



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1162015
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1162015

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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	Stanley 1-14
Doc ID	1162015

Tops

Name	Top	Datum
Anhydrite	1047	+782
Base Anhydrite	1081	+761
Topeka	2762	-933
Heebner	2996	-1167
Toronto	3018	-1189
Lansing	3038	-1209
Stark	3229	-1400
Hertha	3262	-1433
Base Kansas City	3277	-1448
Conglomerate	3302	-1473
Arbuckle	3376	-1547
RTD	3379	-1550

JOB LOG

SWIFT Services, Inc.

DATE 6-18-13 PAGE NO.

CUSTOMER Hess Oil Co WELL NO. #1-14 LEASE Stanley JOB TYPE 2-stage TICKET NO. 24290

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							on loc w/FF
								RTD 3379'
								5 1/2" x 15.5" #3382' x 21'
								Turbo 1-5, 56
								Back 57
								DV 57 @ 1011'
	1645							start FF
	1845					1200		Break Circ + set Pkr Shoe
	1925	5	0			200		start Preflushes 500 gal Mud flush, 20 bbl KCL flush
		5	32/0			200		start 200 sks EA-2 Cement
	1940		48					End Cement
								Wash P/L
								Drop L.D. Plug
	1949	6	0			200		start Displacement 60 w/ 20 mud
		5	60			250		Catch Cement
	2000		80			500 / 1400		Land Plug
								Drop Opening Plug
	2015					1000		Open DV
								Circ 4 hrs
	2350							Plug RH
	0000	5	0					start 200 bbl KCL
		5	20/0					start 945 sks SMD Cement
	0020		80					End Cement
								Drop Closing Plug
	0025	5	0					Start Displacement
	0030		24					Land Plug
								Release Pressure
								DV Closed
								Circ 60 sks to pit
								Thank you Nick, David & Rab

ROGER L. MARTIN

INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY HESS OIL COMPANY
LEASE STANLEY 1-14
FIELD TURKVILLE
LOCATION 1292' FNL & 2970' FEL
SECTION 14 TOWNSHIP 11S RANGE 17W
COUNTY ELLIS STATE KANSAS

ELEVATIONS
KB 1829' GL 1824'
Measurements Are All
From KB
API 15-051-26538-00-00

CONTRACTOR MALLARD DRILLING
SPUD 6/13/13 COMP 6/19/13
RTD 3379' (-1550) LTD NA
ELECTRICAL SURVEYS
No Open Hole E-logs
4 DST's by Trilobite

CASING
SURFACE 8&5/8" X 20# X 209'
set @ 216' w/ 150sx com.
PRODUCTION 5&1/2" X 15.5# set @
3376' (see remarks)

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
TOPEKA		2762' (-933)	06/11/2013- Moved in Mallard Drilling rig. Spudded @ 7:30 PM. Drilled to 216' and ran 5 jts 8-5/8" x 20# x 209' surface casing. Set @ 216' and cemented w/ 150 sx common, 2% gel, 3% cc. CDC. PD @ 1:45 AM 6/12/2013
HEEBNER		2996' (-1167)	
TORONTO		3018' (-1189)	
LANSING		3038' (-1209)	06/12/2013- WOC. 06/13/2013- Drilling ahead @ 1722'. 06/14/2013- Drilling @ 2548'.
STARK		3229' (-1400)	
HERTHA		3262' (-1433)	06/15/2013- Drilled to 3120'. Ran DST #1: 2991'-3120'. 45-45-45-45. Rec 30' mud w/oil spots. Pressures: IH 1442#, IF 17-27#, ISI 225#, FF 29-34#, FSI 119#, FH 1447#.
BASE KANSAS CITY		3277' (-1448)	
CONGLOMERATE		3302' (-1473)	06/16/2013- Drilled to 3143'. Ran DST #2: 3101'-3143'. 45-45-45-45. Rec. 30' of 3% oil, 2% wtr, 95% mud, 60' of 5% oil, 15% wtr, 80% mud, and 210' GIP. Press: IH 1506#, IF 14-39#, ISI 99#, FF 37-53#, FSI 95#, FH 1446#.
ARBUCKLE		3376' (-1547)	
RTD		3379' (-1550)	06/17/2013- Drilled to 3277'. Ran DST #3: 3256'-3277'. 30-30-30-30. Rec 10' mud w/ oil spots. Press: IH 1597#, IF 25-33#, ISI 447#, FF 34-39#, FSI 252#, FH 1537#.
			06/18/2013- Drilled to 3370'. Ran DST #4: 3273'-3379'. 30-45-40-45. Rec 120' of 25% G, 45% O, 15% W, 15% M, 180' of 10% G, 40% O, 50%M; 60' of 5% G, 50% O, 45% M and 75' of 2% G, 98% O. Press: IH 1691#, IF 59-165#, ISI 1115#, FF 167-220#, FSI 1114#, FH 1625#.

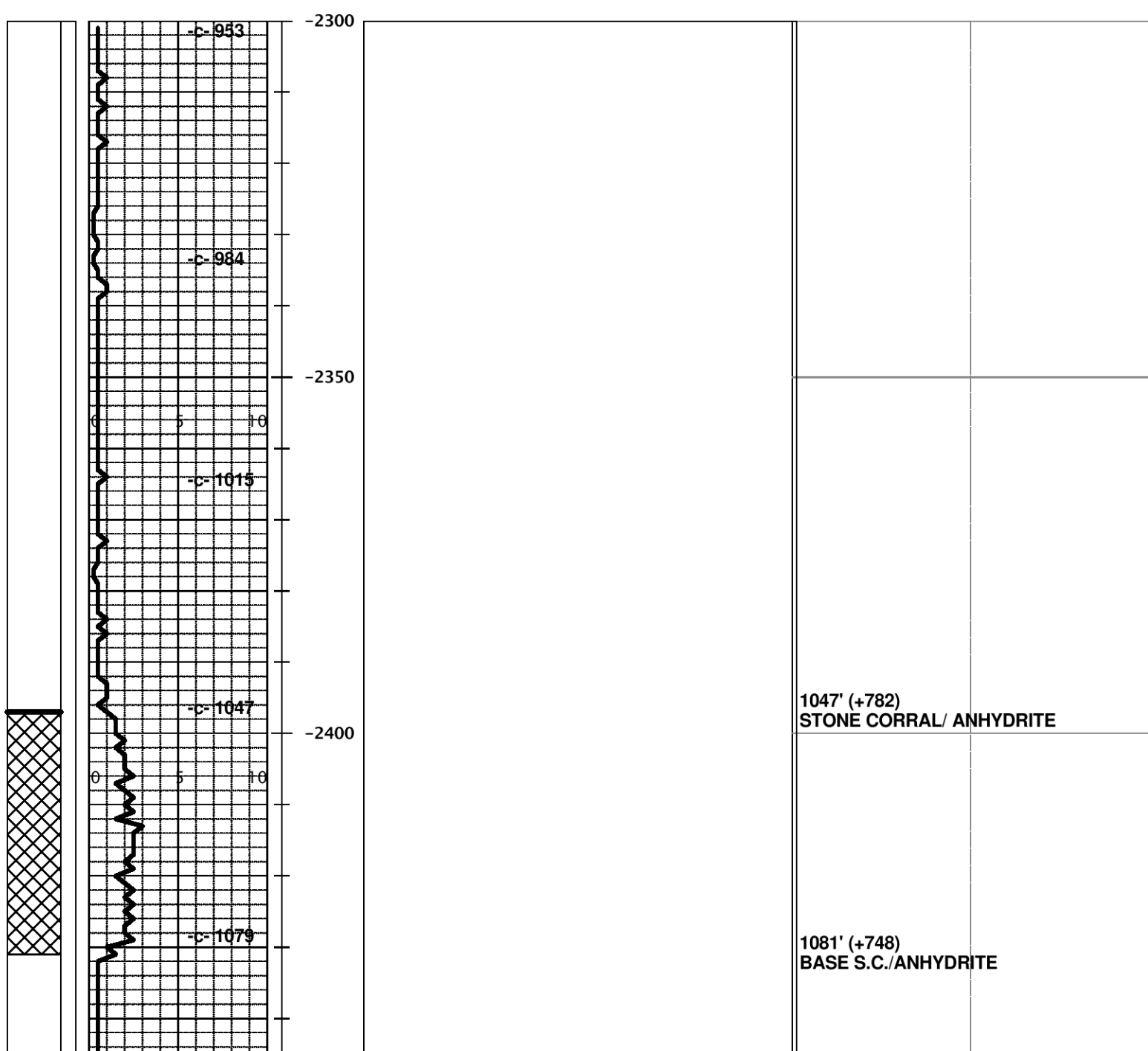
REMARKS:

