

Kansas Corporation Commission Oil & Gas Conservation Division

1146590

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Operator Name:
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

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:					

Side Two



Operator Name:			Lease Name:			Well #:		
Sec Twp	S. R	East West	County:					
time tool open and cle recovery, and flow rate	osed, flowing and shu	nd base of formations pe at-in pressures, whether est, along with final chart well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	nole temperature, fluid	
Drill Stem Tests Take		☐ Yes ☐ No		og Formatio	n (Top), Depth ar	nd Datum	Sample	
Samples Sent to Geo	ological Survev	☐ Yes ☐ No	Nam	ne		Тор	Datum	
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop	ed Electronically	Yes No Yes No Yes No						
List All E. Logs Run:								
			B RECORD No	ew Used ermediate, product	ion, 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	
		ADDITIONA	L CEMENTING / SQI	JEEZE RECORD	1			
Purpose: Depth Type of Cement —— Perforate —— Protect Casing		# Sacks Used		Type and F	Percent Additives			
—— Plug Back TD —— Plug Off Zone								
Shots Per Foot	PERFORATI Specify	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)				d Depth		
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No	1		
Date of First, Resumed	d Production, SWD or EN	IHR. Producing Me		Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	ter B	bls.	Gas-Oil Ratio	Gravity	
	ION OF GAS:		METHOD OF COMPLI			PRODUCTIO	ON INTERVAL:	
	Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)							

Form	ACO1 - Well Completion		
Operator	Hess Oil Company		
Well Name	Becky #1		
Doc ID	1146590		

Tops

Name	Тор	Datum
Anhydrite	1627	+716
Base Anhydrite	1662	+681
Heebner	3737	-1394
Lansing	3777	-1434
Base Kansas City	4065	-1722
Marmaton	4123	-1780
Pawnee	4165	-1822
Ft. Scott	4257	-1914
Cherokee Shale	4280	-1937
Mississippi	4379	-2036
RTD	4395	-2052

FORMATION TOPS LOG SAMPLES 1/2 Anky Rologs 1627 +716 +6 Heckner 3737 -1894 +11 Lansing 4065 -1722 +11 Marmaton 4165 -1822 +11 Pawkee hale 4165 -1822 +11 Pawkee shale 4180 -1937 +9 Mississing 4180 -1937 +9 Mississing 4180 -1936 -13 Min 1881 1881 1881 1881 1881 1881 1881 18	COUNTY NEW STATE Kansas CONTRACTOR Mallard Dailling JU, Inc. SPUD 4-8-13 COMP 4-16-13 RTD 4395' LTD RTD 4395' LTD RTD 4395' LTD RTD 4395' TYPE MUD Chemial-Mud.a. SAMPLES EXAMINED FROM 3760' GEOLOGICAL SUPERVISION FROM 3720' GEOLOGIST ON WELL Phil Askey, &. 6.	PETROLEUM GEOLOGIS ATION 1650 FSL & 2100 FWL ATION 1650 FSL & 2100 FWL
The Contract of the Contract o	PRODUCTION SUPPLYS WITH LOOK STORY OF THE SUPPLY SUPP	TO SUPERIOR TO SUPERIOR AND THE SUPERIOR
	Company, Becky #1, can structurally 1 If from the Anhy to the Cheroka Shale. To issippi resulted in a lower mississippi umalicial results (OST #1+2). It salt water was recovered on the Mississippi kan Miss	
Anhydrite Salt		Ool. Lime Chort Dolomite

