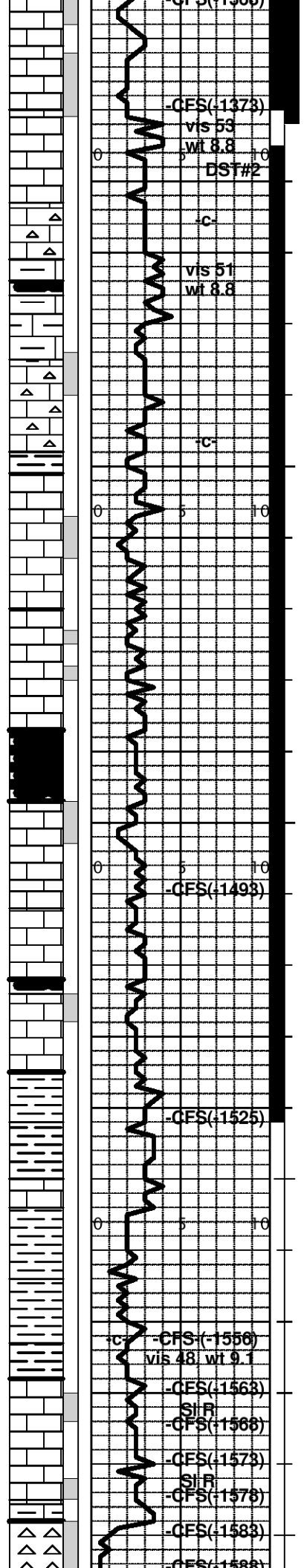
MUD CHECKS by MUD-CO:
@ 2962':
WT 8.7, VIS 41
PV 9, YP 16
WL 8.0, pH 11.5
Cl 2100, LCM 2#



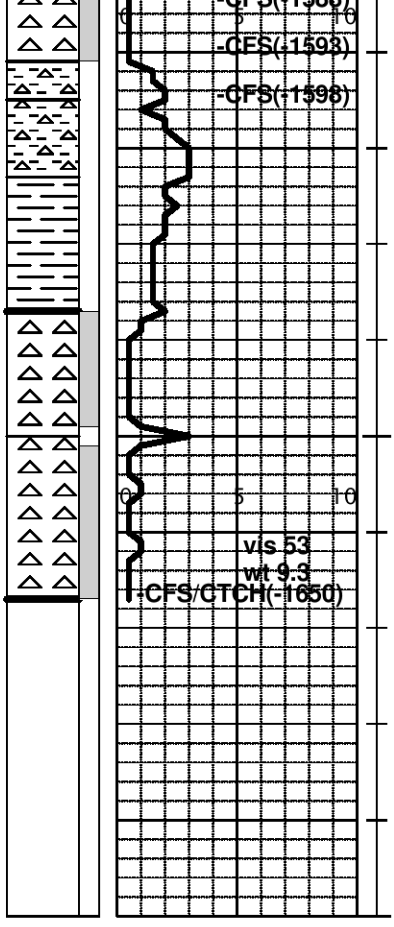
LS: gy-tn-cm, dn & Pkst w/Pr- NVP, NS & argil- shly.		
SH: gy- blk, sm carb. (LS: AA)		
LS: tn-gy, dn- fnx, VPr- NVP, argil, NS.		
SH: AA.		
{TOPEKA} LS: cm-tn-gy, mx- fnxln, VRr prt Mdxln- sm 2nd ReX, Pr- NVP w/NS. sm wh-chlky, VRr fn oomldc w/Fr- Gd Por w/ NS.	**3073' (-1006) TOPEKA**	
LS: AA, Pred dn & argil- shly & SH: AA.		
LS: gy-tn-wh, mx- Vfnxln, sm Sl dolomc, sm grnlr Pkst, Pr- Fr IX Por, IGr Por, Trc OSTN, NFO. sm chlky, Abndt dn- VPr- NVP & argil.	*** 10' DRILLING SAMPLES***	
SH: AA & blk carb.		
LS: dn & argil & chlky & grnlr Pkst, Pred Pr- NVP, NS. SH: AA.		
LS: dn & argil & chlky w/Pred VPr- NVP, NS.		
LS: cm-tn-gy, mx- Vfnxln, sm fos Pkst, Sl Cherty, sm dn, Rr chlky, Pr- NVP, NS.		
LS: AA, sm mot- Pkst & mx- fnxln w/Fr Por: IGr Por, IX Por, NS, Cherty.		
DOLO LS: bf-tn, mx- fnxln- sucro & grnlr w/Fr- Gd IX Por, NFO, NC, NS.		
sm argil DLS & LS.		
SH: blk carb & LS: dn Mdst.		
SH: gn-gy-rd.		
LS: Pred dn- lithogr & mx, sm chlky & sm DLS AA, Pred Pr- NVP, Trc STN, Trc SFO, VRr pp- vug Por, Pred barren w/Pr- NVP, sm chlky, Sl Cherty.	**{Trc SFO)**	**DST#4; OREAD Straddle Test: 28' of Anchor; & 440' of Tail Pipe E-Log:3250'--3278'**



	LS: gy argil. LS: tn-wh, Pred dn & mx- Vfnxln w/Pr Por: pp Por, mIX Por, NS. Sl Cherty. SH: blk carb. LS: dn & argil Mdst & SH: AA.	(LTD: 3718') Rotary:3249'--3277' (RTD: 3717') 45-60-45-60 min IF: BOB in 24 min. ISI:Wk surf Blow Back built to 3/4" FF: BOB in 34 min. FSI: Wk surf. BB blt to 3/4" Rec: 160' GIP 40' Cln Oil
{Trc SFO)	LS: tn-gy-wh, sm mot Pkst, Trc Fr Por: pp- vug Por, lool Por, Trc SFO- STN- Cut, sm chlky, Abndt dn, Cherty. LS: AA, Pred dn Mdst, sm argil.	(38 gravity) 40' MCW (60%W, 40%M) 240' MCW (70%W, 30%M)
{VSI SFO)	SH: blk carb & VC. LS: tn-gy-wh, fos & ool Pkst & mx- fnxln, Pr- Fr Por, Rr spt'd STN, VSI SFO, Trc Gd Por w/subsat STN & Sl SFO, VSI Odor, Trc Grst- ool & fos w/VGd Por, sat STN-SFO-Cut.	320' Total Fluid Rw:0.102@70deg.F Cl: 78,000 ppm IHP:1622 IFP: 27-119 ISIP: 723
{VSI SFO)	LS: tn-gy-wh, mx- fnxln- sm 2nd ReX, sm fos Pkst, prt chlky, VRr Pr- Fr Por: IX Por, IGr Por, pp- vug Por, ~5% w/spt'd- subsat STN, VSI SFO & Cut. Cherty: lt-dk blu-gy, tn-cm, sm fos, shrp. LS: cm-tn, Pred dn- mx- Vfnx, Pr- NVP w/NS. Cherty: blu-gy & tn, shrp.	FFP: 135-166 FSIP: 706 FHP: 1512 Temp:108deg.F
3305' (-1238) HEEBNER SH	{HEEBNER} SH: blk carb. LS: tn-gy, dn- mx, VPr- NVP w/NS. SH: gy & blk & gn-gy & rd, sm calc & lmy.	DST#1 OREAD- Thru LKC 'G' Zn 3259'--3450' 45-45-45-45 min 1st Op: BOB in 12 min, dead, No BB 2nd Op: BOB in 21 min, dead, No BB
3330' (-1263) TORONTO	{TORONTO} LS: tn-gy-wh, dn- mx- fnx, sm Sl 2nd ReX, Pred VPr- NVP w/ NS. sm chlky LS, AA, Pred dn- chlky.	Rec: 70'GIP 236' HOCWM (30%O; 30%W; 40%M) 310' HOCWM (25%O; 15%W; 60%M)
3351' (-1284)	sm SH: AA.	546' Total Fluid
LANSING {VSI SFO)	{LANSING} LS: tn-gy-wh, mot ool & fos Pkst, mx- fxln, Pr IX & IGr Por, <5% w/VSISFO- STN, VRr (<5%) w/dd STN, Rr chlky, VSI Cherty. LS: Pred dn & argil, sm chlky, Pred barren. Incrs SH: blk carb & gy-gn & rd.	TOOL SPL: 5%Gas, 10%Oil 10%Wtr, 75%Mud Rw:0.121@75deg.F Cl: 60,000 ppm IHP: 1652 IFP: 98-264 ISIP: 841 FFP: 282-332 FSIP: 818 FHP: 1543
{VSI SFO)	LS: tn-gy-wh, mx- Vfnx, >5% <10% w/Pr- Fr Por: pp- vug Por w/spt'd STN, VSI SFO, VRr ool Pkst w/Fr- Gd lool Por w/subsat- sat STN, Sl SFO & VSI Odor, Trc prt oomldc. Prt dn to chlky, Sl Cherty, AA. sm SH, AA.	Temp: 109deg. F
{SI SFO)	LS: mx- fnx, Rr ool & fos Pkst w/vug Por, ~5% w/Pr- Fr Por: pp- vug Por, lool Por, IGr Por, Trc Gd vug Por w/spt'd STN, VSI Odor & Trc sat STN, VSI Odor, Sl Cherty: Pred dn- chlky LS w/VPr- NVP. LS: dn & argil & sm SH.	DST#3; LKC: Fzn & G zn Straddle test: (43'anchor; 265'tail) E-Log: 3410'-3453' (LTD: 3718') Rotary:3409'-3452' (RTD: 3717') 45-45-45-45 min 1st Op: Fr surf blow, blt to
WT 9.1, VIS 57 PV 15, YP 27 WL 7.6, pH 11.0 Cl 2100, LCM 2#	LS: tn-gy-wh, Pred dn- mx- fnx, sm mot Pkst, VPr Por w/NS, Sl Cherty: tn, blu-gy, shrp	