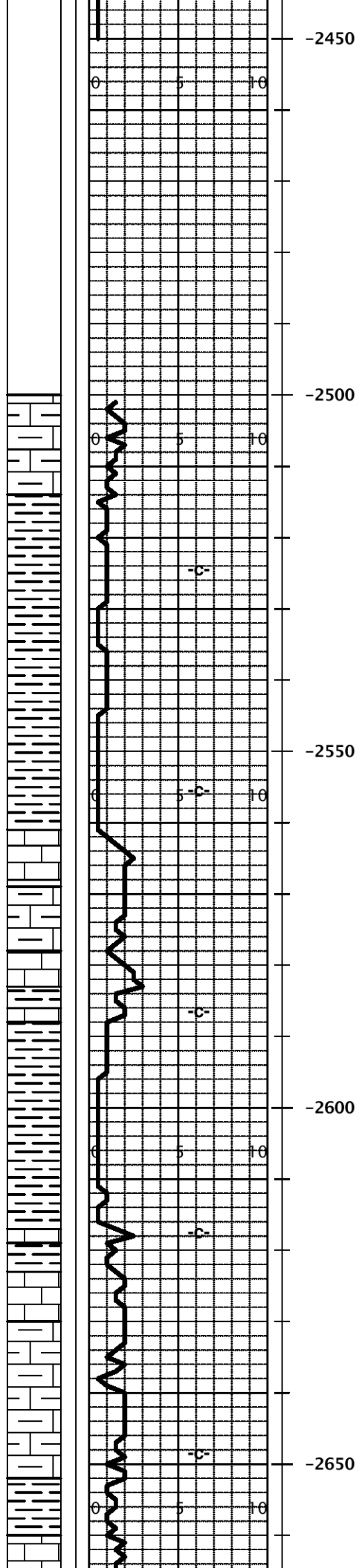
Casing Job: Ran 81 jts 5 1/2" x 15.5# casing. Set @ 3376' and cemented bottom stage w/200 sx EA-2. RH w/30 sx.

No MH. Cemented top stage w/145 sx SMD. CDC. PD @
 12:30 AM 06/19/2013. DV tool @ 1010'.
 Casing Job supervised by James (Jamie) Hess

Respectfully submitted,
 Roger L. Martin, Geologist (Wellsite)

LITH	POROSITY	DRILLING TIME MIN/FT	DST	SAMPLE DESCRIPTION	REMARKS
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-2450

-2500

-2550

-2600

-2650

20' SAMPLES

LS: gy-tn-cm, dn- mx, Pred VPr- NVP; Trc fn oomldc w/Gd Por, NS.

LS: shly & argil w/VC SH.

LS: AA, Pred dn, sm chlky, NS.

LS: AA, Pred dn, sm chlky, NS.

SH: VC.

LS: gy-tn-cm, dn- mx, Pred Pr- NVP, VRr Fr- Gd mldc Por, NS. & SH: AA.

LS: Pred dn & argil, sm chlky, Pr- NVP, NS. VRr mldc w/ NS. & SH: VC, AA.

Pred SH: VC- AA.

LS: dn & argil w/VPr- NVP, sm chlky, NS. Trc oomldc LS w/Gd Por, NS. sm argil, shly, LS.

w/ Gd Por w/ NS. sm argil- shly LS.

SH: VC, sm blk carb.

LS: gy-wh-tn, dn to chlky, sm fos & ool w/Pr- NVP, NS.

SH: gy-blk, sm carb.

-2700

LS: gy-tn-wh, dn- sm argil, sm chlky, VPr- NVP, NS.

SH: VC- AA.

LS: gy, dn, & dn & argil- shly w/Pr- NVP.

LS: tn-gy, dn- mx- fnx w/VPr- NVP, NS.

-2750

SH- SILTS: sm blk carb SH.

{TOPEKA} LS: gy-bf-cm, Pred dn- mx- Vfnxln, sm argil, VPr- NVP, NS.

2762' (-933)
TOPEKA

LS: gy-cm & tn, mx- fnx, sm fos- fragmntl Pkst w/Pr- Trc Fr Por, NS, sm chlky & sm argil.

CES(-953)

LS: gy-tn-cm, Pred dn- mx, Rr fnx, sm fos, sm argil, Pred VPr- NVP w/ NS.

{Trc SFO}

LS: cm-bf-gy, mx- Vfnxln, sm m- sucro- SI dolomc, VRr fn- MdX's- 2nd ReX, sm grnlr Pkst: Pr- Trc Fr Por: IX Por, IGr Por, pp Por, Trc <1% w/spt'd- sat STN & FLR & Cut, Trc SFO & Cut, Trc Odor; sm chlky.

-2800

SH: blk carb.
LS: dn- argil.
SH: gy-gn-rd.

CES(-977)
wt: 8.6
vis: 45
LCM 2#

LS: cm-bf, gy, mx- Vfnx- sm msucro, sm chlky, Pr- Fr Por: IX Por, I Gr Por, pp Por, NS. sm md- fn X's, Rr dull FLR, NSO, NC. SI Cherty.

LS: tn-gy-cm, dn- mx w/VPr- NVP.

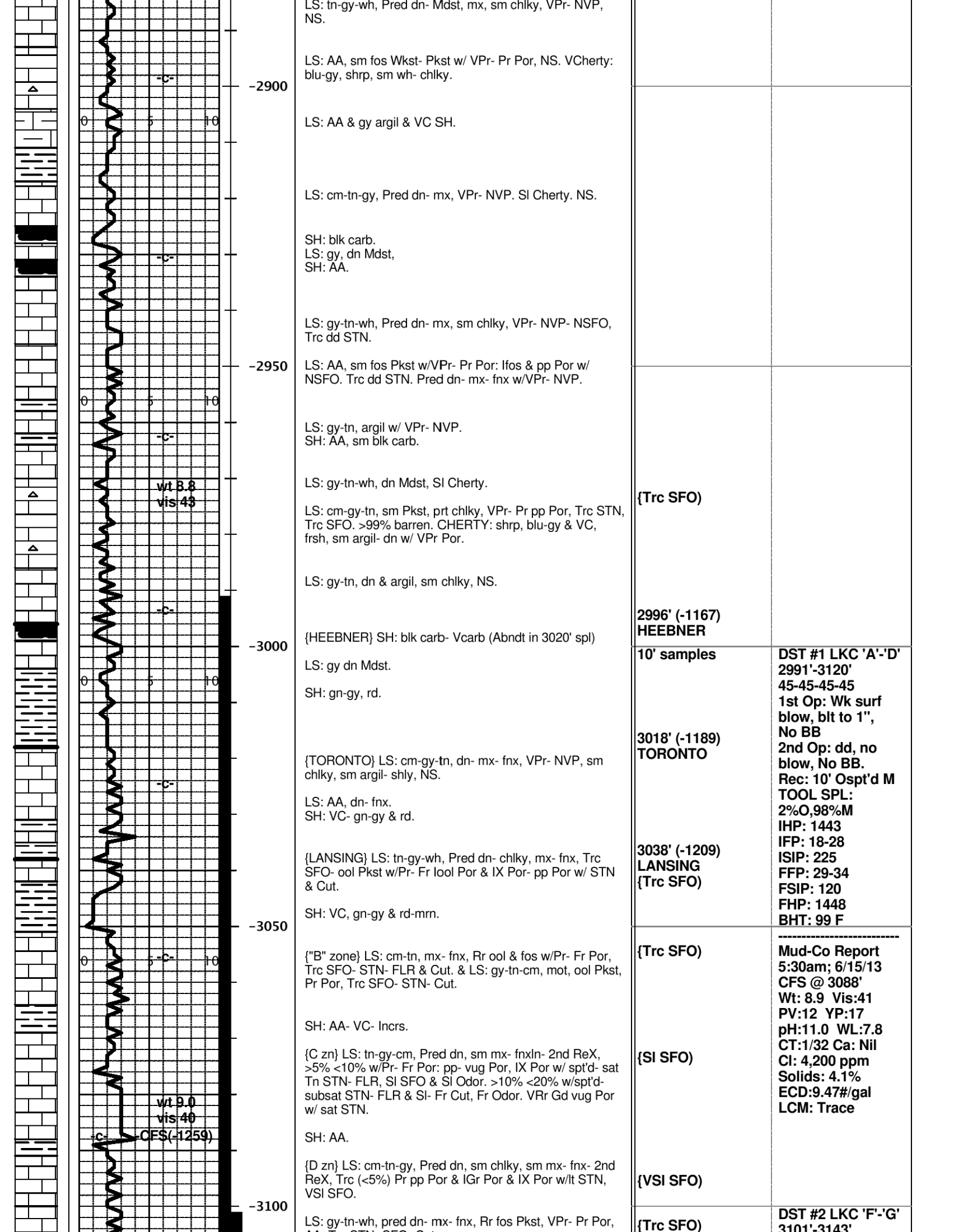
-2850

LS: AA & argil Mdst, VPr- NVP.

LS: cm-bf-gy, sm fos Pkst w/Pr- Fr Por, NS. sm chlky, SI Cherty.

SH: blk carb.
LS: tn-gy, dn.

SH: AA & gy.



LS: tn-gy-wh, Pred dn- Mdst, mx, sm chlky, VPr- NVP, NS.

LS: AA, sm fos Wkst- Pkst w/ VPr- Pr Por, NS. VCherty: blu-gy, shrp, sm wh- chlky.