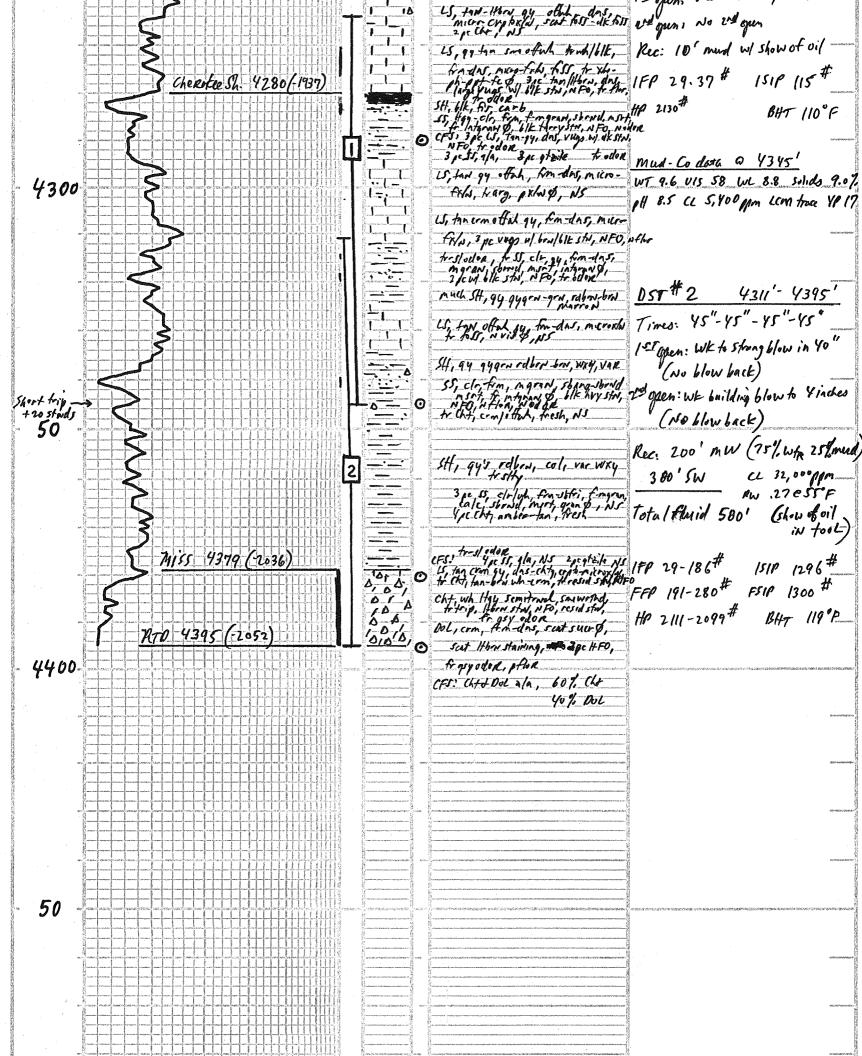
DRILLING TIME IN MINUTES

	PER FOOT Rate of Panatrotion Increases		CLICIONE STATE	
DEPTH		ASOTOHAL	SAMPLE DESCRIPTIONS	REMARKS
	5" 10" 15" 29" 25" 15		Section 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1600				Approximation of the province of the control of the
	Anhy 1627 (+716)			epistence and the contract of
50				entradir control and control a
	B/Anhy 1662 (+681)	131133 113133 113133 113133 113133 113133 113133 113133 113133		
				Company of the compan
3500				Samples: 10' wet + dry
				Rig data:
Technology (LT) (ST) (ST)				* (drill pipe was 4 drill collers missing due to collar repairs) (Short)
50°				Bit data: Smith F-27 776" 219: 4345' 11634 hrs (35.34 folds) Smith F-27 7784 FR 4345'- 4395' 246 hrs (20 folds)
A CONTRACTOR OF THE PROPERTY O				4345'- 4395' 21/2 hrs (20 ft/h) <u>Dev Sarveys:</u> 1/2° @ 219'
TOTAL VALUE OF THE COLUMN ACTION ACTI				1° ~ 4345'
CONTRACTOR OF THE PROPERTY OF				DSTs, 2 by Tollabile Testing