fos, Sl Cherty, Pr- Fr Por, Trc Gd Por, spt'd- sat STN, Sl SFO, ~5% <10% Incrs Fr- Gd Por: lool Por, IGr Por & STN- SFO, VSl- Sl Cut, VSl Odor, sm barren Por.	{Sl- Fr SFO)	7 in, dd, No BB 2nd Op: Fr surf blow, blt to 7 in, dd, No BB
LS: AA, ool & fos Pkst w/Pr- Fr Por, Rr STN- SFO & Cut. Pred dn- chlky & barren.	{VSl SFO)	Rec: 320' TF: 140' MCW
LS: tn-wh, dn- chlky & VC SH: AA, Pred Pr visbl Por- NVP w/NS.		(60%W; 40%M) 180' SlMCW (95%W; 5%M)
LS: gy-tn-wh, sm Pkst, Pr- NVP w/NS, sm chlky LS.		Tool Sample: VSlMCW (98%W; 2%M) Rw:0.705@60deg.F
LS: gy, dn & argil & SH: gn-gy & SH: blk carb.	WT 9.1, VIS 53 PV 12, YP 25	Cl: 148,000 ppm IHP: 1691
LS: AA, gy, dn Mdst & SH: gn-gy & blk, AA.	WL 7.6, pH 10.5 Cl 2100, LCM 2#	IFP: 27-120 ISIP: 832 FFP: 136-169
LS: wh-gy-tn, sm mot Pkst & prt chlky & mx- fnx, Pr visbl Por: IGr Por, IX Por, pp Por w/5% w/Por & spt'd Lt STN & VSl SFO & Cut, Sl Cherty: cm-blu-gy-tn, shrp.	{VSl SFO)	FSIP: 808 FHP: 1613 Temp:109 deg. F
SH:L Incrs in 3520' spl.		
LS: dn Mdst & chlky LS: AA & SH: AA, mrn-rd & gn-gy.		DST#2;LKC:H-Lzns 3455'--3592'
LS: tn-gy-wh, mx- fnx, sm mot Pkst, grnlr & fos w/Pr- Fr Por: pp Por, IGr Por, IX Por, ~5% spt'd- subsat STN, VSl SFO, sm chlky, Abndt dn & SH, AA.	{VSl SFO)	45-45-30-30 min. 1st Op: Wk surf blow, blt to 1 in, dd, No BB 2nd Op: Dead, NB, No BB,
LS: tn-wh, Pred dn- mx, sm fnX's- VRr Md- CrsX's- 2nd ReX, <5% w/Pr- Fr visbl Por: IGr Por, pp Por, IX Por, spt'd- sat STN, VSl SFO & Cut.	{VSl SFO)	Rec: 11' TF: 1' Free Oil 10' SlOCM (5%O; 95%M)
{STARK} SH: sm blk carb (Incrs in 3550' spl)	3537' (-1470) STARK SH	IHP: 1750 IFP: 71-74 ISIP: 725
{SWOPE} LS: tn-wh, mx- fnxln, Rr prt Mdx- 2nd ReX, >5% <10% w/Pr- Fr Por: pp- vug Por & IX Por, Trc Gd Por, spt'd- subsat STN, Sl SFO, Sl Odor, Rr grnlr Pkst w/Pr- Fr Por, spt'd STN & Sl SFO.	3547' (-1480) SWOPE	FFP: 79-86 FSIP: 304 FHP: 1638
LS: Pred dn to chlky LS w/NS.	{Sl SFO)	Temp: 108 deg.F
LS: AA & gy-bn, dn- mx- fnxln, Pred Pr- NVP w/ NS. (Trc STN- SFO- Cut, AA), sm chlky & dn.		
{HUSHPUCKNEY} SH: (Incrs in 3590' spl) blk carb., gy-gn & rd.		
{HERTHA} LS: wh-tn-gy, sm mot Pkst, sm ool & fos, VRr VPr Por, Trc SFO- STN- Cut, Trc dd STN, Pred barren w/VPr- NVP, prt chlky, VSl Cherty.	{Trc SFO)	
	3585' (-1518) BASE KANSAS CITY	
{BASE KANSAS CITY} SH: blk carb & gn-gy & mrn-rd & LS: AA, dn- Vfnx & chlky.		
Abndt SH: VC, AA. (LS: AA, Pred dn- chlky w/VPr- NVP)		
sm LS: wh-tn-gy, sm mot, mx- fnx & dn- chlky, Pred VPr-NVP.		
SH: Abndt gy-blk, mrn-rd & gn-gy.		
SH: AA & LS: AA, Incrs mrn-rd SH.		
Pred SH: VC, dk mrn-rd, gn-gy, gy-blk.		
SH: VC, gy & gn & Incrs mrn-rd.		
LS: wh-tn, mx- fnxln, sm sdy: Vfn- fn Gr'd, sm Pkst, VPr-Pr Por: IX Por, IGr Por, pp- vug Por, Trc STN, Trc SFO, Trc dd STN, sm argil- shly, Pred dn.	{Trc SFO)	WT 9.0, VIS 40 PV 12, YP 19 WL 7.8, pH 10.5 Cl 2400, LCM 1#
	{Trc SFO)	
	3648' (-1581) CHERTY CONGLOMERATE	
{CHERTY CONGLOMERATE} CHERT: cm-bf-gy-tn, orng, dn, shrp- wthr'd, sm sndy, Trc Pr- Gd Por, dd STN.		



CHERT: VC- orng-yel-gn, bf-gy & blu-gy, Pred shrp & prt wthr'd, sm prt Tripolc w/spt'd dd STN. Abndt F.Sd Gr'd: Md- VCrs Gr'd, well rnd'd- anglr, clr- frost'd & color'd, VRr Sd Clust: Cherty & pyrtc.

Shly Chert & sm Sd, VC & VC SH, sm Chert, AA, NFO.

Abndt SH: AA
Rr Chert & LS: AA

VAbndt CHERT: (3717' 20 min spl} wh-cm, ambr, sm orng, Pred opq, shrp & prtly wthr'd, sm semiTripolc & wthr'd w/Por, Trc dd STN, NFO. sm Qtzc Chert.

CHERT: AA, Incrs ambr, opq, shrp & cm-wh, sm wthr'd edg's, Rr 2nd Qtz ReX, Rr pyrtc, NS.

3717' (-1650)/RTD
3718' (-1651)/LTD

HESS OIL CO
JJ #1-33
1148' FSL & 434' FWL
Sec 33-11S-18W
ELLIS CO., KS
API# 15-051-26569

WT 9.1, VIS 52
PV 14, YP 26
WL 8.0, pH 10.5
Cl 3000, LCM 2#

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54324 **DST#: 1**

Test Start: 2013.07.24 @ 15:29:31

GENERAL INFORMATION:

Formation: **Oread-LKC G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:05:21
Time Test Ended: 23:41:01

Test Type: Conventional Bottom Hole (Initial)
Tester: Tate Lang
Unit No: 41

Interval: 3259.00 ft (KB) To 3450.00 ft (KB) (TVD)
Total Depth: 3450.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

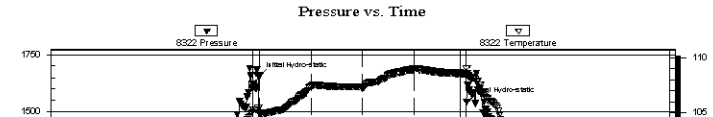
Reference Elevations: 2067.00 ft (KB)
2062.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Outside**

Press@RunDepth: 331.53 psig @ 3266.00 ft (KB)
Start Date: 2013.07.24 End Date: 2013.07.24
Start Time: 15:29:32 End Time: 23:41:01

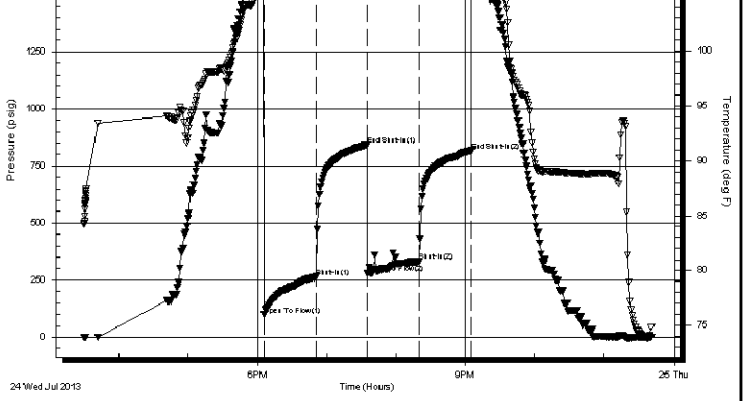
Capacity: 8000.00 psig
Last Calib.: 2013.07.24
Time On Btm: 2013.07.24 @ 18:05:01
Time Off Btm: 2013.07.24 @ 21:05:31

TEST COMMENT: B.O.B. In 12 mins.
Dead no blow back
B.O.B. In 21 mins.
Dead no blolw back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.38	105.39	Initial Hydro-static



1	98.49	104.91	Open To Flow (1)
46	263.98	107.40	Shut-In(1)
90	840.97	107.36	End Shut-In(1)
91	281.75	107.19	Open To Flow (2)
136	331.53	108.94	Shut-In(2)
181	817.62	108.53	End Shut-In(2)
181	1542.89	109.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	25%0 15%W 60%M	2.18
236.00	30%O 30%W 40%M	3.31
0.00	70 GIP	0.00
0.00	TS 5%G 10%O 10%W 75%M	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54324 **DST#: 1**

Test Start: 2013.07.24 @ 15:29:31

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	60000 ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	25%0 15%W 60%M	2.180
236.00	30%O 30%W 40%M	3.310
0.00	70 GIP	0.000
0.00	TS 5%G 10%O 10%W 75%M	0.000

