

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1233883

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 #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec	TwpS. R	
Address 2:			Feet	from North / South Line of Section	
City: Sta	ate: Zip	D:+	Feet	from East / West Line of Section	
Contact Person:			Footages Calculated from Nea	arest Outside Section Corner:	
Phone: ()			□ NE □ NW	□se □sw	
CONTRACTOR: License #			GPS Location: Lat:	, Long:	
Name:				. xx.xxxxx) (e.gxxx.xxxxx)	
Wellsite Geologist:			Datum: NAD27 NAD27		
Purchaser:			County:		
Designate Type of Completion:			Lease Name: Well #:		
New Well Re-	Entry	Workover			
	_		Producing Formation:		
☐ Oil ☐ WSW	☐ ENHR	☐ SIGW	Elevation: Ground:	Kelly Bushing:	
☐ Gas ☐ D&A ☐ OG			Total Vertical Depth:	Plug Back Total Depth:	
CM (Coal Bed Methane)	∐ GSW	Temp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Feet	
Cathodic Other (Core	Evol etc.):		Multiple Stage Cementing Col		
If Workover/Re-entry: Old Well Infe				Feet	
Operator:				nent circulated from:	
'			, ,	w/sx cmt.	
Well Name: Original Comp. Date:			loot doptii to.		
	_				
Deepening Re-perf. Plug Back	Conv. to EN	NHR	Drilling Fluid Management F (Data must be collected from the I		
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbls	
Dual Completion			Dewatering method used:		
SWD	Permit #:		Location of fluid disposal if ha	uled offsite:	
☐ ENHR	Permit #:		On and an Name		
GSW	Permit #:				
				License #:	
Spud Date or Date Rea	ched TD	Completion Date or	QuarterSec	TwpS. R	
Recompletion Date		Recompletion Date	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:							



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	illed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth ar		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Yes No Electric Log Run Yes No							
List All E. Logs Run:							
		CASING	RECORD N	ew Used			
		Report all strings set-			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
		ADDITIONAL	. CEMENTING / SQI	JEEZE RECORD	<u> </u>	1	
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
Plug Back TD Plug Off Zone							
	ulic fracturing treatment or	n this well? aulic fracturing treatment ex	roed 350 000 gallons	Yes		p questions 2 ar	nd 3)
		submitted to the chemical of	=	Yes	= ' '	out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth
TURING DECORD.	Sizo:	Sot At:	Packer A+	Linor Pun			
TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No							
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bbls. Gas	Mcf Wat	er B	bls. C	as-Oil Ratio	Gravity
DISPOSITION Vented Sold	ON OF GAS:	N Open Hole	METHOD OF COMPL		mmingled	PRODUCTIO	DN INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion		
Operator	Farmer, John O., Inc.		
Well Name	Hagerman 1		
Doc ID	1233883		

Tops

Name	Тор	Datum
Anhydrite	1191'	(+948)
Topeka	3228'	(-1089)
Heebner	3494'	(-1355)
Lansing	3564'	(-1425)
Stark	3780'	(-1641)
Base/KC	3838'	(-1699)
Arbuckle	3945'	(-1806)
L.T.D.	3985'	(-1846)

Form	ACO1 - Well Completion		
Operator	Farmer, John O., Inc.		
Well Name	Hagerman 1		
Doc ID	1233883		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	1196	80/20 Pozmix	3% C.C., 2% gel

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 779 Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 Finish On Location State Twp. Range County Sec. Date Well No.4 Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish Contracto cementer and helper to assist owner or contractor to do work as listed. Type Job Charge To Hole Size armer Inc Depth Street Csg State Depth City Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered & Cement Left in Csg Meas Line EQUIPMENT 4 15 Common Cementer/ Helper No. Poz. Mix Pumptrk Driver Gel. Bulktrk' Driver Driver Calcium Bulktrk / Driver JOB SERVICES & REMARKS Hulls Salt Remarks: Flowseal Rat Hole Kol-Seal Mouse Hole Mud CLR 48 Centralizers CFL-117 or CD110 CAF 38 **Baskets** Sand D/V or Port Collar Handling 4 Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount Total Charge

2011年3月2日 - 日本人的大学的第三人称: [編集] LWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 **QUALITY OILV**