3600 Pipe Strape 4345' Board 4357.34 Strap 4356.82' Pipe short .52' Geologiaph clock Stopped 50 US, com, frm, VF-AXIN, to 1655 satur of the stilly-chey, scal oil- pot p frintkly p, NS 3700 scut Cht, wh tan semiteral, Fresh Wicom tan qy, Rom, of FXW Hildey-chey, sout foss, fexis &, NS Heebner 3737 (-1394) st, blk, fis, web U, fan, It maybed gy, Rondas MICHO - FOLD, RES, POB, NS 50 SH, m-akay, rabow, gow, rd, killy LS, com often, from, shocky-they of-film, to firsting, sout X/n pors sake Cht, who semitimal, fresh Stidtay rabon-bod, feel, blk Lansing 3777 (-1434) LS, of the - un own ultyy, from micro-fxl, histoly-chap, to the fun, NA Is, for theo Hangy, for das Micro- Ala, on fiss, tom dage, das pxh p, ns 3800 who SH's, 1+-1/49, 6/4, 949-1-99 trat, M. Han, semitenal, Rash

45, ton 14 mayben com, Andres to Chty MICHO- COPO KAN - SMENTYAN N UNI SP, MS to CAT, tan-bon SH, dkgy-tik stout Use com offul tan, from, trans, 50 trobibly-day, ut-folo, Noss, scat Cht, wh com senitral, Frank, NS CS, ala, Now-gyben, day, coppo-microxin sou Cat, on/a, to foss, LS, Hem-offeth, From, Vf-Folks, sat oil-vago, som fx x 10-001 vuygy \$ to Shekly-they, Spe Cho, Hay-wh 3900 St, qu'e relamber LS, more tan- It-maybow-bow, Fin-das, micro-fxla, me (-pbxla) pax/N &, NS seat shickey-day 5H, dtqq-61K som 94-979cn W, tan then, marty das, MICORINI NVISP, NS Mud-Co data @ 3943' WT 9.1 VIS 44 WL 2.8 Solids 5.4% 3 pc bra, das-day crppx/a strala, hulk-carb pH 8.5 CL 5,400 ppm cm 0# 4p 13 50 rdbrn-bon, gy-gygrn, blk LS, o But -com tow, from, son das, ply Uf-fold, seat Xh B, NS som any sout laytan, finder, uppx/w, NS SH, moltay queragen rollemon Neol LS, offuh - Herm ltgy, vf-fxb An, scatuh chey, froot, 4000 Sut XN p, trool \$, NS to tan com BSS Cht 2 pc SS, cirlgy from, A-cgman, intgrand, NS SH, m-lkgy qygonogor soublk, arb Lon 1001 US, offert con-Itton, from, of fold, Fishchky dky, scattool-x/w p, trygg p, NS W, offuh-com tan, sne qy-qybon-bon, from-das, milro-tolo, telty, 101

Mindly-chty, to 1834 specol fore-FCB, NS 2pr gtagonins SH, dkyy tilk, gygon rdbow 50 LS, tancom sme offuh-1499, finders, nicrotal, to frant-occop, NS B/KC 4065 (-1722) 3 pe cht, tan. Stigy blk 149ra rdbrs. to sky sky, 2 pc so cluster/goins, NS W, contangy offer to gabon, tang, Rom das, Ashchky-chky, trelty, 1K/NB,NS Microston, prohy thely, smag, NS 4100 SH, ay strabon, to sky-dy, mica, NS CS, qy ten, das-chay, coph-mur- the SH, Makay blk rollinghow 179rd Marmaton 4/23 (-1780) truly-men LS, com tan qu offith, from das, nuro virty, to stocky, tobourdwesty LS, a/a, care tan-bon, chay, to Cht, NS 50 SH, gy 946-N blk rolbin Paumee 4165 (-1822) LS, offuh wh, VHqy, Han, franda, stickly-chky, milro-fx/N to tan-qy, day-chy, up the D, NS LS, offich Itay Itan, das, Nichty, milro-VFXN, sout with-offish-4200 Mud- Co deta e 4239' sbehky-chky, to tan-Itbenidas, crptos/N, NVis \$, NS WT 9.4 VIS 47 WL 8.B. Solids 7.5# PH 10.0 CL 6,500 pm LCM free YP 14 W, ala, samples carrying much SHigy-gygrn rdbrd-brn LS, offich-WL, Holan DST#1 4264'-4345' mostly drs, micro-frew, fretty. 50 Times: 30"-30" - out somples contril 15% Shi ala Ft. Scott 4257 (-1914) st, dkgy-blk, steat-ent 1ST was weak blow by inch