Total Length: 546.00 ft Total Volume: 5.490 bbl

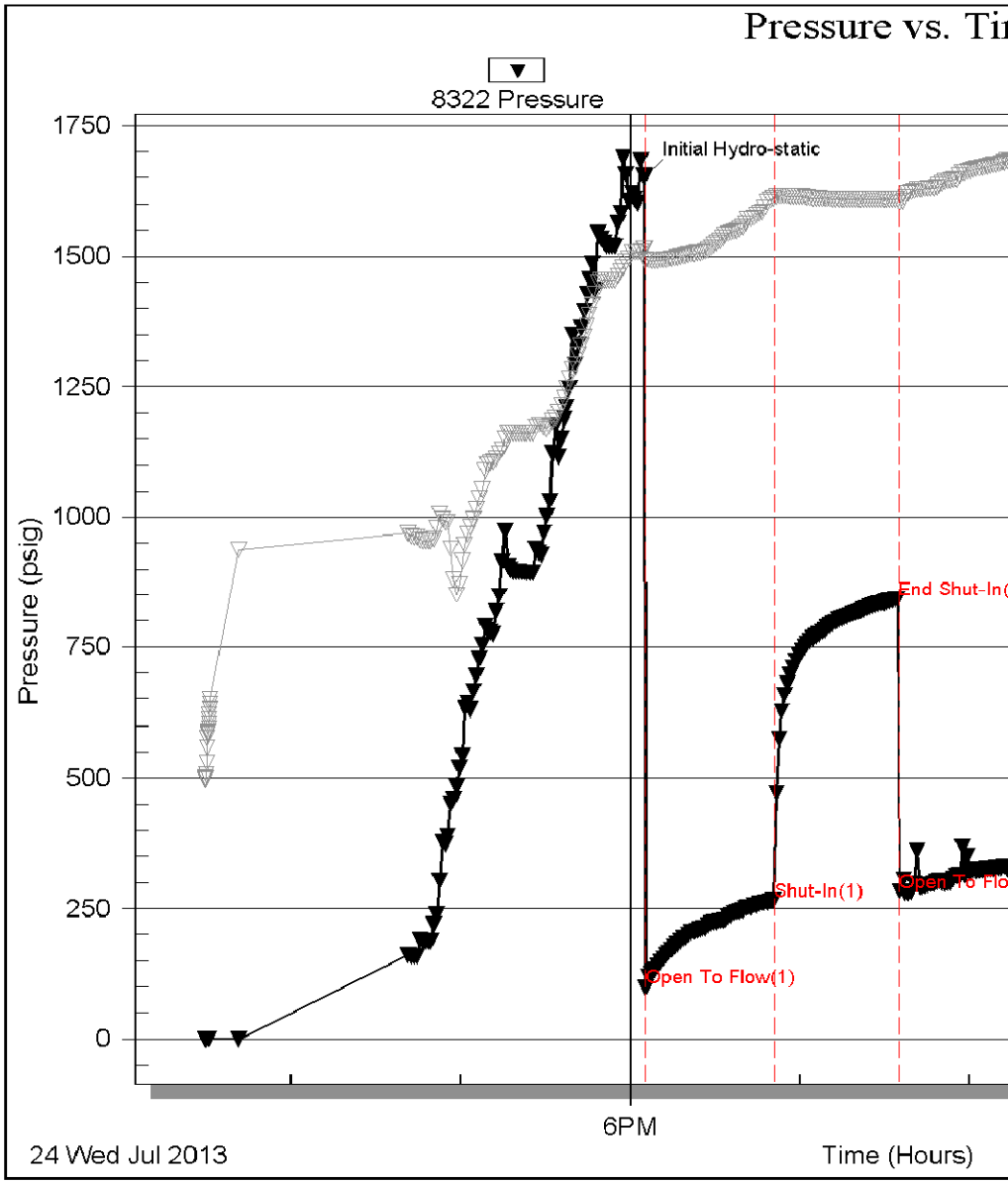
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .121 @ 75F = 60,000

Printed: 2013.07.25 @ 07:44:43

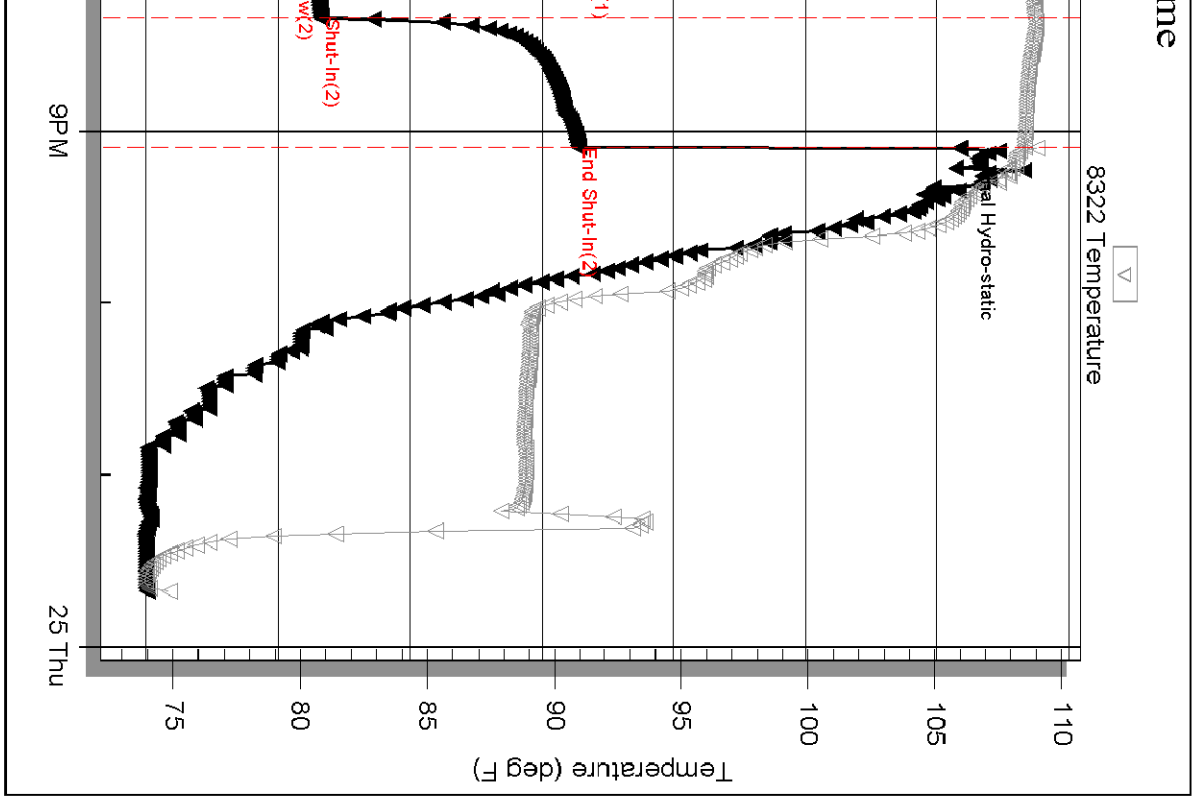
Ref. No: 54324

Trilobite Testing, Inc

Serial #: 8322 **Outside** Hess Oil Company JJ #1-33



Trilobite Testing, Inc Ref. No: 54324



Printed: 2013.07.25 @ 07:44:44

DST Test Number: 1

DRILL STEM TEST REPORT

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54325 **DST#: 2**

Test Start: 2013.07.25 @ 14:40:00

GENERAL INFORMATION:

Formation: **LKC H-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:41:50
Time Test Ended: 20:58:39

Test Type: Conventional Bottom Hole (Reset)
Tester: Tate Lang
Unit No: 41

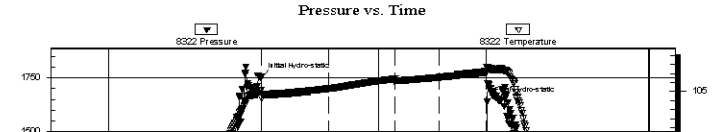
Interval: 3455.00 ft (KB) To 3592.00 ft (KB) (TVD)
Total Depth: 3599.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2067.00 ft (KB)
2062.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Outside**
Press@RunDepth: 86.01 psig @ 3462.00 ft (KB)
Start Date: 2013.07.25 End Date: 2013.07.25
Start Time: 14:40:01 End Time: 20:58:40

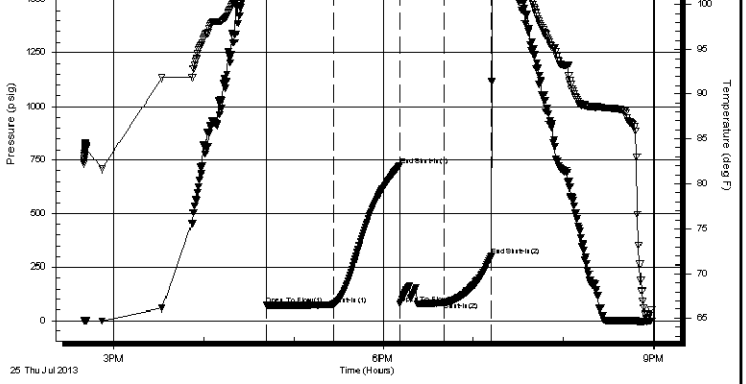
Capacity: 8000.00 psig
Last Calib.: 2013.07.25
Time On Btm: 2013.07.25 @ 16:41:40
Time Off Btm: 2013.07.25 @ 19:12:30

TEST COMMENT: Weak surface blow built to 1 in
Dead no blow back
Dead no blow
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.35	105.11	Initial Hydro-static



1	71.48	104.29	Open To Flow (1)
45	74.39	105.29	Shut-In(1)
90	724.91	106.43	End Shut-In(1)
90	79.26	106.06	Open To Flow (2)
119	86.01	106.63	Shut-In(2)
151	303.88	107.21	End Shut-In(2)
151	1637.55	107.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	5%O 95%M	0.05
1.00	100%O	0.00
0.00	TS 2%O 98%M	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54325 **DST#: 2**

Test Start: 2013.07.25 @ 14:40:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	5%O 95%M	0.049
1.00	100%O	0.005
0.00	TS 2%O 98%M	0.000