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665 No. 872

Cell 785-324-1041			···		T	
Sec.	Twp. Range		County	State	On Location	Finish
Date 10 - 31 - 14 12	20 1/	Tain	nee	<u> </u>	111111111111	
		Location	ontimp Kir	7 Sto County	Line 25tD1	Ed Africance
Lease Hagesman	Well No.		Owner			
Contractor VaL	6		Vou ere here	ilwell Cementing, Inc.	cementina equipmen	t and furnish
Type Job Pluis			1	d helper to assist ow	ner or contractor to d	o work as listed.
Hole Size 77/8	T.D. 3990		Charge	O. Farm	er	
Csg.	Depth		Street			
Tbg. Size DP 4/12	Depth		City		State	
Tool	Depth		The above wa	s done to satisfaction a	and supervision of owner	agent or contractor.
Cement Left in Csg.	Shoe Joint		Cement Amo	ount Ordered 230	5x00/40 4%	gel /4+1005ca
Meas Line		ul	1-	7		
EQUIPM	MENT .		Common /	38/		
Pumptrk // No. Cementer Helper	B:114		Poz. Mix	<u> 2 </u>		
Bulktrk 3 No. Driver L	onn't w		Gel.	-		
Bulktrk Pu No. Driver	RICK		Calcium			
JOB SERVICES	& REMARKS		Hulls			
Remarks:			Salt	14		
Rat Hole 30sk			Flowseal 5	7#		
Mouse Hole 1505x			Kol-Seal			
Centralizers			Mud CLR 48			
Baskets			CFL-117 or 1	CD110 CAF 38		
D/V or Port Collar	All Control		Sand	4000 (1975a)		
The second of th		7	Handling 2	!3 [.] &	<u> </u>	
15+ 3930	50s(-	25. /	Mileage			
- April 1995			7	FLOAT EQUIPA	JENT	
2nd 12301	60SX		Guide Shoe			
			Centralizer			
3-2 420'	50sX	, v	Baskets			
	Same Andrew A	n. <i>111</i>	AFU Inserts		<u> </u>	
4th 601	RUSK		Float Shoe	7/ 11 11 11/2		·
			Latch Down	77 83 83 88 1		**
at the window.			٠	<i>i</i>		
	7 (Pumptrk Ch	narge Olu 9		-
		30.00 NO.00	Mileage 2		Name of the second	
					Ta	x
					Discour	it
X Signature Rau	TIMARIT				Total Charg	e
Cignature 3 CONSTA	<u> </u>					





Prepared For: John O Farmer Inc.

PO Box 352

Russell KS 67665-2635

ATTN: Austin Klaus

Hagerman #1

12-20s-17w Pawnee,KS

Start Date: 2014.10.31 @ 08:25:00 End Date: 2014.10.31 @ 15:29:00 Job Ticket #: 60473 DST#: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



John O Farmer Inc.

12-20s-17w Pawnee,KS

PO Box 352

Russell KS 67665-2635

ATTN: Austin Klaus

Hagerman #1

Job Ticket: 60473

Ticket: 60473 **DST#:1**

Test Start: 2014.10.31 @ 08:25:00

GENERAL INFORMATION:

Formation: LKC "H"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:38:00 Time Test Ended: 15:29:00

Interval: 3702.00 ft (KB) To 3728.00 ft (KB) (TVD)

Total Depth: 3987.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem Unit No: S3

Reference Elevations: 2139.00 ft (KB)

2129.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6806 Inside

Press@RunDepth: 65.59 psig @ 3723.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2014.10.31
 End Date:
 2014.10.31
 Last Calib.:
 2014.10.31

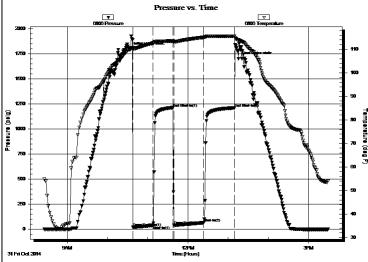
 Start Time:
 08:26:00
 End Time:
 15:29:00
 Time On Btm:
 2014.10.31 @ 10:34:30

Time Off Btm: 2014.10.31 @ 13:15:30

PRESSURE SUMMARY

TEST COMMENT: IFP 30 Weak blow built to 2 1/2"

ISI 30 No blow back. FFP 45 Weak blow built to 2" FSI 45 No blow back.