LS: AA & gy argil & VC SH.

LS: cm-tn-gy, Pred dn- mx, VPr- NVP. SI Cherty. NS.

SH: blk carb.
LS: gy, dn Mdst,
SH: AA.

LS: gy-tn-wh, Pred dn- mx, sm chlky, VPr- NVP- NSFO, Trc dd STN.

LS: AA, sm fos Pkst w/VPr- Pr Por: lfos & pp Por w/ NSFO. Trc dd STN. Pred dn- mx- fnx w/VPr- NVP.

LS: gy-tn, argil w/ VPr- NVP.
SH: AA, sm blk carb.

LS: gy-tn-wh, dn Mdst, SI Cherty.

LS: cm-gy-tn, sm Pkst, prt chlky, VPr- Pr pp Por, Trc STN, Trc SFO. >99% barren. CHERTY: shrp, blu-gy & VC, frsh, sm argil- dn w/ VPr Por.

LS: gy-tn, dn & argil, sm chlky, NS.

{HEEBNER} SH: blk carb- Vcarb (Abndt in 3020' spl)

LS: gy dn Mdst.

SH: gn-gy, rd.

{TORONTO} LS: cm-gy-tn, dn- mx- fnx, VPr- NVP, sm chlky, sm argil- shly, NS.

LS: AA, dn- fnx.
SH: VC- gn-gy & rd.

{LANSING} LS: tn-gy-wh, Pred dn- chlky, mx- fnx, Trc SFO- ool Pkst w/Pr- Fr lool Por & IX Por- pp Por w/ STN & Cut.

SH: VC, gn-gy & rd-mrn.

{"B" zone} LS: cm-tn, mx- fnx, Rr ool & fos w/Pr- Fr Por, Trc SFO- STN- FLR & Cut. & LS: gy-tn-cm, mot, ool Pkst, Pr Por, Trc SFO- STN- Cut.

SH: AA- VC- Incrs.

{C zn} LS: tn-gy-cm, Pred dn, sm mx- fnxIn- 2nd ReX, >5% <10% w/Pr- Fr Por: pp- vug Por, IX Por w/ spt'd- sat Tn STN- FLR, SI SFO & SI Odor. >10% <20% w/spt'd- subsat STN- FLR & SI- Fr Cut, Fr Odor. VRr Gd vug Por w/ sat STN.

SH: AA.

{D zn} LS: cm-tn-gy, Pred dn, sm chlky, sm mx- fnx- 2nd ReX, Trc (<5%) Pr pp Por & IGr Por & IX Por w/lt STN, VSI SFO.

LS: gy-tn-wh, pred dn- mx- fnx, Rr fos Pkst, VPr- Pr Por,

wt 8.8
vis 43

wt 9.0
vis 40

CFS(-1259)

{Trc SFO}

2996' (-1167)
HEEBNER

10' samples

3018' (-1189)
TORONTO

3038' (-1209)
LANSING
{Trc SFO}

{Trc SFO}

{SI SFO}

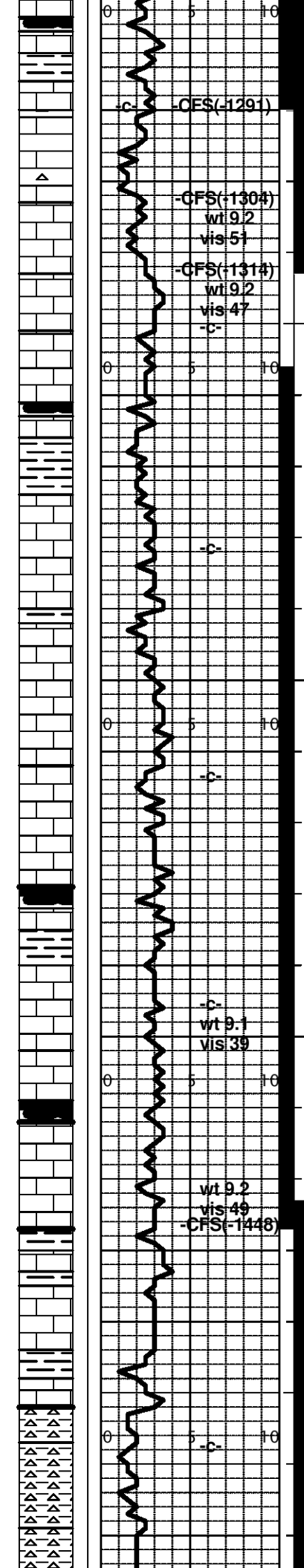
{VSI SFO}

{Trc SFO}

DST #1 LKC 'A'-D'
2991'-3120'
45-45-45-45
1st Op: Wk surf
blow, blt to 1",
No BB
2nd Op: dd, no
blow, No BB.
Rec: 10' Ospt'd M
TOOL SPL:
2%O,98%M
IHP: 1443
IFP: 18-28
ISIP: 225
FFP: 29-34
FSIP: 120
FHP: 1448
BHT: 99 F

Mud-Co Report
5:30am; 6/15/13
CFS @ 3088'
Wt: 8.9 Vis:41
PV:12 YP:17
pH:11.0 WL:7.8
CT:1/32 Ca: Nil
Cl: 4,200 ppm
Solids: 4.1%
ECD:9.47#/gal
LCM: Trace

DST #2 LKC 'F'-G'
3101'-3143'



AA, Trc STN- SFO- Cut.
SH: blk carb; & LS: gy, dn Mdst & argil.
SH: VC, sm calc.

{E zn} LS: cm-tn-gy, Pred dn, mx- Vfnx, <5% w/pp Por, IGr Por, spt'd-subsat STN- FLR, SI SFO & Cut.

{F zn}LS: gy-tn-cm, Pred dn- mx- Rr fnx- 2nd ReX, sm fos & grnlr Pkst, Pr- Fr Por, <5% w/spt'd- sat FLR- STN- SI SFO & SI Odor. SI CHERTY: gy-tn-wh, sm fos.

{G zn} LS: cm-gy-tn, sm STN, mx- fnx- sm 2nd ReX, ~10% w/Pr- Fr Por- Fr SFO & GB- STN, Fr Odor. VRr Gd Por: mlcd- ool- STN- SFO.

LS: tn-wh, dn- mx & fnx & chlky w/Pred VPr- NVP (Trc LS w/ Por- STN- SFO AA)

LS: gy-tn-wh, Pred dn, sm chlky, VRr ool & fos w/ Fr- Gd Por w/ STN- SFO- FLR- Cut.

SH: sm blk carb; & LS: gy, dn, VPr- NVP.

SH: (Abndt in 3170' spl) gy & gn & blk carb.

{H zn} LS: lt tn-gy-wh, Pred dn- mx- fnx- SI 2nd ReX, sm chlky, Rr fos, VPr- Fr pp Por, Trc SFO- STN- FLR- Cut. SI CHERTY: ool & fos, opq. SH: gy-blk, rd.

{I zn} LS: tn-gy-wh, Pred dn & chlky, sm fos & frgmntl, Pr- Fr Por: IX Por, pp- vug Por, I fos Por, Trc Gd IX & IGr Por, SI- Fr SFO & GB, VRr sat STN, SI- Fr Cut, VSI Odor, Pred dn- chlky w/VPr- NVP. Trc Grst: fos & ool w/Gd IGr & Ifos Por w/ STN- SFO- Cut.

{J zn}LS: tn-wh, Pred dn- chlky, Rr grnlr Pkst & mx- fnx w/ Pr- Fr Ifos Por, VRr Gd Por: mlcd w/ STN & SI- Fr SFO & Odor w/ sm Gs Bubles, >5% <10% w/ STN- SFO- Cut.

{STARK} SH: blk carb.
LS: tn-gy, dn- mx, NVP.
SH: VC.

{Swope} LS: tn-wh, Rr ool & fos Pkst, ~10% w/Pr- Fr Por: lool & fos, I Gr Por w/ spt'd- sat lt Tn STN & FLR, SI- Fr SFO- Gs Bubles.

Pred dn- chlky.

SH: gy & blk carb.

{HERTHA} LS: tn-wh, mx- fnx, ~5% w/Pr- Fr Por: IGr Por, lool Por, fos & mlcd Por w/spt'd- subsat FLR & STN, SI SFO w/ sm Gs bubls & Cut, Incrs ool & fos Pkst. sm chlky.

{BASE KANSAS CITY} SH: blk carb & VC.

LS: wh-gy-tn, prt chlky & mx- fnxln, sm ool Pkst, VPr- NVP. NS.

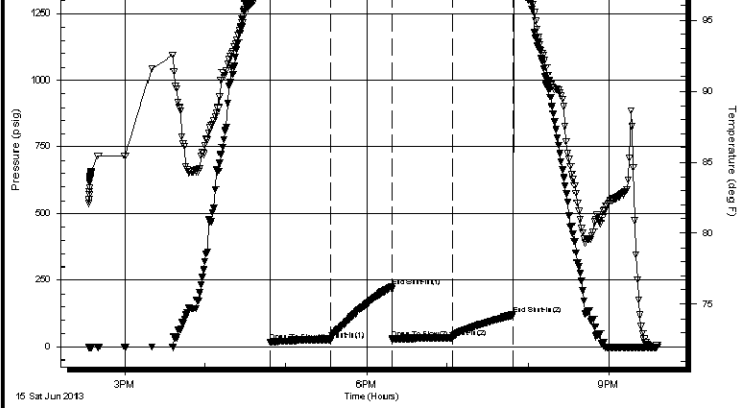
SH: VC, Pred rd.
LS: AA, dn Mdst.