Total Length: 11.00 ft Total Volume: 0.054 bbl

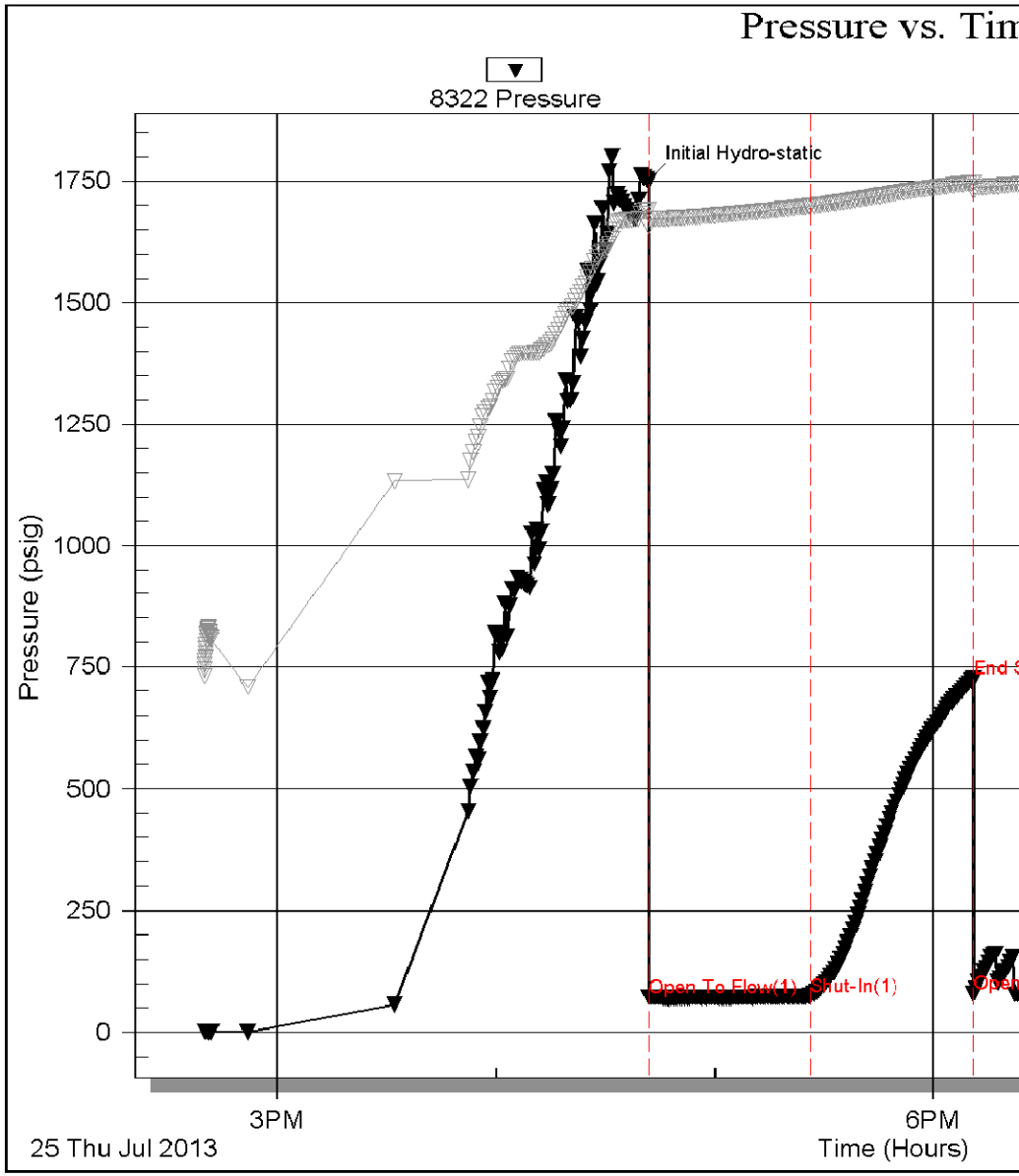
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Printed: 2013.07.25 @ 23:30:57

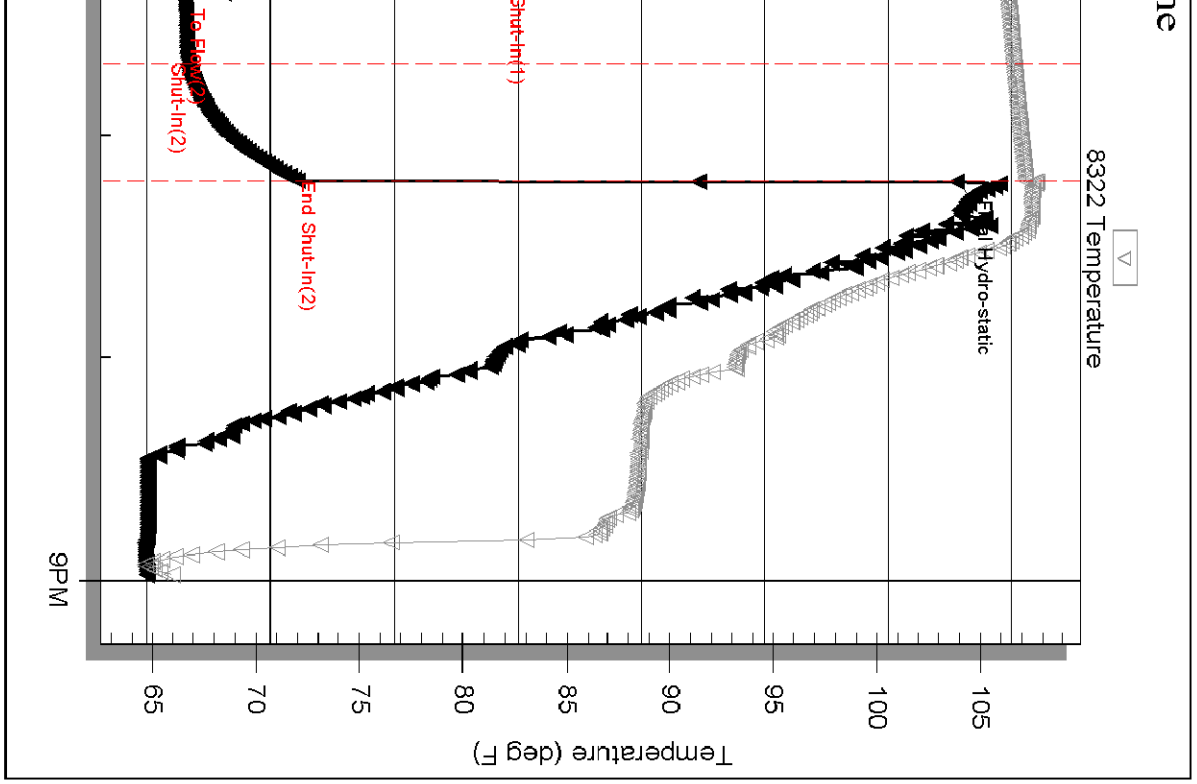
Ref. No: 54325

Trilobite Testing, Inc

Serial #: 8322 **Outside** Hess Oil Company JJ #1-33



Trilobite Testing, Inc Ref. No: 54325



Printed: 2013.07.25 @ 23:30:58

DST Test Number: 2

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54376 **DST#: 3**

Test Start: 2013.07.26 @ 23:05:42

GENERAL INFORMATION:

Formation: **F-G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:05:22
Time Test Ended: 06:10:42

Test Type: Conventional Straddle (Reset)
Tester: Tate Lang
Unit No: 41

Interval: 3410.00 ft (KB) To 3452.00 ft (KB) (TVD)
Total Depth: 3717.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

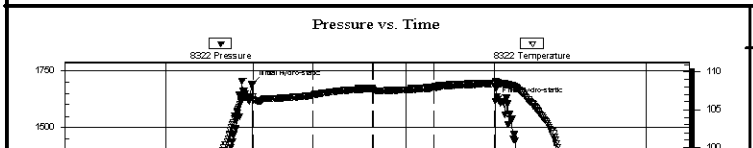
Reference Elevations: 2067.00 ft (KB)
2062.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Outside**

Press@RunDepth: 168.82 psig @ 3411.00 ft (KB)
Start Date: 2013.07.26 End Date: 2013.07.27
Start Time: 23:05:43 End Time: 06:10:42

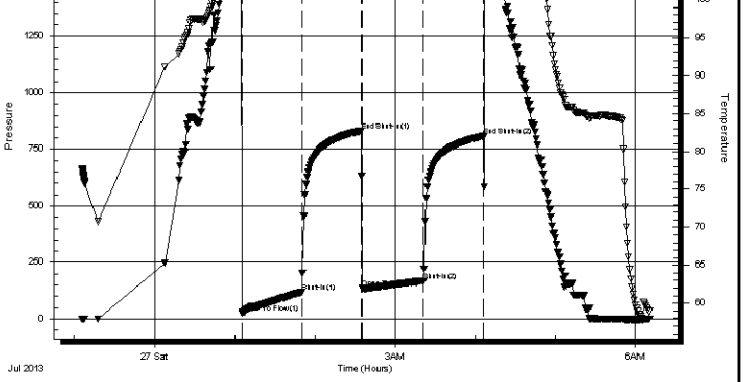
Capacity: 8000.00 psig
Last Calib.: 2013.07.27
Time On Btm: 2013.07.27 @ 01:05:02
Time Off Btm: 2013.07.27 @ 04:06:51

TEST COMMENT: Fair surface blow built to 7 in.
Dead no blow back
Fair surface blow built to 7 in.
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1690.74	106.71	Initial Hydro-static



1	26.55	106.23	Open To Flow (1)
46	119.94	106.85	Shut-In(1)
90	831.89	107.76	End Shut-In(1)
91	135.62	107.57	Open To Flow (2)
137	168.82	107.89	Shut-In(2)
182	807.82	108.44	End Shut-In(2)
182	1613.26	108.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	5%M 95%W	0.89
140.00	40%M 60%W	1.44
0.00	TS 2%M 98%W	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 54376 Printed: 2013.07.29 @ 10:19:12

DRILL STEM TEST REPORT

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54376 **DST#: 3**

Test Start: 2013.07.26 @ 23:05:42

GENERAL INFORMATION:

Formation: **F-G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:05:22
Time Test Ended: 06:10:42