	PRESSURE SUIVIIVIART								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	1795.65	110.24	Initial Hydro-static					
	4	21.45	110.21	Open To Flow (1)					
	34	38.32	112.61	Shut-In(1)					
4	63	1212.20	113.50	End Shut-In(1)					
Temperature (deg F)	65	40.82	113.22	Open To Flow (2)					
	109	65.59	115.02	Shut-In(2)					
9	155	1209.37	115.50	End Shut-In(2)					
J	161	1699.65	113.87	Final Hydro-static					

Recovery

Length (ft)	Description	Volume (bbl)
70.00	70.00 MW 40% mud, 60% w ater	

Gas Rat	es	
Choke (inches)	Pressure (neig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 60473 Printed: 2014.11.03 @ 08:51:07



John O Farmer Inc.

12-20s-17w Pawnee,KS

PO Box 352

Russell KS 67665-2635

ATTN: Austin Klaus

Hagerman #1 Job Ticket: 60473

DST#: 1

Test Start: 2014.10.31 @ 08:25:00

GENERAL INFORMATION:

Formation: LKC "H"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:38:00 Time Test Ended: 15:29:00

Interval: 3702.00 ft (KB) To 3728.00 ft (KB) (TVD)

Total Depth: 3987.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: S3

Reference Elevations: 2139.00 ft (KB)

2129.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8159 Outside

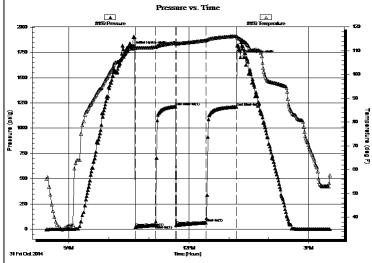
Press@RunDepth: 3724.00 ft (KB) Capacity: 1210.42 psig @ 8000.00 psig

Start Date: 2014.10.31 End Date: Last Calib.: 2014.10.31 2014.10.31 Start Time: 08:26:00 End Time: 15:31:30 Time On Btm: 2014.10.31 @ 10:35:30

Time Off Btm: 2014.10.31 @ 13:17:30

TEST COMMENT: IFP 30 Weak blow built to 2 1/2"

ISI 30 No blow back. FFP 45 Weak blow built to 2" FSI 45 No blow back.



I	PRESSURE SUMMARY								
Γ	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	1787.91	112.04	Initial Hydro-static					
l	4	23.84	111.11	Open To Flow (1)					
	35	40.42	111.48	Shut-In(1)					
.	64	1213.47	113.32	End Shut-In(1)					
	66	42.52	112.99	Open To Flow (2)					
	110	65.90	114.32	Shut-In(2)					
	156	1210.42	116.09	End Shut-In(2)					
'	162	1702.58	114.79	Final Hydro-static					
l									
l									

Cac Dates

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MW 40% mud, 60% w ater	0.98

Odd Maled					
	Choko (inohoo)	Drossuro (poig)	Coo Boto (Mof/d)		

Trilobite Testing, Inc Ref. No: 60473 Printed: 2014.11.03 @ 08:51:07



John O Farmer Inc.

12-20s-17w Pawnee,KS

PO Box 352

Russell KS 67665-2635

Hagerman #1

Job Ticket: 60473

DST#: 1

ATTN: Austin Klaus

Test Start: 2014.10.31 @ 08:25:00

GENERAL INFORMATION:

Formation: LKC "H"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:38:00 Time Test Ended: 15:29:00

Interval:

3702.00 ft (KB) To 3728.00 ft (KB) (TVD)

Total Depth: 3987.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Shane Konzem S3

Unit No: S3

Reference Elevations:

Tester:

2139.00 ft (KB)

2129.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8524 Below (Straddle)

 Press@RunDepth:
 psig
 @
 3983.50 ft (KB)
 Capacity:
 8000.00 psig

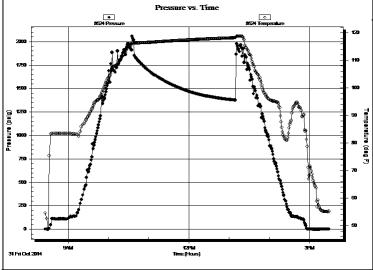
 Start Date:
 2014.10.31
 End Date:
 2014.10.31
 Last Calib.:
 2014.10.31

 Start Time:
 08:26:00
 End Time:
 15:28:30
 Time On Btm:

Time Off Btm:

TEST COMMENT: IFP 30 Weak blow built to 2 1/2"

ISI 30 No blow back.
FFP 45 Weak blow built to 2"
FSI 45 No blow back.