{CONGLOMERATE} SH: Pred mrr- rd, Rr CHERT: cm- yel-gn, shrp.

CHERT: wh-cm-gy, blu-gy, shrp & shly- rd SH, sm wthr'd Chert w/ Pr visbl Por- NVP, NSFO, NF, NC.

SH: Pred rd SH, AA. sm Chert & LS, AA.

<p>{SI SFO}</p> <p>{SI SFO}</p> <p>{Fr SFO}</p>	<p>3157' (-1291) 45-45-45-45 Rec: 60' TF: 30' VSIOC MW (3%O,2%W 95%M) 60' VSIOC MW (5%O,15%W 80%M) TOOL SPL: 2%O,58%W 40%M IHP: 1507 IFP: 15-39 ISIP: 100 FFP: 38-53 FSIP: 96</p>
<p>{VSI SFO}</p> <p>{Trc SFO}</p>	<p>FHP: 1446 BHT: 98 F</p> <hr/> <p>Mud-Co Report 5:30am; 6-16-13 TIH w/ DST#2 @ 3143' Wt:9.1 Vis:53 PV:15 YP:20 pH:10.5 WL:7.8 CT:1/32" Ca:Trc Cl: 4,500 ppm Solids: 5.5% LCM: 1#/bbl ECD: 9.72#/gal.</p>
<p>{SI SFO&GB}</p> <p>{SI- Fr SFO}</p> <p>3229' (-1400) STARK SH</p>	<p>DST #3 LKC 'H'-'L' 3156'-3277' 30-30-30-30 1st Op: Wk surf blow, No BB 2nd Op: dd, no blow, No BB. Rec: 10' Ospt'd M TOOL SPL: 100%M w/Ospts IHP: 1597 IFP: 25-33 ISIP: 447 FFP: 34-40 FSIP: 252 FHP: 1448 BHT: 100 F</p>
<p>{SI- Fr SFO & GB}</p> <p>3262' (-1433) HERTHA</p> <p>{SI SFO}</p> <p>3277' (-1448) BASE KANSAS CITY</p>	<p>Mud-Co Report 6:00am; 6/17/13 TOH w/ DST#3 @ 3277' Wt:9.2 Vis:51 PV:11 YP:20 pH:10.5 WL:7.8 CT:1/32 Ca:Trc Cl: 4,500 ppm Solids: 6.2% LCM: 2# ECD: 9.81</p>
<p>3302' (-1473) CONGLOMERATE</p> <p>Mud-Co Report 5:30am; 6/18/13 DST#4 @ 3379'</p>	<p>DST #4 ARBUCKLE 3273'-3379' 30-45-30-45 1st Op: BOB in 20 min, No BB 2nd Op: BOB in 20 min, No BB Rec: 75' Gsv OIL</p>



0	1442.81	98.07	Initial Hydro-static
1	17.69	97.26	Open To Flow (1)
46	27.91	98.04	Shut-In(1)
91	225.12	98.38	End Shut-In(1)
92	29.12	98.30	Open To Flow (2)
137	34.48	98.57	Shut-In(2)
181	119.74	98.81	End Shut-In(2)
183	1447.56	99.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M w ith oil spots	0.15
0.00	Tool Sample 2%O 98%M	0.00

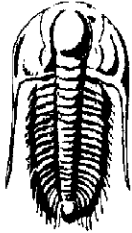
Gas Rates

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

Trilobite Testing, Inc

Ref. No: 5324

Printed: 2013.06.15 @ 22:49:09

 <p>TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT	FLUID SUMMARY
	Hess Oil Company PO Box 1009 McPherson KS, 67460 ATTN: Roger Martin	14-11-17-Ellis Co KS Stanley #1-14 Job Ticket: 5324 Test Start: 2013.06.15 @ 14:33:34

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: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%M w ith oil spots	0.148
0.00	Tool Sample 2%O 98%M	0.000