Test Type: Conventional Straddle (Reset)
Tester: Tate Lang
Unit No: 41

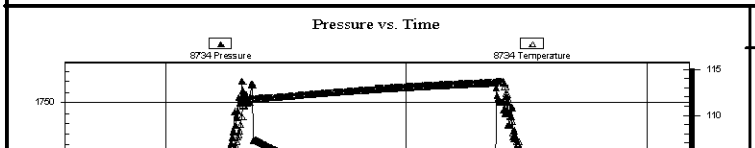
Interval: 3410.00 ft (KB) To 3452.00 ft (KB) (TVD)
Total Depth: 3717.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2067.00 ft (KB)
2062.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8734 **Below (Straddle)**
Press@RunDepth: psig @ 3719.00 ft (KB)
Start Date: 2013.07.26 End Date: 2013.07.27
Start Time: 23:05:12 End Time: 06:10:11

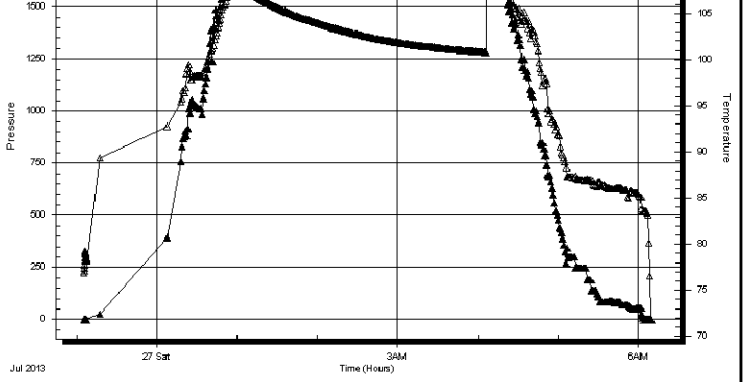
Capacity: 8000.00 psig
Last Calib.: 2013.07.27
Time On Btm:
Time Off Btm:

TEST COMMENT: Fair surface blow built to 7 in.
Dead no blow back
Fair surface blow built to 7 in.
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation



Recovery

Length (ft)	Description	Volume (bbl)
180.00	5%M 95%W	0.89
140.00	40%M 60%W	1.44
0.00	TS 2%M 98%W	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 54376 Printed: 2013.07.29 @ 10:19:13

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54376 **DST#: 3**

Test Start: 2013.07.26 @ 23:05:42

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	5%M 95%W	0.885
140.00	40%M 60%W	1.435
0.00	TS 2%M 98%W	0.000

Total Length: 320.00 ft Total Volume: 2.320 bbl

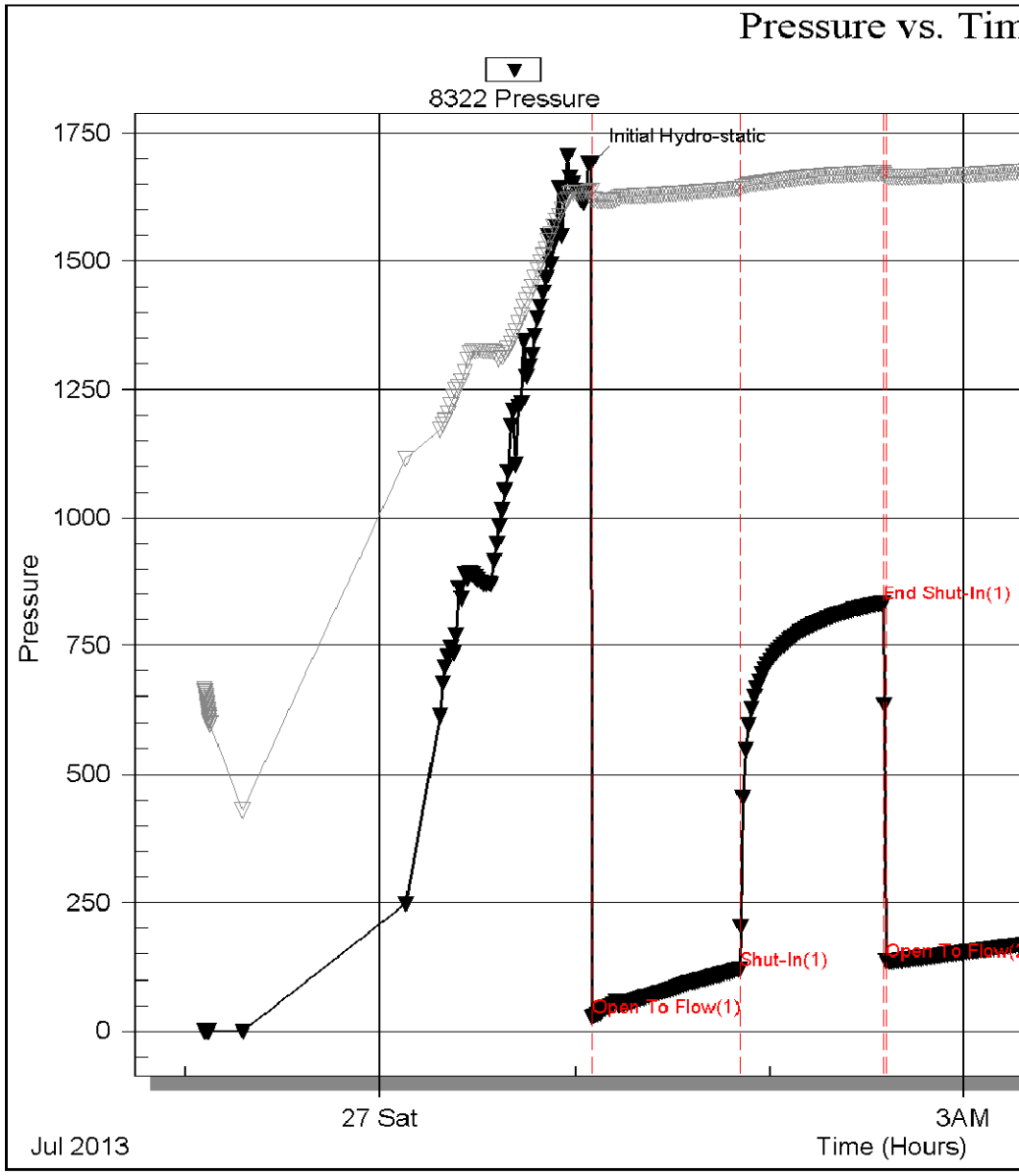
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Printed: 2013.07.29 @ 10:19:14