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

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)	
70.00	MW 40% mud, 60% w ater	0.98	

Gas Rates		
Choke (inches)	Proceure (peig)	Gas Pate (Mcf/d)

Trilobite Testing, Inc Ref. No: 60473 Printed: 2014.11.03 @ 08:51:07



TOOL DIAGRAM

John O Farmer Inc.

12-20s-17w Pawnee,KS

PO Box 352

0.00 ft Diameter:

Hagerman #1

Job Ticket: 60473

DST#: 1

Russell KS 67665-2635 ATTN: Austin Klaus

Test Start: 2014.10.31 @ 08:25:00

Tool Information

Drill Collar:

Drill Pipe: Length: 3702.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter:

Length:

3.80 inches Volume: 51.93 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl

Total Volume:

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 72000.00 lb

Drill Pipe Above KB: 20.00 ft 51.93 bbl Tool Chased 0.00 ft String Weight: Initial 58000.00 lb

Depth to Top Packer: 3702.00 ft Depth to Bottom Packer: ft Final 58000.00 lb

Interval between Packers: 284.50 ft Tool Length: 304.50 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3687.00		
Hydraulic tool	5.00			3692.00		
Top Packer	5.00			3697.00		
Packer	5.00			3702.00	20.00	Bottom Of Top Packer
Anchor	20.00			3722.00		
Recorder	1.00	6806	Inside	3723.00		
Recorder	1.00	8159	Outside	3724.00		
Blank Off Sub	0.75			3724.75	284.50	Tool Interval
Packer	5.00			3729.75		
Change Over Sub	0.75			3730.50		
Drill Pipe	252.00			3982.50		
Change Over Sub	0.75			3983.25		
Recorder	0.25	8524	Below	3983.50		
Bull Plug	3.00			3986.50	1000303.50	Bottom Packers & Anchor

Total Tool Length: 304.50

Trilobite Testing, Inc Ref. No: 60473 Printed: 2014.11.03 @ 08:51:07



FLUID SUMMARY

John O Farmer Inc.

12-20s-17w Pawnee,KS

PO Box 352

Russell KS 67665-2635

Hagerman #1

Job Ticket: 60473

DST#:1

ATTN: Austin Klaus

Test Start: 2014.10.31 @ 08:25:00

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: 26000 ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 10.38 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 9300.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

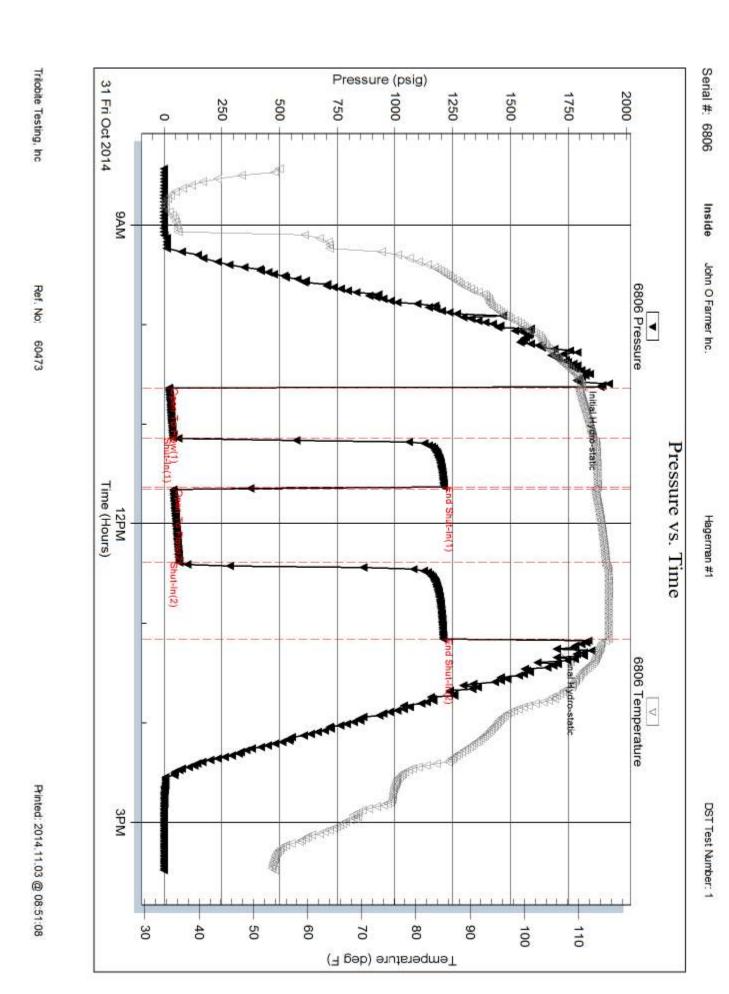
Length ft	Description	Volume bbl
70.00	MW 40% mud, 60% w ater	0.982