Total Length: 30.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

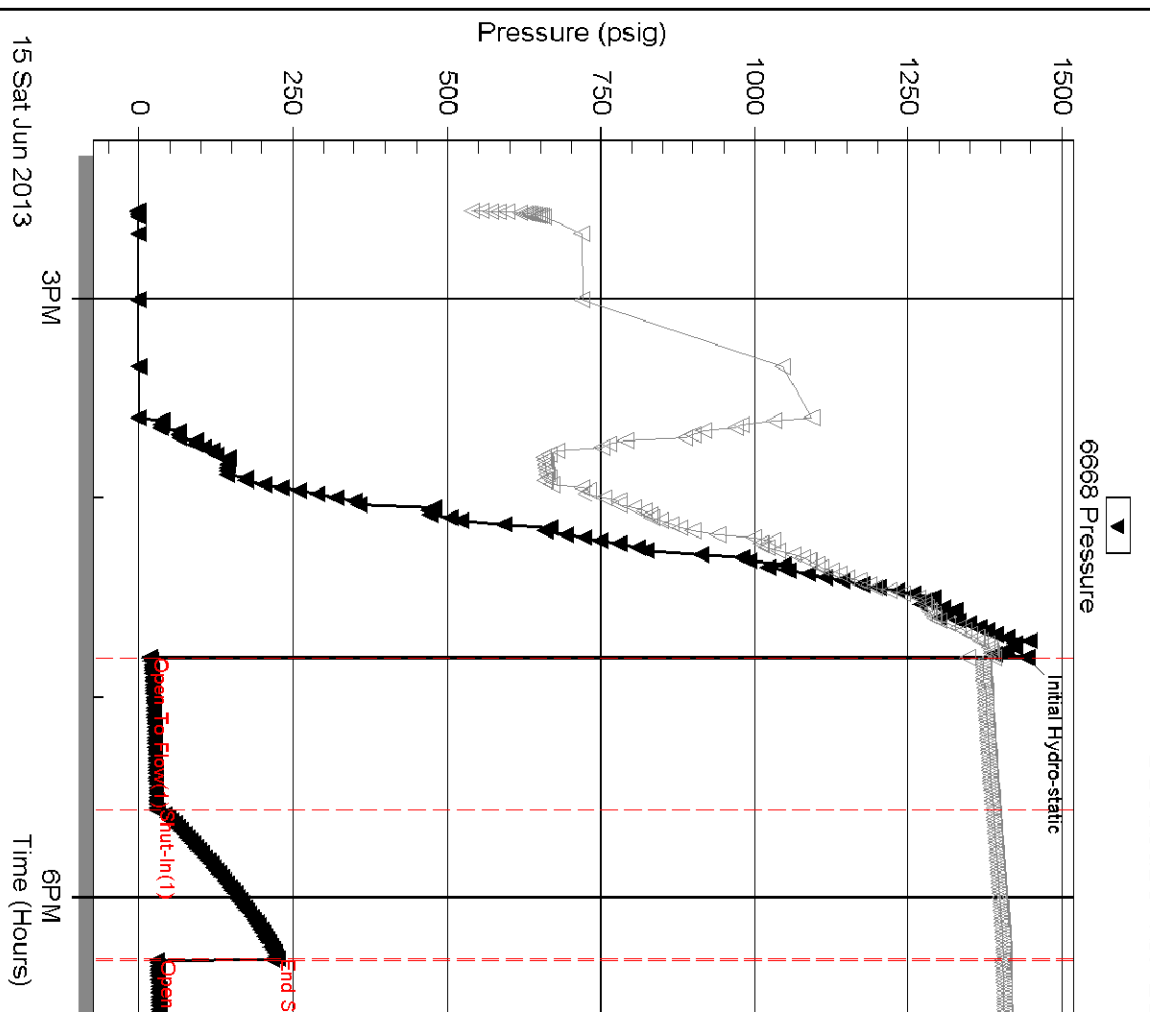
Serial #: 6668

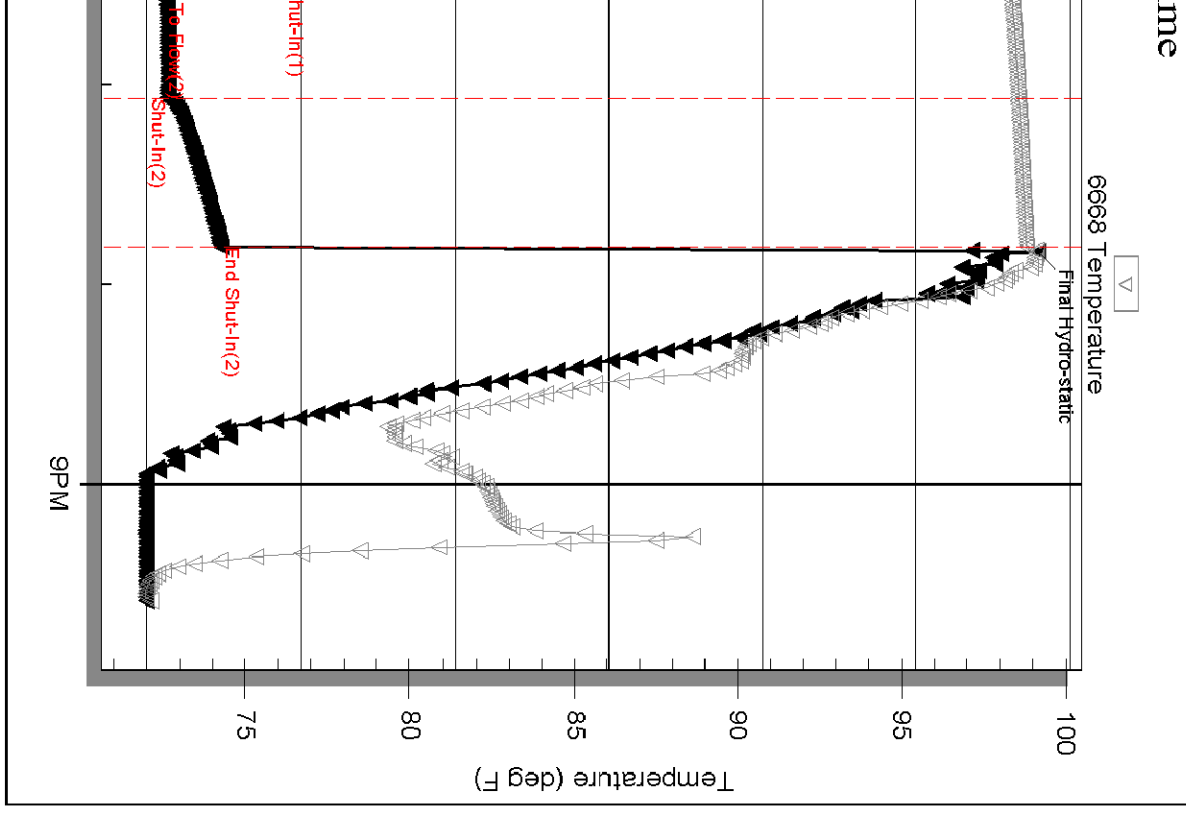
Inside

Hess Oil Company

Stanley #1-

Pressure vs. Time





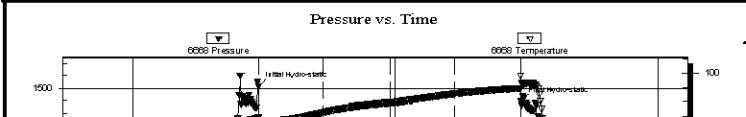
Printed: 2013.06.15 @ 22:49:10

	DRILL STEM TEST REPORT	
	Hess Oil Company PO Box 1009 McPherson KS, 67460 ATTN: Roger Martin	14-11-17-Ellis Co KS Stanley #1-14 Job Ticket: 53225 DST#: 2 Test Start: 2013.06.16 @ 05:31:09

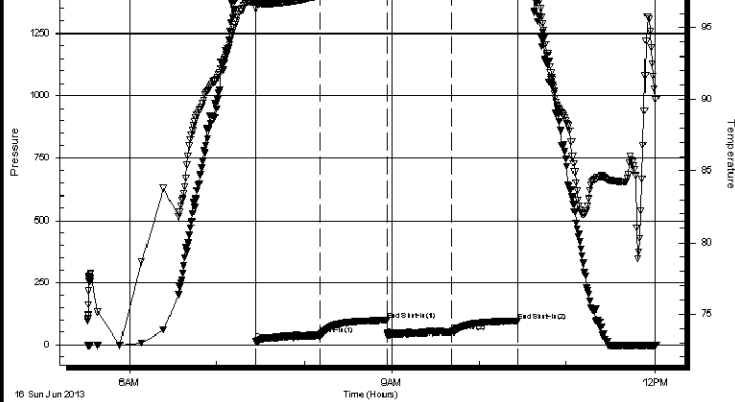
GENERAL INFORMATION:			
Formation:	Lansing F-G		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	07:26:54		Tester: Tate Lang
Time Test Ended:	12:00:39		Unit No: 54
Interval:	3101.00 ft (KB) To 3143.00 ft (KB) (TVD)	Reference Elevations:	1829.00 ft (KB)
Total Depth:	3120.00 ft (KB) (TVD)		1824.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Good
		KB to GR/CF:	5.00 ft

Serial #: 6668	Inside		
Press@RunDepth:	53.25 psig @	3102.00 ft (KB)	Capacity: 8000.00 psig
Start Date:	2013.06.16	End Date: 2013.06.16	Last Calib.: 2013.06.16
Start Time:	05:31:11	End Time: 12:00:39	Time On Btm: 2013.06.16 @ 07:26:39
			Time Off Btm: 2013.06.16 @ 10:26:54

TEST COMMENT: Fair surface blow built to 5 1/2in.
 Dead no blow back
 Fair surface blow built to 5 1/2in.
 Dead no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.74	96.86	Initial Hydro-static



0	1500.74	90.80	Initial Hydro-static
1	14.69	96.35	Open To Flow (1)
44	39.30	97.24	Shut-In(1)
90	99.70	97.94	End Shut-In(1)
91	37.73	97.92	Open To Flow (2)
135	53.25	98.56	Shut-In(2)
180	95.59	98.95	End Shut-In(2)
181	1446.45	99.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	3%O 2%W 95%M	0.15
60.00	5%O 15%W 80%M	0.30
0.00	210 GIP	0.00
0.00	Tool sample 2%O 58%W 40%M	0.00

* Recovery from multiple tests

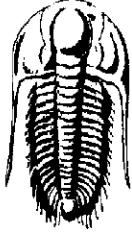
Gas Rates

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

Trilobite Testing, Inc

Ref. No: 53225

Printed: 2013.06.17 @ 07:55:14

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT	FLUID SUMMARY
	Hess Oil Company PO Box 1009 McPherson KS, 67460 ATTN: Roger Martin	14-11-17-Ellis Co KS Stanley #1-14 Job Ticket: 53225 Test Start: 2013.06.16 @ 05:31:09

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:	23000 ppm
Viscosity: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	3%O 2%W 95%M	0.148
60.00	5%O 15%W 80%M	0.295
0.00	210 GIP	0.000
0.00	Tool sample 2%O 58%W 40%M	0.000

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .330 @ 65 F = 23000 on the tool sample