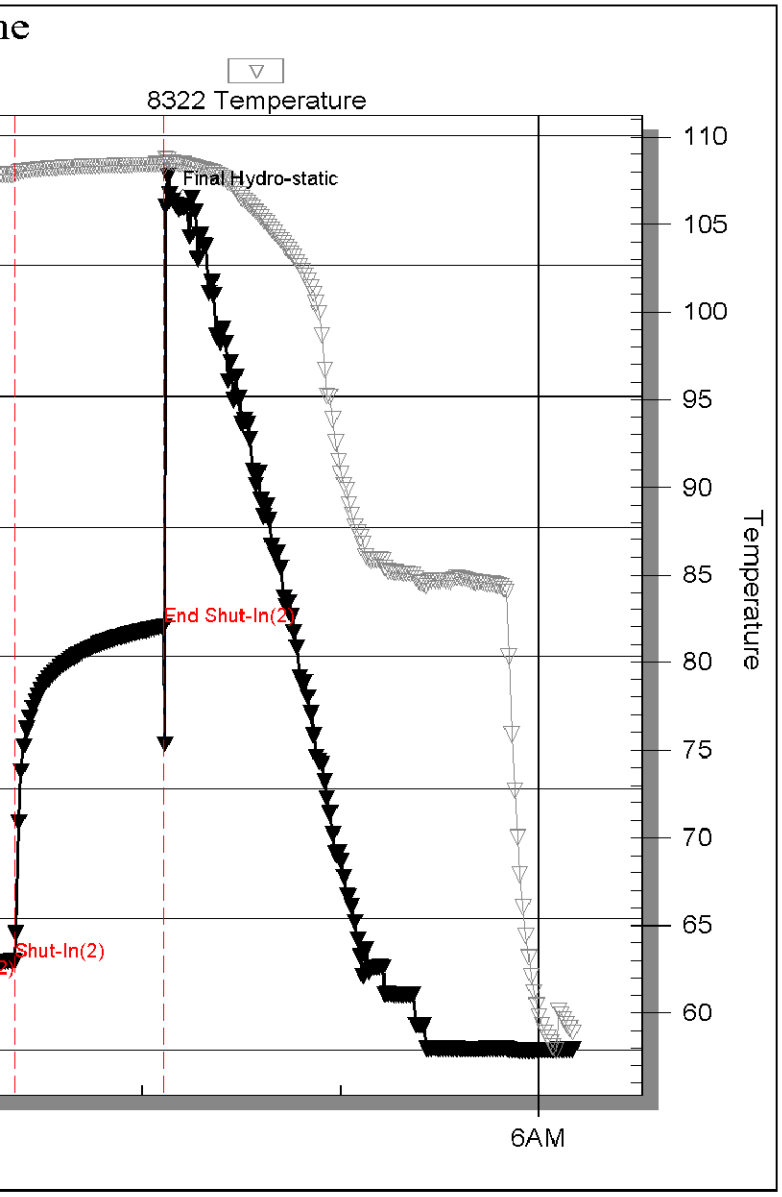
Ref. No: 54376

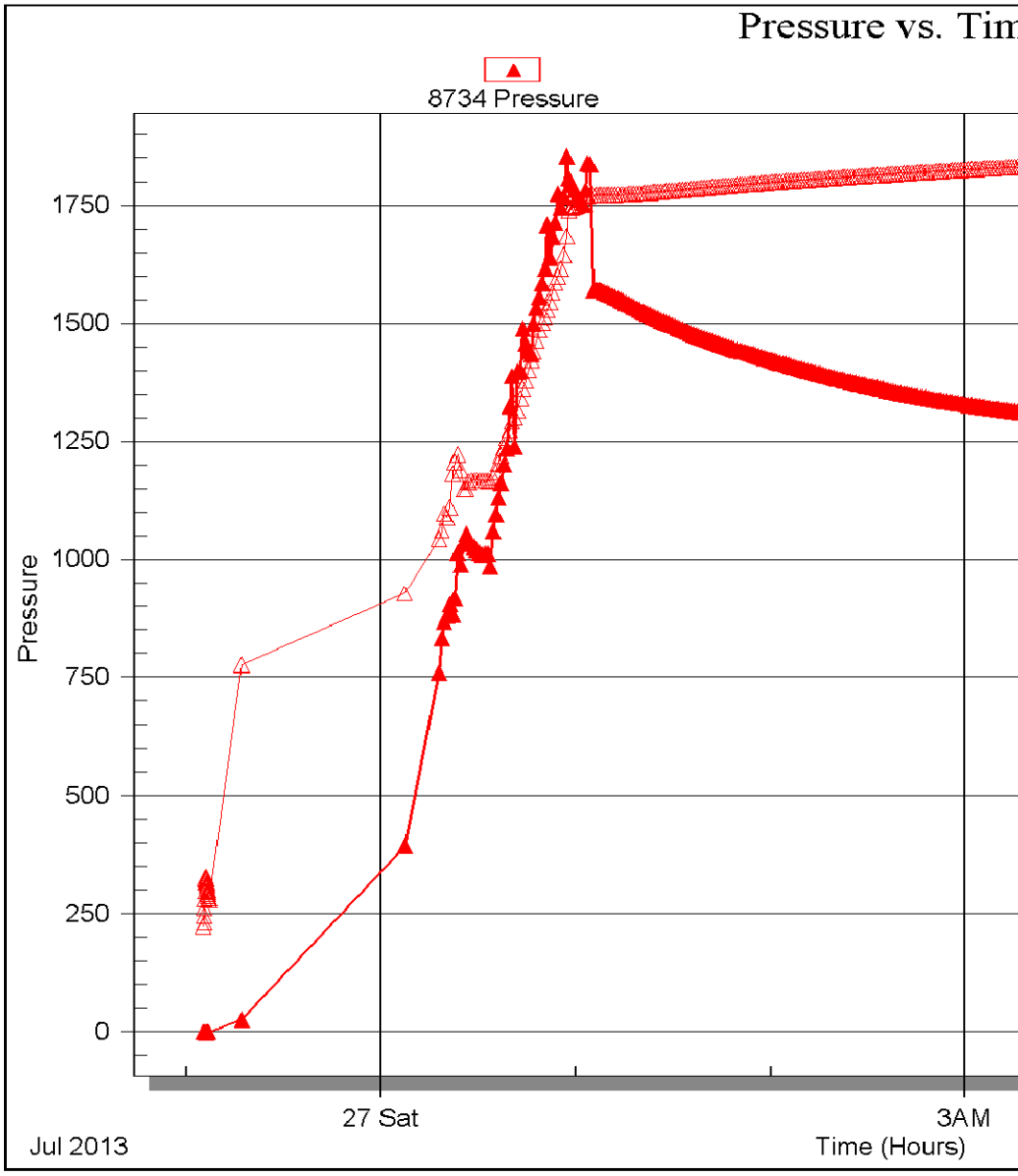
Trilobite Testing, Inc

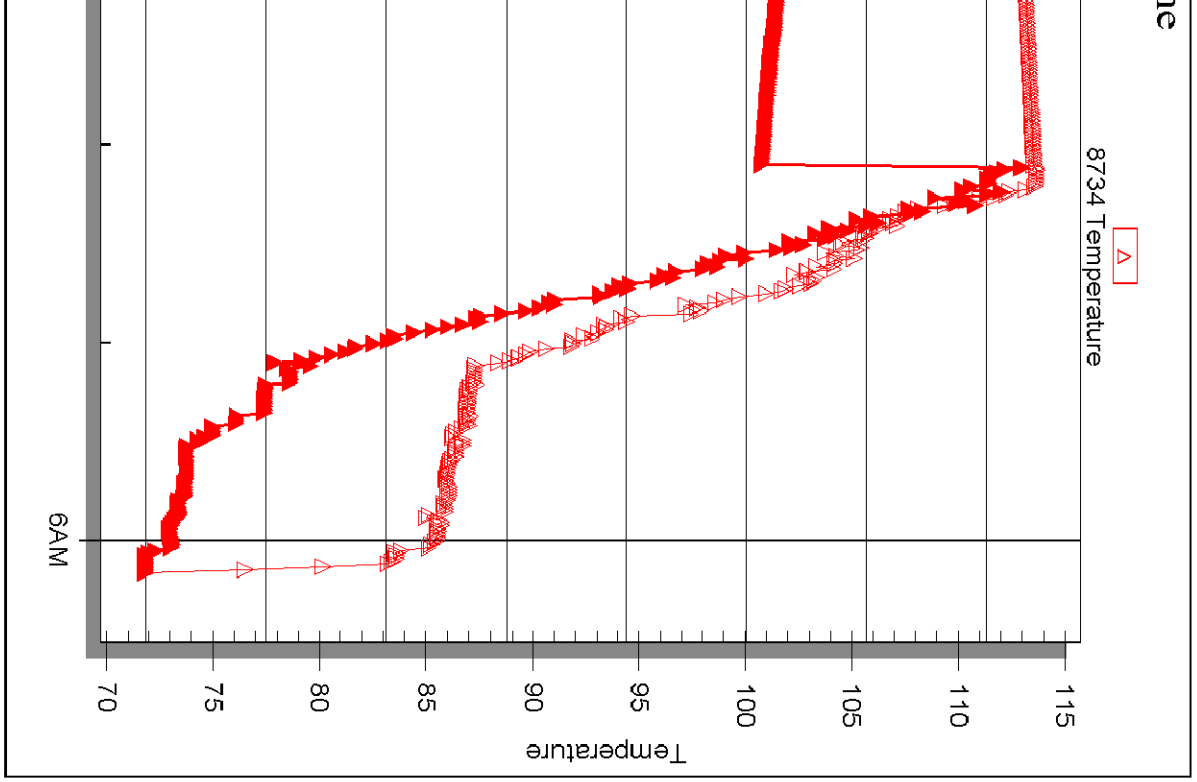
Serial #: 8322 **Outside** Hess Oil Company JJ #1-33



Trilobite Testing, Inc Ref. No: 54376


8322 Temperature
Final Hydro-static
End Shut-In(2)
Shut-In(2)
110
105
100
95
90
85
80
75
70
65
60
Temperature
6AM


Pressure vs. Tim
8734 Pressure
1750
1500
1250
1000
750
500
250
0
Pressure
27 Sat
3AM
Jul 2013
Time (Hours)



Printed: 2013.07.29 @ 10:19:14

DST Test Number: 3

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54377 **DST#: 4**

Test Start: 2013.07.27 @ 07:26:26

GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:06
Time Test Ended: 15:45:05

Test Type: Conventional Straddle (Reset)
Tester: Tate Lang
Unit No: 41

Interval: 3250.00 ft (KB) To 3278.00 ft (KB) (TVD)
Total Depth: 3717.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

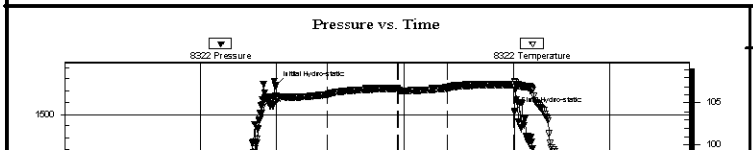
Reference Elevations: 2067.00 ft (KB)
2062.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Outside**

Press@RunDepth: 165.68 psig @ 3251.00 ft (KB)
Start Date: 2013.07.27 End Date: 2013.07.27
Start Time: 07:26:27 End Time: 15:45:06

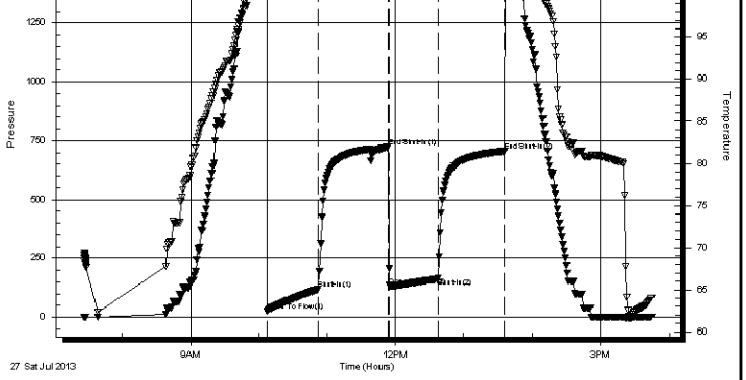
Capacity: 8000.00 psig
Last Calib.: 2013.07.27
Time On Btm: 2013.07.27 @ 10:06:56
Time Off Btm: 2013.07.27 @ 13:36:35

TEST COMMENT: B.O.B. In 24 mins
Weak surface blow back built to 3/4 in.
B.O.B. In 34 min.
Weak surface blow back built to 3/4 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.63	105.85	Initial Hydro-static



1	27.48	105.18	Open To Flow (1)
46	119.18	106.03	Shut-In(1)
107	722.86	106.73	End Shut-In(1)
108	134.59	106.53	Open To Flow (2)
151	165.68	106.78	Shut-In(2)
210	706.42	107.20	End Shut-In(2)
210	1511.67	107.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	70%W 30%M	1.20
40.00	60%W 40%M	0.56
40.00	100%Clean oil	0.56
0.00	160 GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 54377 Printed: 2013.07.29 @ 10:18:21

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54377 **DST#: 4**

Test Start: 2013.07.27 @ 07:26:26

GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:07:06
Time Test Ended: 15:45:05

Test Type: Conventional Straddle (Reset)
Tester: Tate Lang
Unit No: 41

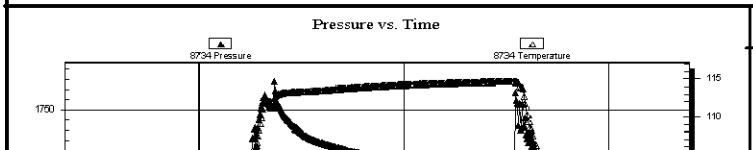
Interval: 3250.00 ft (KB) To 3278.00 ft (KB) (TVD)
Total Depth: 3717.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2067.00 ft (KB)
2062.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8734 **Below (Straddle)**
Press@RunDepth: psig @ 3694.00 ft (KB)
Start Date: 2013.07.27 End Date: 2013.07.27
Start Time: 07:26:54 End Time: 15:45:33