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ALLIED OIL & GAS SERVICES, LLC 059332

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:	
Great Bond ES	
Steel Herry	_

1,00-13	SEC. TWP.	RANGE 27	CALLED	OUT	ON LOCATION	JOB START	JOB FINISH
DATE 4-48-13	26 175	0				COUNTY	STATE
LEASE BECKY	WELL# /	LOCATION BUZ.	Ing KS	71	16N	1/255	X-5
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TUBING SIZE	-	PTH	- 736	1166	2-77921	. ,,,, =	<u> </u>
DRILL PIPE		PTH		<u> </u>			
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To: Allied Oil &	Gas Services, LL	C.				@	<u> </u>
	requested to rent co		nt			@	
	enter and helper(s)				<u></u>	@	
	work as is listed.						
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	ve read and unders			J.ES TAY	(If Any)		
TERMS AND C	CONDITIONS" list	ed on the reverse s				31	
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ALLIED OIL & GAS SERVICES, LLC 050402

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 SERVICE POINT:

Great Bond, KS

DATE 4-16-13 SEC. 17-5 26 17-5 26 17-5 27-6 17-5 28-7 EARNGE 23-W CALLED OUT ON LOCATION 10B START 2:35 FM LEASE BOCKY WELL LOCATION 1/2 West Control 1. Lord 2:35 FM OLD ORNEW (Circle one) CONTRACTOR Mallord TYPE OF JOB PTA HOLE SIZE 178" T.D. 43-85 ft CEMENT CASING SIZE 886" DEPTH 2-4-47 AMOUNT ORDERED 24-5-7 60-4-4-4 TUBING SIZE DEPTH	2.577- 897-60 187.20
LEASE BOCKY WELL# LOCATION 1/2 North into Loc. COUNTY OLD OR NEW (Circle one) CONTRACTOR Mallord TYPE OF JOB PTA HOLE SIZE 7/8" T.D. 4345 ff CEMENT AMOUNT ORDERED 2405 y 60/40 +44 TUBING SIZE DEPTH DRILL PIPE 41/1" 16.60 DEPTH 1700 ft TOOL DEPTH PRES. MAX MINIMUM MEAS. LINE SHOE JOINT CEMENT COMMON 174 @ 17.90 POZMIX 76 @ 9.35 CEMENT LEFT IN CSG. PERFS. CHLORIDE ASC EQUIPMENT PUMP TRUCK CEMENTER Charles E 16/hs @ COUNTY LOCATION 1/2 North into Loc. CEMENT CEMENT AMOUNT OR DERED 2405 y 60/40 +44 TOOL POZMIX 76 @ 3.3.40 CHLORIDE ASC @ PUMP TRUCK CEMENTER Charles E 16/hs @ PUMP TRUCK CEMENTER Charles E 16/hs @ COUNTY LOCATION 1/2 North into Loc. CEMENT AMOUNT OR DERED AND 17.90 ASC @ PUMP TRUCK CEMENTER Charles E 16/hs @ COMMON ASC @ PUMP TRUCK CEMENTER Charles E 16/hs @ COMMON ASC @ PUMP TRUCK CEMENTER Charles E 16/hs @ COMMON ASC COMMON	2.577- 897-60 187. 20
CONTRACTOR Mallord TYPE OF JOB PTA HOLE SIZE 7 1/8" T.D. 43 45 ft CEMENT CASING SIZE DEPTH 2 1/4 ft TUBING SIZE DEPTH 1/25 Ft DRILL PIPE 4 1/2" TOOL DEPTH PRES. MAX MINIMUM COMMON 1 1 1 @ 17-90 MEAS. LINE SHOE JOINT POZMIX GEL BUSPLACEMENT ASC EQUIPMENT OWNER Hess Oil Company ONNER Hess Oil Company AMOUNT ORDERED 2405 F 60/40 + 44 ONNER Hess Oil Company ONNER Hess Oil Company OWNER Hess Oil Company ONNER Hess Oil Company OWNER Hess Oil Company ONNER Hess	% Cel 2.577- 897-60 187.20