Serial #: 6668

Inside

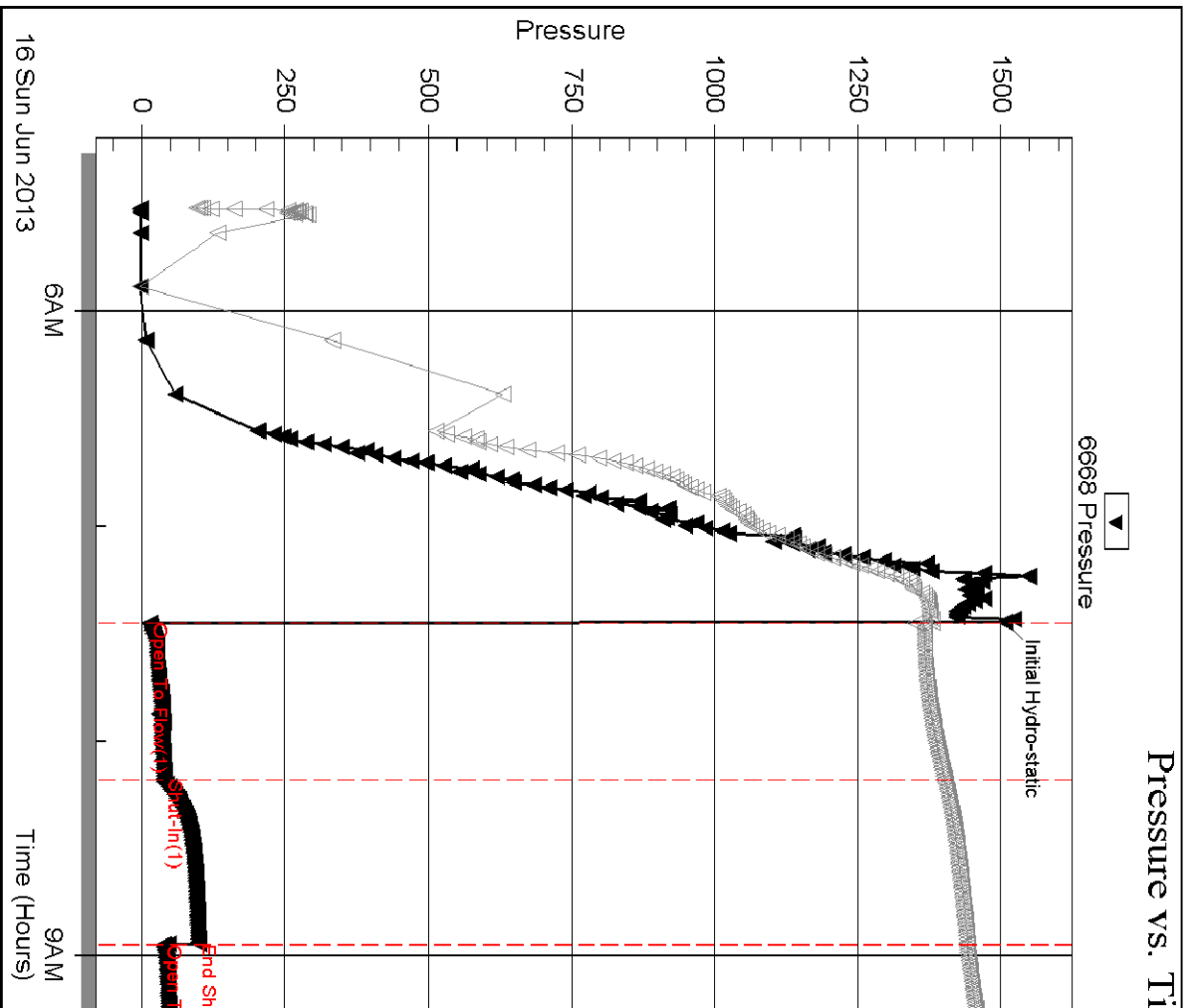
Hess Oil Company

Stanley #1-

Printed: 2013.06.17 @ 07:55:15

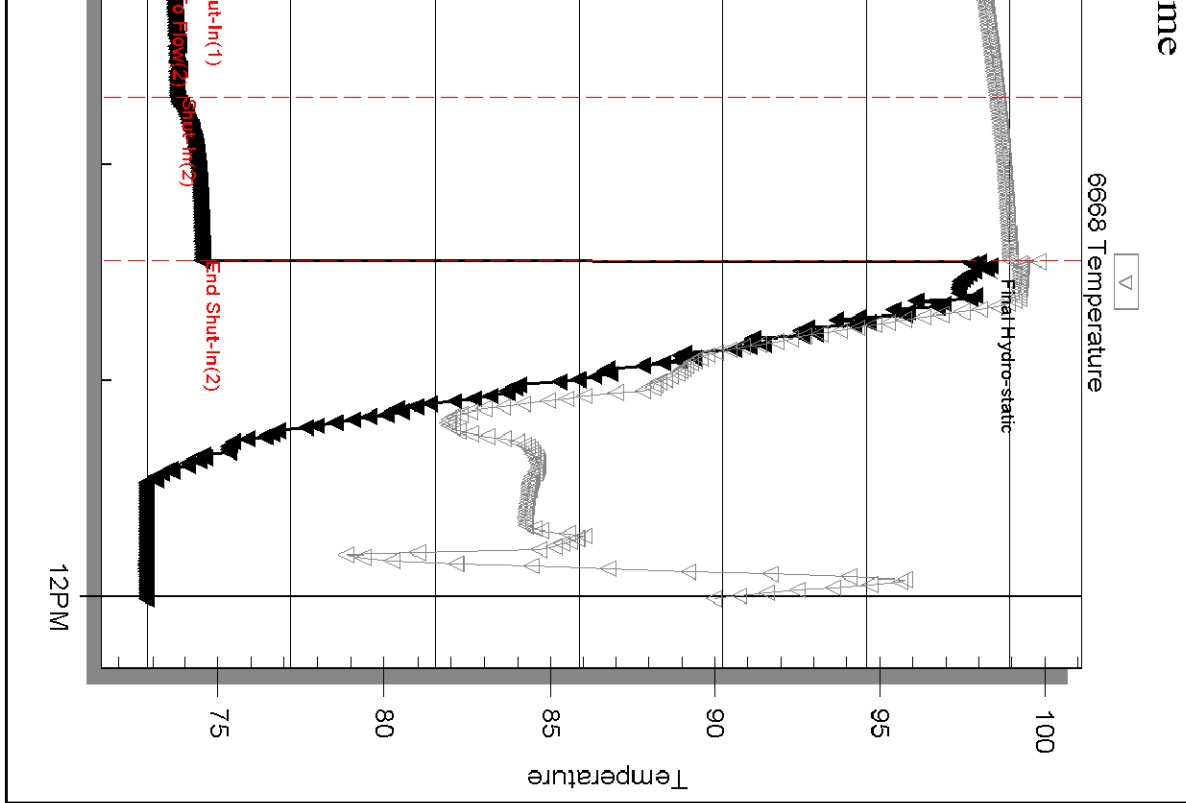
Ref. No: 53225

Trilobite Testing, Inc



Trilobite Testing, Inc

Ref. No: 53225



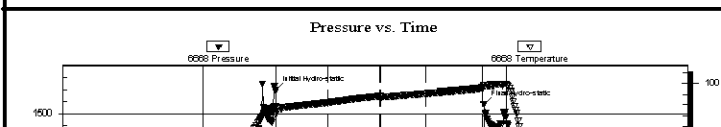
Printed: 2013.06.17 @ 07:55:15

	DRILL STEM TEST REPORT	
	Hess Oil Company PO Box 1009 McPherson KS, 67460 ATTN: Roger Martin	14-11-17-Ellis Co KS Stanley #1-14 Job Ticket: 53977 DST#: 3 Test Start: 2013.06.17 @ 01:53:37

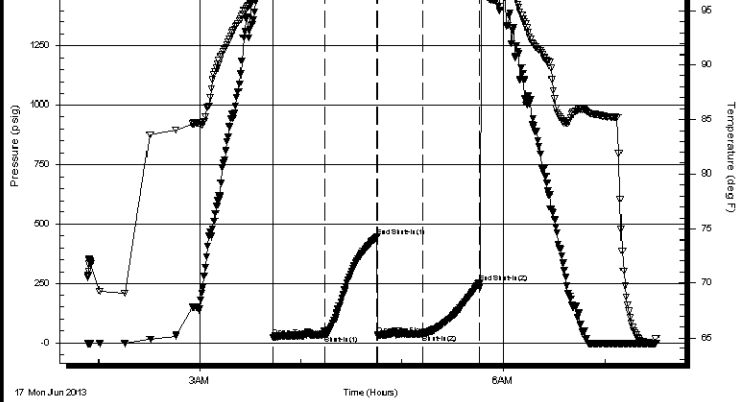
GENERAL INFORMATION:			
Formation:	LKC H-L		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	03:43:22		Tester: Tate Lang
Time Test Ended:	07:30:07		Unit No: 54
Interval:	3256.00 ft (KB) To 3277.00 ft (KB) (TVD)		Reference Elevations: 1829.00 ft (KB)
Total Depth:	3277.00 ft (KB) (TVD)		1824.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 6668	Inside		
Press@RunDepth:	39.52 psig @	3157.00 ft (KB)	Capacity: 8000.00 psig
Start Date:	2013.06.17	End Date: 2013.06.17	Last Calib.: 2013.06.17
Start Time:	01:53:39	End Time: 07:30:07	Time On Btm: 2013.06.17 @ 03:43:07
			Time Off Btm: 2013.06.17 @ 05:46:52

TEST COMMENT: Weak surface blow
 Dead no blow back
 Dead no blow
 Dead no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.04	97.88	Initial Hydro-static



0	1537.04	97.00	Initial Hydro-static
1	25.34	97.15	Open To Flow (1)
32	33.00	98.22	Shut-In(1)
63	447.41	98.84	End Shut-In(1)
63	34.21	98.60	Open To Flow (2)
89	39.52	99.07	Shut-In(2)
123	251.57	99.54	End Shut-In(2)
124	1537.00	99.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M w ith oil spots	0.05
0.00	Tool Sample 100%M w ith oil spots	0.00

* Recovery from multiple tests

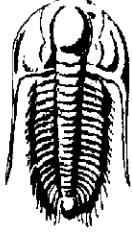
Gas Rates

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

Trilobite Testing, Inc

Ref. No: 53977

Printed: 2013.06.17 @ 07:53:33

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT	FLUID SUMMARY
	<p>Hess Oil Company</p> <p>PO Box 1009 McPherson KS, 67460</p> <p>ATTN: Roger Martin</p>	<p>14-11-17-Ellis Co KS</p> <p>Stanley #1-14</p> <p>Job Ticket: 53977 DST#: 3</p> <p>Test Start: 2013.06.17 @ 01:53:37</p>

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.50 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M w ith oil spots	0.049
0.00	Tool Sample 100%M w ith oil spots	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