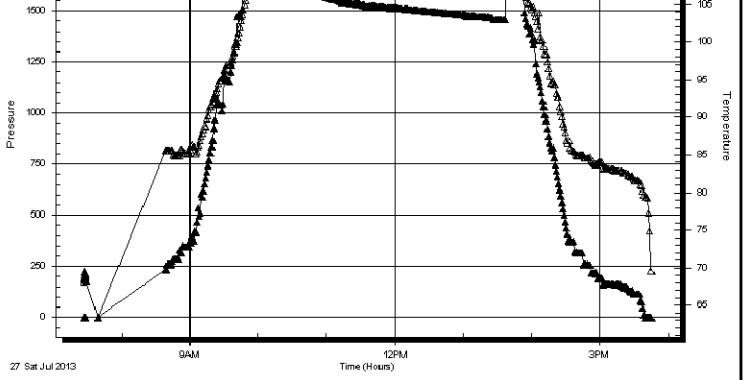
Capacity: 8000.00 psig
Last Calib.: 2013.07.27
Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. In 24 mins
Weak surface blow back built to 3/4 in.
B.O.B. In 34 min.
Weak surface blow back built to 3/4 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation



Recovery

Length (ft)	Description	Volume (bbl)
240.00	70%W 30%M	1.20
40.00	60%W 40%M	0.56
40.00	100%Clean oil	0.56
0.00	160 GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil Company

PO Box 1009
McPherson KS, 67460

ATTN: Roger Martin

33-11s-18w-Ness Co KS

JJ #1-33

Job Ticket: 54377 **DST#: 4**

Test Start: 2013.07.27 @ 07:26:26

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.50 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	70%W 30%M	1.198
40.00	60%W 40%M	0.561
40.00	100%Clean oil	0.561
0.00	160 GIP	0.000

Total Length: 320.00 ft Total Volume: 2.320 bbl

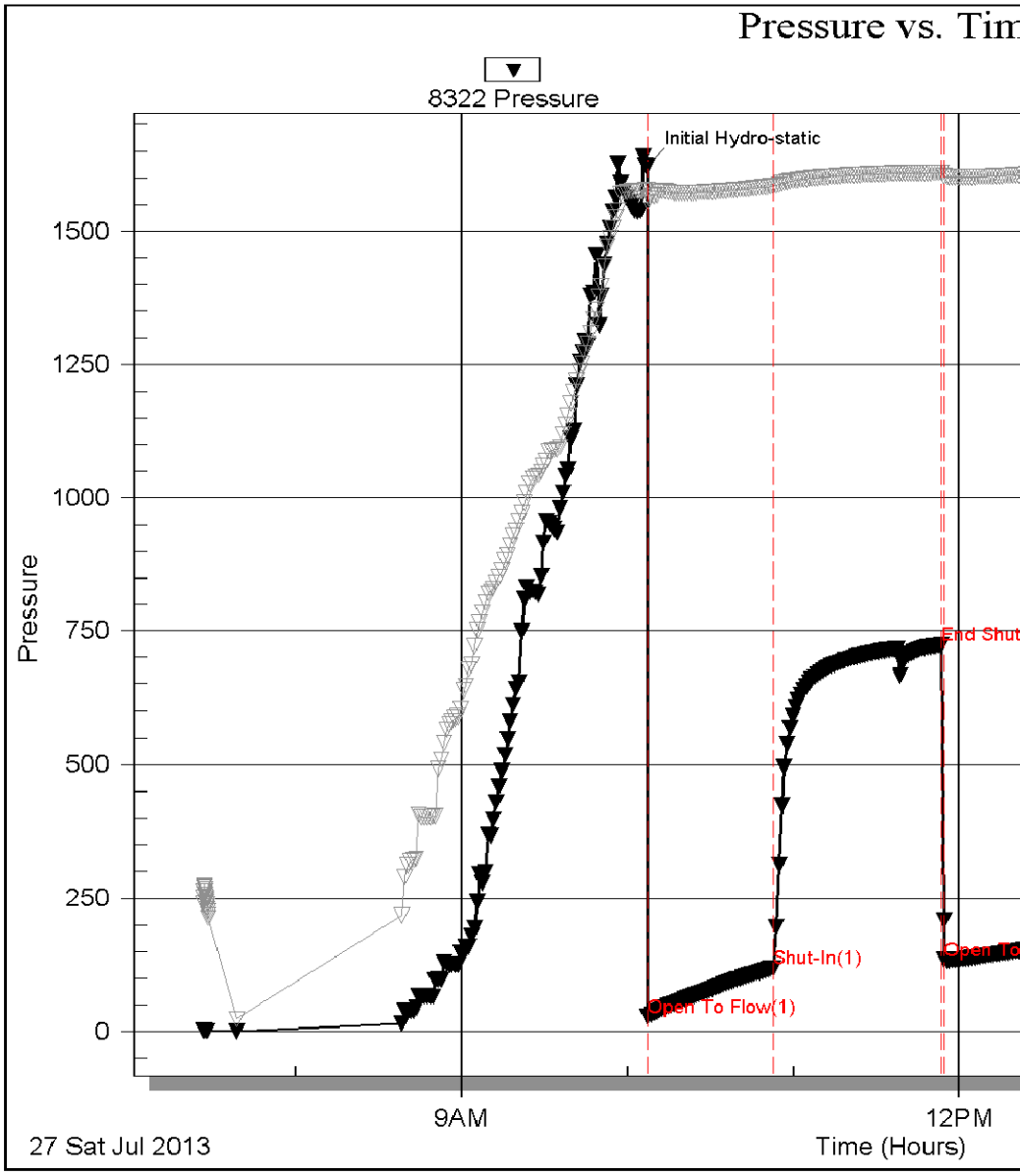
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Printed: 2013.07.29 @ 10:18:22