TYPE OF JOB	2.577- 897-60 187.20
T.D. 4345 ft CEMENT	2.577- 897-60 187.20
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TUBING SIZE DEPTH DRILL PIPE 41/L" 16.60 DEPTH 1700f+ TOOL DEPTH PRES. MAX MINIMUM COMMON 174 @ 17-90 MEAS. LINE SHOE JOINT POZMIX 96 @ 9.35 CEMENT LEFT IN CSG. GEL 86 @ 23.40 PERFS. CHLORIDE @ EQUIPMENT ASC @ PUMP TRUCK CEMENTER Charles E 16/hs ### 125 // Flo-Sea ### 10 Sea ### 1	2.577- 897-60 187.20
DRILL PIPE 41/L* 16.60 DEPTH 17804+ TOOL DEPTH PRES. MAX MINIMUM COMMON 174 @ 17.70 MEAS. LINE SHOE JOINT POZMIX 76 @ 9.35 CEMENT LEFT IN CSG. GEL 80 @ 33.40 PERFS. CHLORIDE @ DISPLACEMENT W&W + FW ASC @ EQUIPMENT 410 5=01 62 2.97 PUMP TRUCK CEMENTER Charles & [K/hs] @	187. 20 897. 20
PRES. MAX MINIMUM COMMON 174 @ 17-90 MEAS. LINE SHOE JOINT POZMIX 96 @ 9-35 CEMENT LEFT IN CSG. GEL 80 @ 23-40 PERFS. CHLORIDE @ DISPLACEMENT W&W + FW ASC @ EQUIPMENT + 10 5=01 62 2-97 PUMP TRUCK CEMENTER Charles & [K/hs] @	187. 20 897. 20
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# 398 HELPER Josh Isaac	٠
BULK TRUCK	
#344/170 DRIVER Joel Monahay @	
BULK TRUCK	
# DRIVER	7557 5
# DRIVER HANDLING 257. 46 @ 2.48	<u> 638. °</u>
MILEAGE 10.75 X 12X 2.40	335.40
REMARKS: TOTAL	4.820.4
Plus 1@ 1700ST; 6FW, 12.5cmt, 2 FW, 17W84 (50S)	
Play Le Profi, 674, 20 cmt, 7 FW (POSI) SERVICE	
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And an interest to the second	
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Lum 12 @ 4.40	52.80
CHARGE TO: Hess Dil Company	- C
CHARGE TO: Hess Dil Company	. 2.37Y'
STREET TOTAL	2.394
STREET	, <u>2.377,</u>
STREET	
STREET TOTAL CITYSTATE ZIP	
STREET TOTAL CITY STATE ZIP PLUG & FLOAT EQUIPMEN	
STREET TOTAL CITY STATE ZIP PLUG & FLOAT EQUIPMEN @	
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TOTAL CITYSTATEZIPPLUG & FLOAT EQUIPMEN ### PLUG & FLOAT EQ	VT.
TOTAL CITYSTATEZIPPLUG & FLOAT EQUIPMEN To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment TOTAL TOTAL PLUG & FLOAT EQUIPMEN @	VT.
TOTAL CITY STATE ZIP PLUG & FLOAT EQUIPMEN @ @ To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	VT.
TOTAL CITY STATE ZIP PLUG & FLOAT EQUIPMEN @ 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	VT
TOTAL CITY STATE ZIP PLUG & FLOAT EQUIPMEN @ 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 TOTAL	VT.
TOTAL CITY STATE ZIP PLUG & FLOAT EQUIPMEN 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 TOTAL SALES TAY (MAN)	VT
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Hess Oil Company

Becky #1

PO Box 1009

Tester:

Unit No:

Job Ticket: 52564

26-17s-23w Ness

DST#: 1

ATTN: Bryan Hess

McPherson Ks 67460-1009

Test Start: 2013.04.15 @ 08:45:18

GENERAL INFORMATION:

Formation: Ft.Scott-Cher Sd

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 10:46:13 Time Test Ended: 13:29:57

4264.00 ft (KB) To 4345.00 ft (KB) (TVD)

Total Depth: 4345.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair Reference Elevations: 2348.00 ft (KB)

Ray Schwager

KB to GR/CF: 5.00 ft

Serial #: 8369

Press@RunDepth:

Inside

37.10 psig @

4277.00 ft (KB)

2013.04.15

Capacity:

8000.00 psig

2343.00 ft (CF)

Start Date: Start Time:

Interval:

2013.04.15 08:45:18

End Date: End Time:

13:29:57

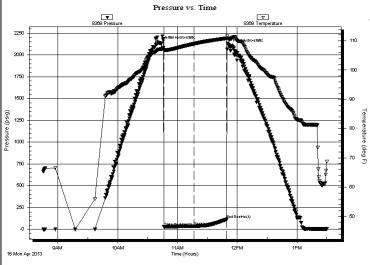
Last Calib.: Time On Btm: 2013.04.15

Time Off Btm:

2013.04.15 @ 10:43:43 2013.04.15 @ 11:52:13

TEST COMMENT: 30-IFP-w k bl thru-out 1/4"bl

30-ISIP-no bl pulled tool



PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation	
((Min.)	(psig)	(deg F)		
	0	2130.44	107.17	Initial Hydro-static	
	3	29.59	106.87	Open To Flow (1)	
	33	37.10	109.00	Shut-In(1)	
	66	115.22	110.87	End Shut-In(1)	
	69	2098.80	110.63	Final Hydro-static	
	33 66	29.59 37.10 115.22	106.87 109.00 110.87	Open To Flow (1) Shut-ln(1) End Shut-ln(1)	

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/show of oil	0.05

Gas Rates			
	Choke (inches)	Pressure (nsig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 52564 Printed: 2013.04.15 @ 13:43:56



FLUID SUMMARY

ppm

DST#: 1

Hess Oil Company

26-17s-23w Ness

PO Box 1009

Becky #1

Serial #:

McPherson Ks 67460-1009

Job Ticket: 52564

ATTN: Bryan Hess

Test Start: 2013.04.15 @ 08:45:18

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 51.00 sec/qt

Cushion Volume: bbl

8.76 in³ Gas Cushion Type:

> Gas Cushion Pressure: psig

6500.00 ppm Salinity: Filter Cake: 1.00 inches

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Volume Description Length ft bbl 10.00 Mud w/show of oil 0.049

Total Length: Total Volume: 10.00 ft 0.049 bbl

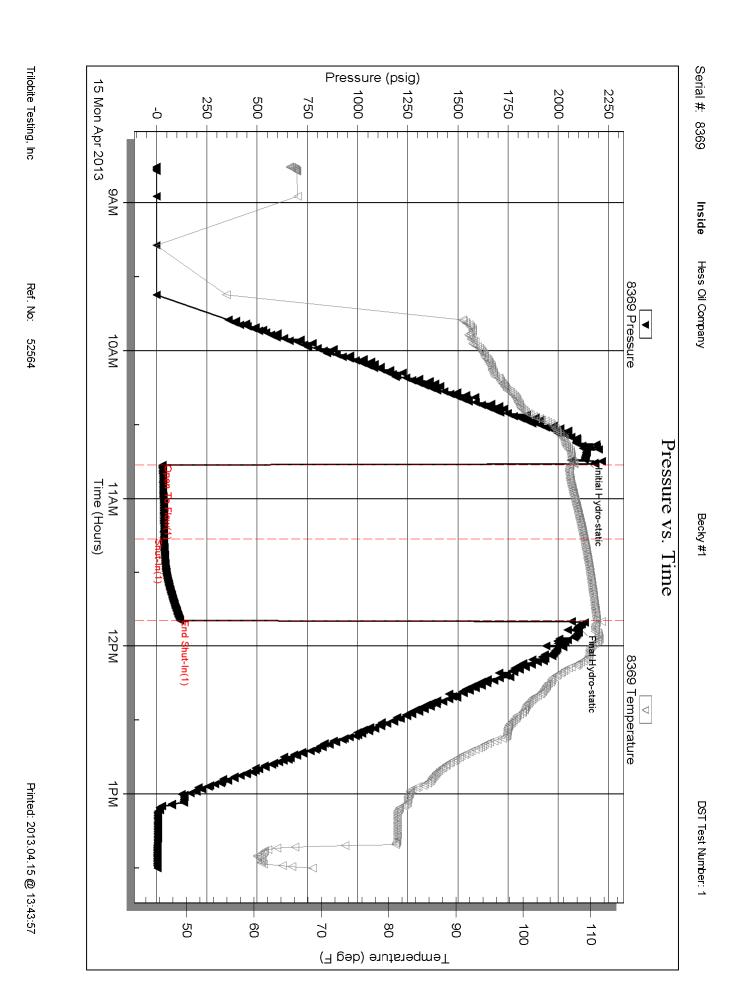
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