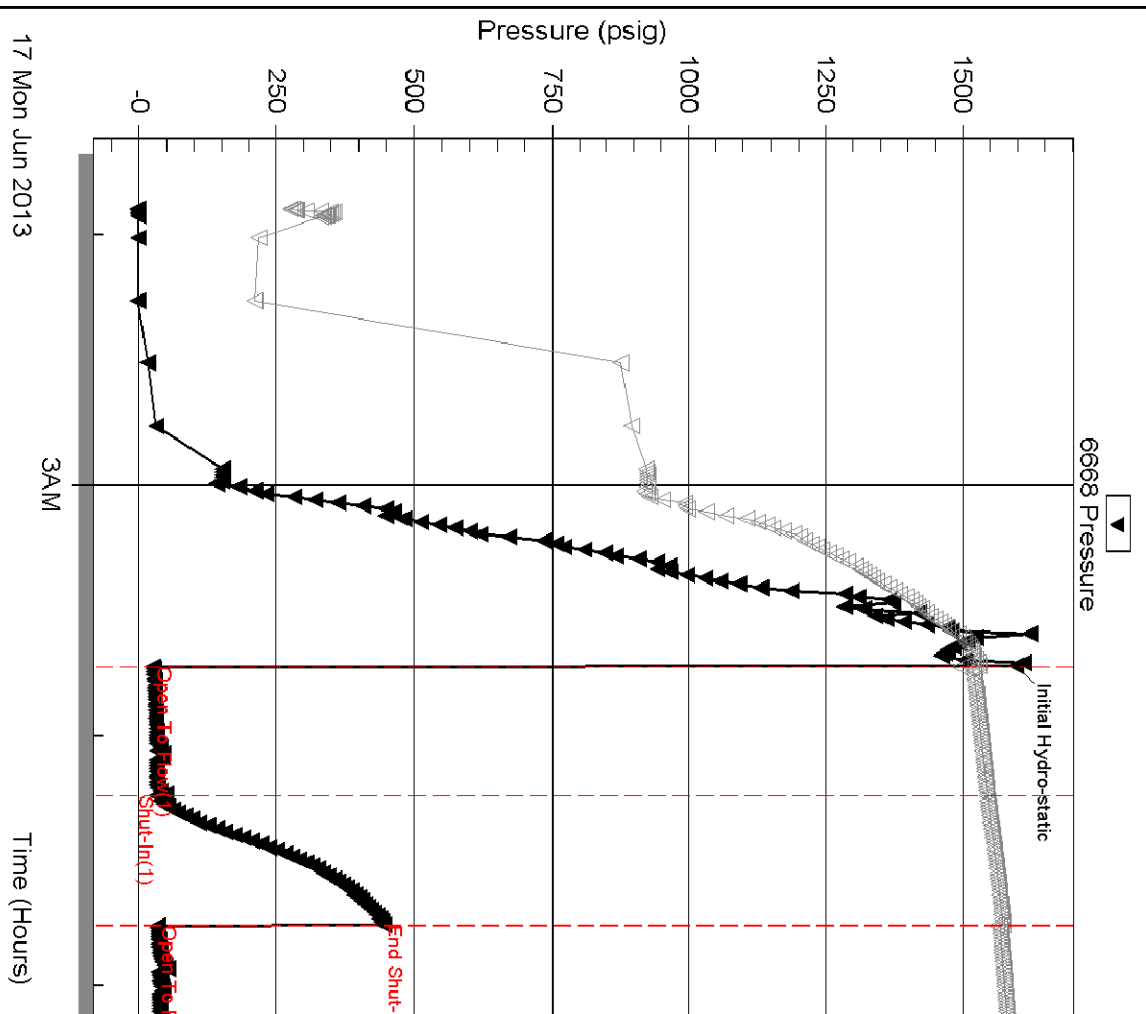
Serial #: 6668

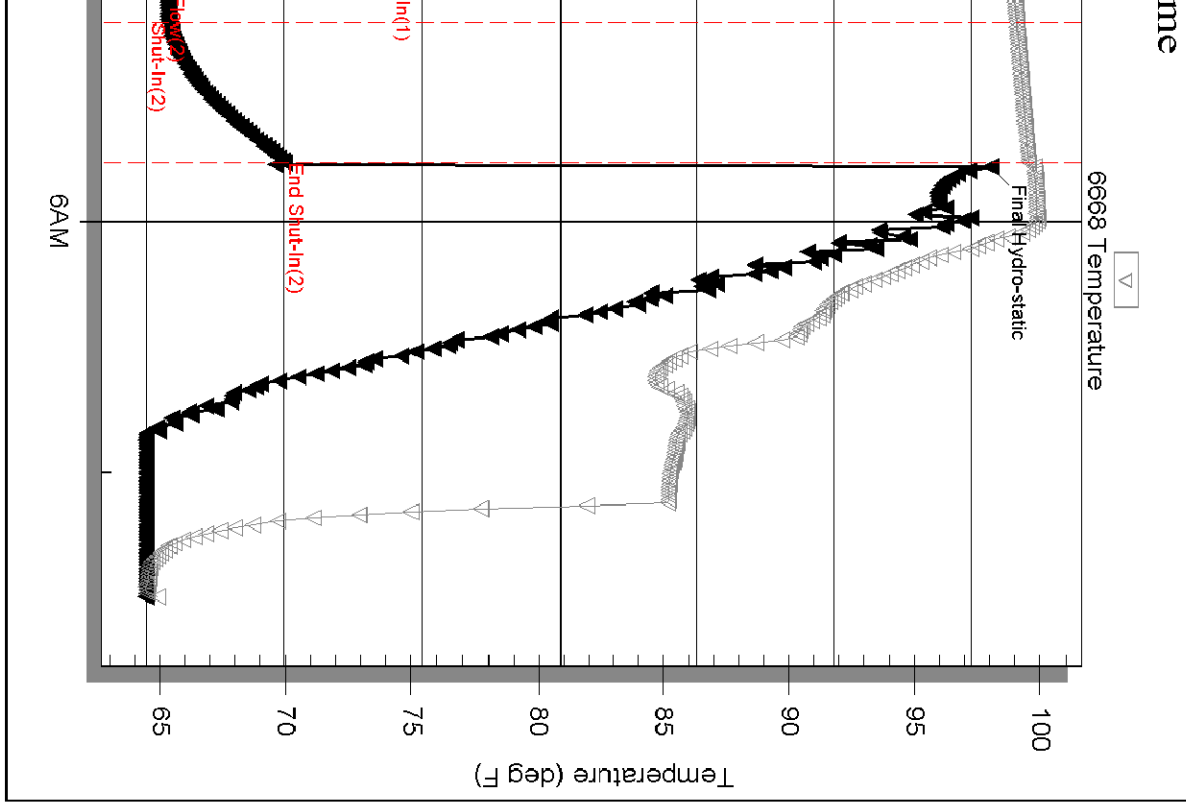
Inside

Hess Oil Company

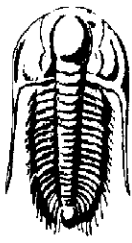
Stanley #1-

Pressure vs. Time





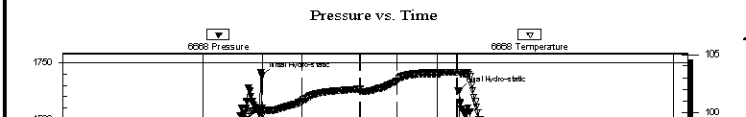
Printed: 2013.06.17 @ 07:53:34

	DRILL STEM TEST REPORT	
	Hess Oil Company PO Box 1009 McPherson KS, 67460 ATTN: Roger Martin	14-11-17-Ellis Co KS Stanley #1-14 Job Ticket: 53978 DST#: 4 Test Start: 2013.06.18 @ 01:33:25

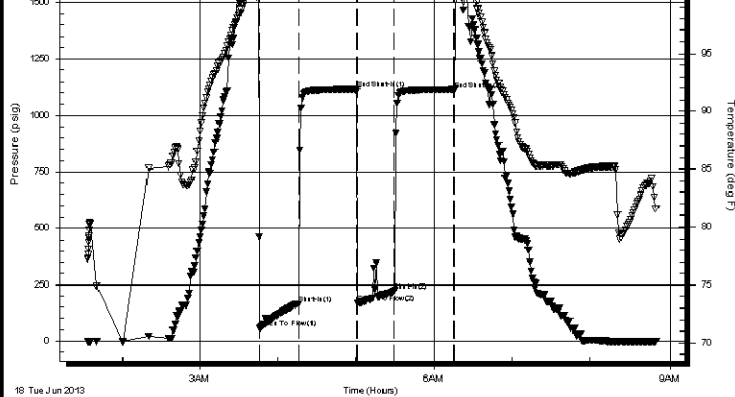
GENERAL INFORMATION:			
Formation:	Arbuckle		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	03:46:10		Tester: Tate Lang
Time Test Ended:	08:49:40		Unit No: 54
Interval:	3273.00 ft (KB) To 3379.00 ft (KB) (TVD)		Reference Elevations: 1829.00 ft (KB)
Total Depth:	3379.00 ft (KB) (TVD)		1824.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 6668	Inside				
Press@RunDepth:	220.84 psig @	3274.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2013.06.18	End Date:	2013.06.18	Last Calib.:	2013.06.18
Start Time:	01:33:27	End Time:	08:49:40	Time On Btm:	2013.06.18 @ 03:45:25
				Time Off Btm:	2013.06.18 @ 06:16:40

TEST COMMENT: B.O.B. in 20 mins.
 Dead no blow back
 B.O.B. in 20 mins.
 Dead no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1691.75	100.40	Initial Hydro-static