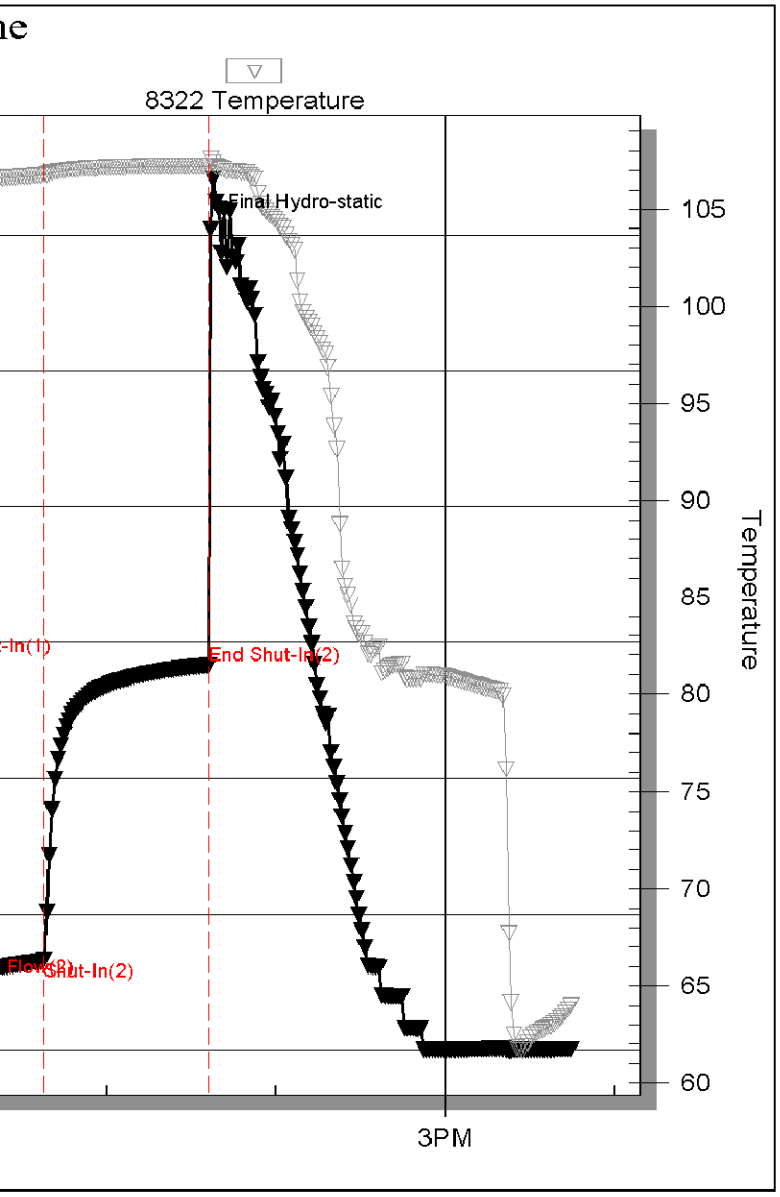
Ref. No: 54377

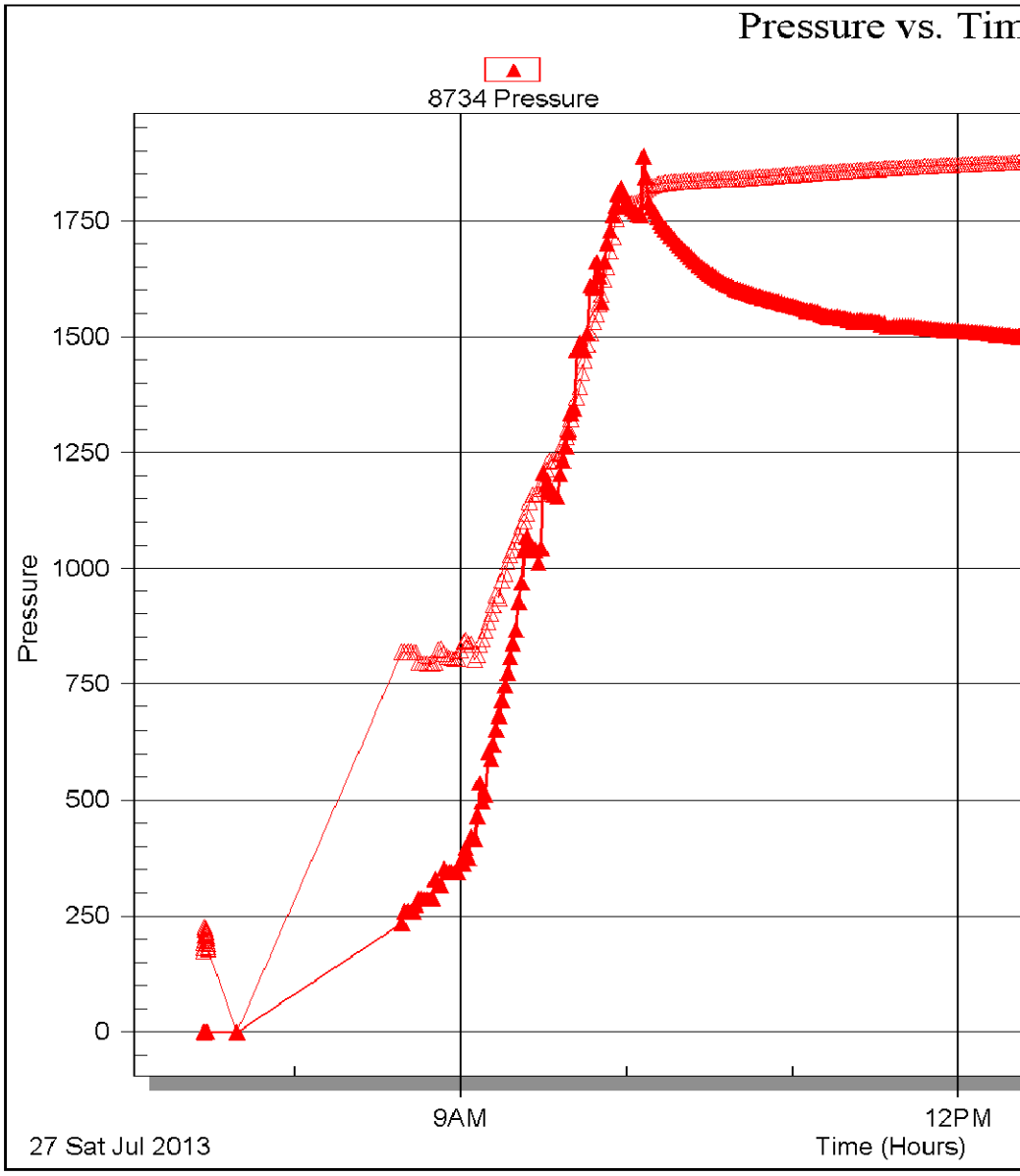
Trilobite Testing, Inc

Serial #: 8322 **Outside** Hess Oil Company JJ #1-33

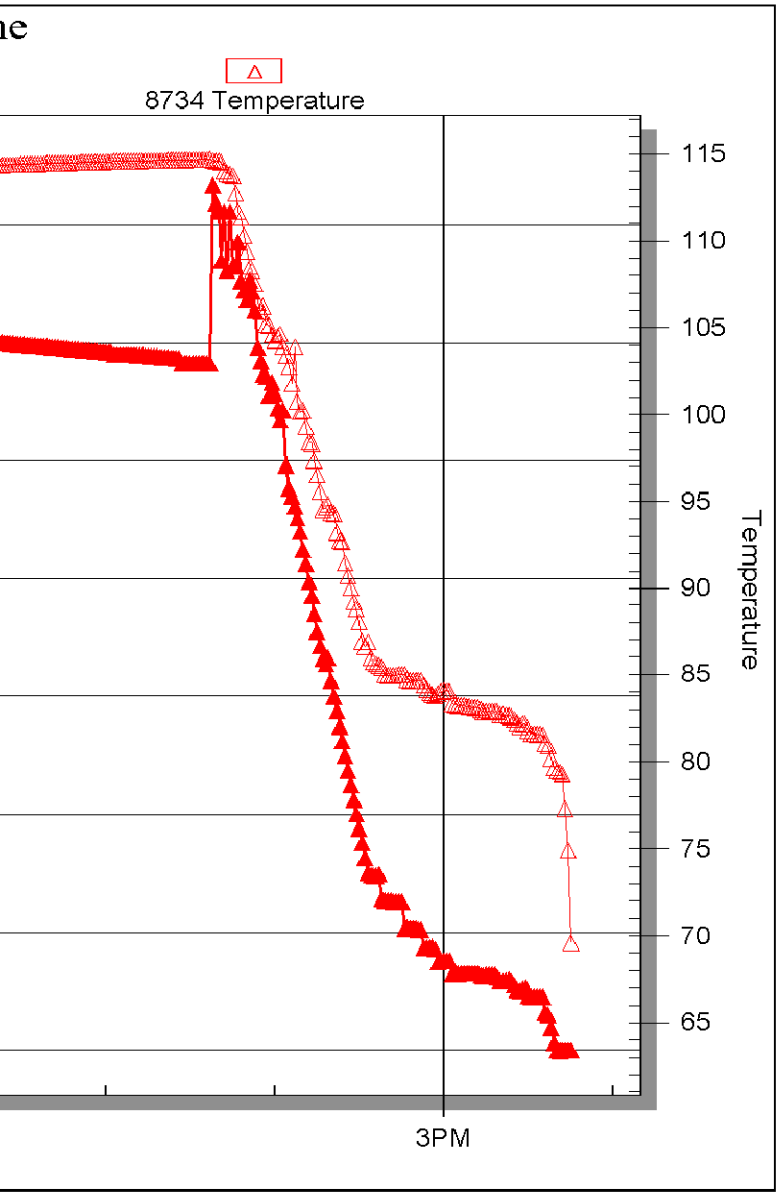


Trilobite Testing, Inc Ref. No: 54377


8322 Temperature
Final Hydro-static
End Shut-In(2)
Shut-In(2)
105
100
95
90
85
80
75
70
65
60
Temperature
3PM


Pressure vs. Tim
8734 Pressure
1750
1500
1250
1000
750
500
250
0
Pressure
9AM
12PM
27 Sat Jul 2013
Time (Hours)

DST Test Number: 4



Printed: 2013.07.29 @ 10:18:23

ALLIED OIL & GAS SERVICES, LLC 060587

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE 7-2-13	SEC 33	TWP 11	RANGE 18	CALLED OUT	ON LOCATION	JOB START 4:30 Am	JOB FINISH 10 Am
LEASE DJ	WELL # 1-33		LOCATION Hays N to Dean Hill rd			COUNTY Ellis	STATE KS
OLD OR NEW (Circle one)			W to SW into				

CONTRACTOR Maverd
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ DEPTH 218
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 Ft
PERFS.
DISPLACEMENT

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
390 HELPER Kevin Weighous
BULK TRUCK
344 DRIVER
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 150 SKS Class A 3% cc 2% gel

COMMON	150	@ 17.90	2.685.00
POZMIX		@	
GEL	3	@ 23.40	70.20
CHLORIDE	5	@ 64.00	320.00
ASC		@	
HANDLING	162.09	@ 2.48	401.98
MILEAGE	7.4 X 15 X	2.60	288.60
		TOTAL	3.765.78

REMARKS:

On location - Rig up - had safety meeting
Run 8⅝ casing - Break Circulation Rig load
Hook up cement pump
Pump 5 BBLS fresh water Ahead
Mix 150 SKS Class A 3% 2%
Displace 5 bbls freshwater
Shut in
Cement did Circulate
Rig down

SERVICE

DEPTH OF JOB 218
PUMP TRUCK CHARGE 1512.25
EXTRA FOOTAGE @
MILEAGE Hum 15 @ 7.70 115.50
MANIFOLD @
Hum 15 @ 4.40 66.00
@
TOTAL 1.693.75

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 5.459.53
DISCOUNT 1.364.88 IF PAID IN 30 DAYS
4.094.65

PRINTED NAME X Mark D. Ebert

SIGNATURE X Mark D Ebert

Thank you!

ALLIED OIL & GAS SERVICES, LLC 054759

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
7-28-13	33	11	18			1:30 AM	2:00 AM

LEASE	WELL #	LOCATION	COUNTY	STATE
JJ	1-33	Hays KS 10N W0S,1nto	Ellis	KS

OLD OR (NEW) (Circle one)

CONTRACTOR Mallard
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 3717
CASING SIZE 8 5/8 DEPTH 218
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER

CEMENT
AMOUNT ORDERED 205 60/40 4%gel 1/4#fl

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y
417 HELPER Woody O
BULK TRUCK
410 DRIVER Joe G
BULK TRUCK
DRIVER

REMARKS:

25sk @ 1400
100sk @ 775
40sk @ 250
10sk @ 40
30sk in Rat hole

COMMON	123	@ 17.90	2201.70
POZMIX	82	@ 9.35	766.70
GEL	7.05	@ 23.40	164.97
CHLORIDE		@	
ASC		@	
C/o scal : 2		@ 2.97	148.50
50#		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	220.08 Ft³	@ 2.48	545.80
MILEAGE	110.31 t/m	2.60	286.81
		TOTAL	4114.48

SERVICE

DEPTH OF JOB	1400		
PUMP TRUCK CHARGE	2249.84		
EXTRA FOOTAGE		@	
MILEAGE	12 HVMI	@ 7.70	92.40
MANIFOLD		@	
	12 LVMI	@ 4.40	52.80
		@	
		TOTAL	2395.04

CHARGE TO: Hess Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 Wooden plug		@ 64.80	64.80
		@	
		@	
		@	
		@	
		TOTAL	64.80

To: Allied Oil & Gas Services, LLC.
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SALES TAX (If Any)
TOTAL CHARGES 6574.32
DISCOUNT 1314.86 IF PAID IN 30 DAYS
Net 5259.46

PRINTED NAME Josha L Dotte

SIGNATURE