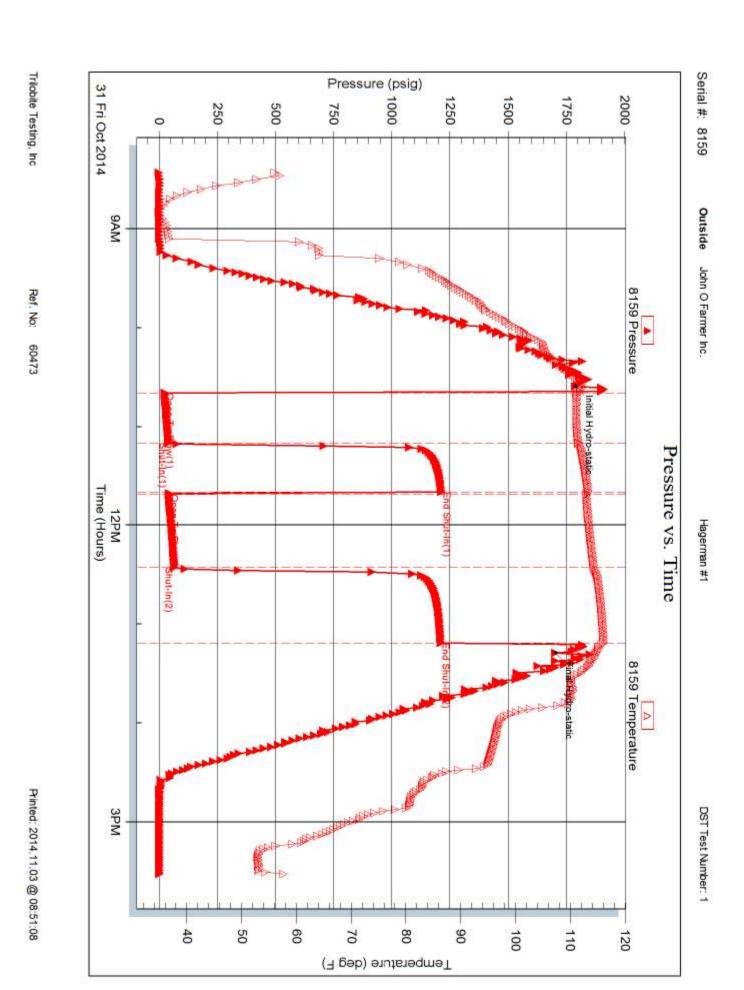
Total Length: 70.00 ft Total Volume: 0.982 bbl