ohm.m

Printed: 2013.04.15 @ 13:43:57 Trilobite Testing, Inc Ref. No: 52564





Hess Oil Company

26-17s-23w Ness

PO Box 1009

Job Ticket: 52565

Becky #1

Unit No:

DST#: 2

ATTN: Bryan Hess

End Time:

McPherson Ks 67460-1009

Test Start: 2013.04.15 @ 23:45:53

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:19:18

Time Test Ended: 07:44:47

Interval: 4311.00 ft (KB) To 4395.00 ft (KB) (TVD)

Total Depth: 4395.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Reset) Tester: Ray Schwager

Reference Elevations:

2348.00 ft (KB) 2343.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8369 Inside

Start Time:

Press@RunDepth: 4313.00 ft (KB) 280.80 psig @ Start Date: 2013.04.15 End Date:

23:45:53

2013.04.16

8000.00 psig

Last Calib.: Time On Btm: 07:44:47

Capacity:

2013.04.16 2013.04.16 @ 02:16:48

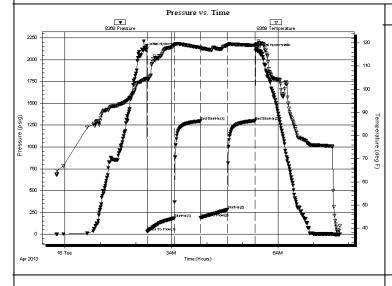
Time Off Btm: 2013.04.16 @ 05:24:47

TEST COMMENT: 45-IFP-wk to strg in 40min

45-ISIP-no bl

45-FFP-wk to a fr bl, surface to 4"bl

45-FSIP-no bl



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2111.02	104.38	Initial Hydro-static
3	29.93	103.94	Open To Flow (1)
49	186.24	119.04	Shut-In(1)
93	1296.92	117.96	End Shut-In(1)
93	191.05	117.60	Open To Flow (2)
138	280.80	118.95	Shut-In(2)
185	1300.86	118.91	End Shut-In(2)
188	2099.42	119.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)	
200.00	MW 25%M75%W	0.98	
380.00	Water	4.97	
* Recovery from multiple tests			

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 52565 Printed: 2013.04.16 @ 09:33:46



FLUID SUMMARY

Hess Oil Company

26-17s-23w Ness

PO Box 1009

Becky #1

Job Ticket: 52565

DST#: 2

ATTN: Bryan Hess

McPherson Ks 67460-1009

Test Start: 2013.04.15 @ 23:45:53

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: 32000 ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 8.77 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5400.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	MW 25%M75%W	0.984
380.00	Water	4.966

Total Length: 580.00 ft Total Volume: 5.950 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .27@55F

Trilobite Testing, Inc Ref. No: 52565 Printed: 2013.04.16 @ 09:33:47