1	100.10	100.10	Open To Flow (1)
31	165.45	100.90	Shut-In(1)
75	1115.99	102.01	End Shut-In(1)
76	167.45	101.81	Open To Flow (2)
104	220.84	102.72	Shut-In(2)
151	1114.73	103.45	End Shut-In(2)
152	1625.97	103.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	25%G 45%O 15%W 15%M	0.59
180.00	10%G 40%O 50%M	0.92
60.00	5%G 50%O 45%M	0.84
75.00	2%G 98%O	1.05
0.00	Tool Sample 30%G 30%O 10%W 30%M	0.00

* Recovery from multiple tests

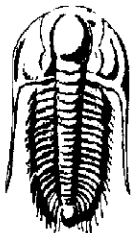
Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 53978

Printed: 2013.06.18 @ 10:01:46

 <p>TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT	FLUID SUMMARY
	<p>Hess Oil Company</p> <p>PO Box 1009 McPherson KS, 67460</p> <p>ATTN: Roger Martin</p>	<p>14-11-17-Ellis Co KS</p> <p>Stanley #1-14</p> <p>Job Ticket: 53978</p> <p>Test Start: 2013.06.18 @ 01:33:25</p>

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	25%G 45%O 15%W 15%M	0.590
180.00	10%G 40%O 50%M	0.922
60.00	5%G 50%O 45%M	0.842
75.00	2%G 98%O	1.052
0.00	Tool Sample 30%G 30%O 10%W 30%M	0.000

Total Length: 435.00 ft Total Volume: 3.406 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API 27 @ 80 F = 29

Serial #: 6668

Inside

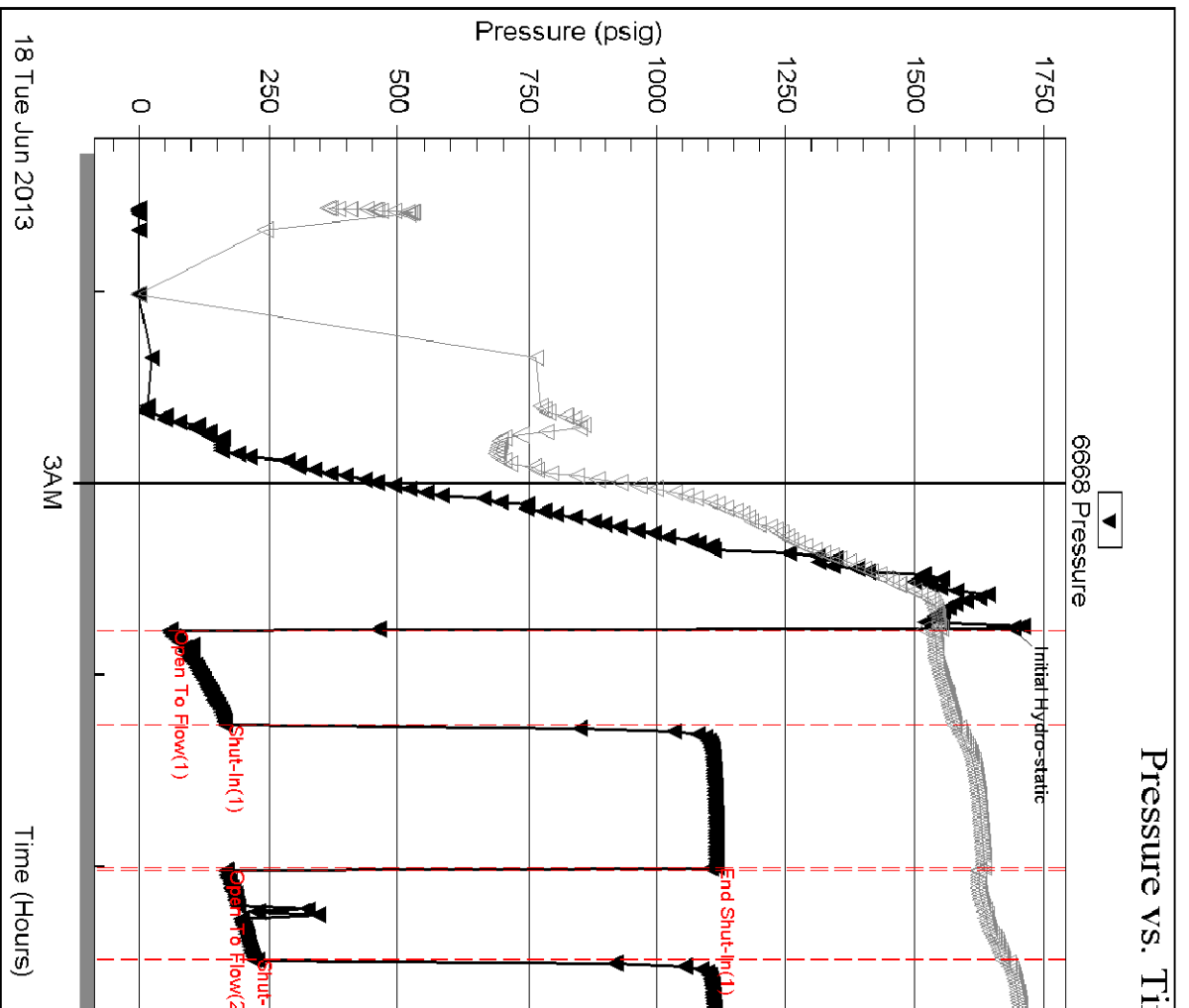
Hess Oil Company

Stanley #1-

Printed: 2013.06.18 @ 10:01:47

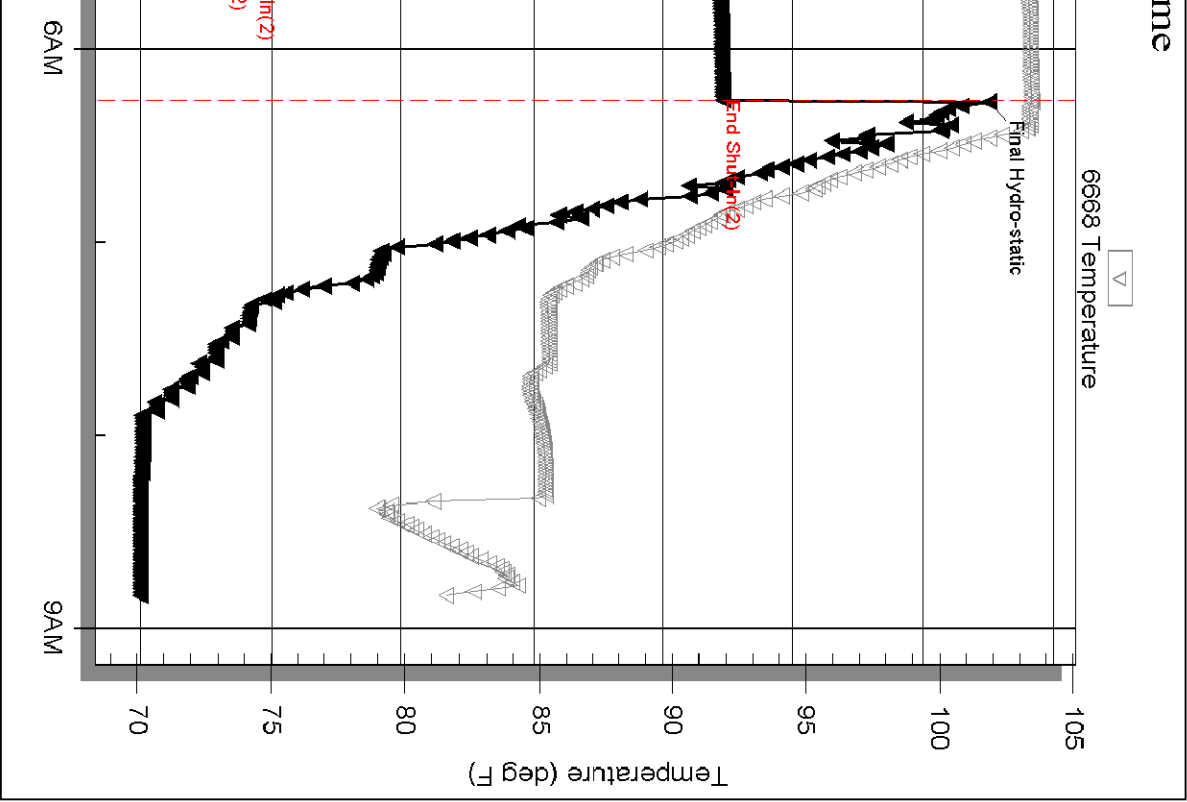
Ref. No: 53978

Trilobite Testing, Inc



Trilobite Testing, Inc

Ref. No: 53978



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 09, 2013

Bryan Hess
Hess Oil Company
PO BOX 1009
MCPHERSON, KS 67460-1009

Re: ACO1
API 15-051-26538-00-00
Stanley 1-14
NW/4 Sec.14-11S-17W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Bryan Hess