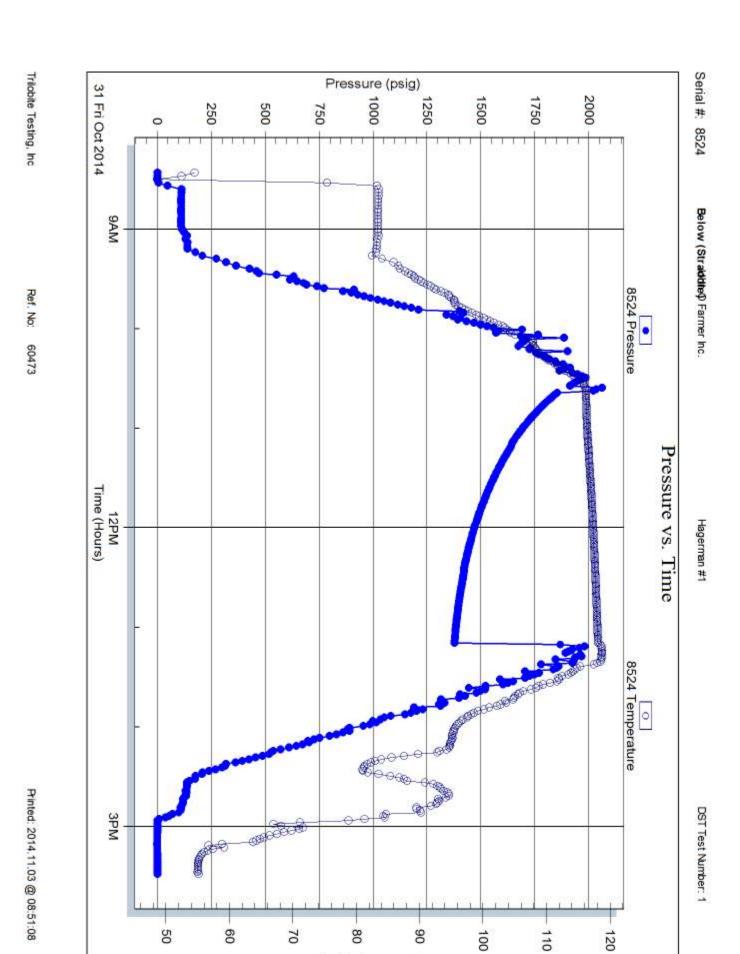
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location: Recovery Comments: resist recov. .22 at 50 degrees

Trilobite Testing, Inc Ref. No: 60473 Printed: 2014.11.03 @ 08:51:07







Temperature (deg F)



Test Ticket

NO.

60473

ESTING INC.1515 Commerce Parkway • Hays, Kansas 67601

++ .					
Well Name & No. Hagerman #1					
CompanyJohn O Farmer,					GL
Address 370 W Wich to Ave.				35	
Co. Rep/Geo. Austin Klans					
Location: Sec. 12 Twp. 20	8 Rge. 17 ₩	_ Co. Pawnee		State KS	
Interval Tested 3697 - 3702	Zone Tested Le	ansing "H	<i>i</i>		
Anchor Length 26	Drill Pipe Run	3702	Mı	ud Wt. 9.3	
Top Packer Depth 3692 369	7 3702 Drill Collars Run	Ø	Vis	5 48 53	3
Bottom Packer Depth 3697 37	2 3 728 Wt. Pipe Run_	Ø	W	10,4	
Total Depth 3987	Chlorides 9, 3	300 ppm	System LC	M TR	
Blow Description 157 Open - Weal	K blow built to 2 1	2 inches int	o wate	r, 1st Shut I	n-
No blow back. 2nd open-					
No blam back,					
Rec 78 Feet of muddy	water	%gas	%oil	60 %water	45 %muc
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total BHT		API RW _ 22 @	<u>50</u> °FC	hlorides 3600	o ppn
(A) Initial Hydrostatic 1 7 9 5	\times_Test1150		T-On Loca	tion <u>0800</u>	
(B) First Initial Flow 2	Jars		T-Started	0845	
(C) First Final Flow 38	Safety Joint			10:45	
(D) Initial Shut-In 1212	Circ Sub			13; 15	1 1
(E) Second Initial Flow 45	Hourly Standby			515	
(F) Second Final Flow 65	Mileage SO	124	Comment	S	
(G) Final Shut-In 1209					
(H) Final Hydrostatic 1699	Straddle 60	0	 ☐ Ruine	d Shale Packer	
				d Packer	
Initial Open 35	Extra Packer 5t	Sypher		Copies	
Initial Shut-In 30		Straddla			
Final Flow 45			Total	874	
Final Shut-In 45				Disc't	
	Sub Total 187				
Approved By		ır Bepresentative	how K	1	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



AUSTIN B. KLAUS



Cell 785.650.3629 Work 785.483.3145 Ext 225 PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

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

Well Name: Hagerman #1 Location: Pawnee County

License Number: API #15-145-21,778-0000 Region: Kansas Spud Date: 10/26/14 Drilling Completed: 10/31/14

Surface Coordinates: Section 12 - Township 10 South - Range 17 West

Bottom Hole Vertical well with minimal deviation, same as above

Coordinates:

Ground Elevation (ft): 2,129'

Logged Interval (ft): 3,150

To: RTD

K.B. Elevation (ft): 2,139'

Total Depth (ft): 3,990'

Formation: LKC, Arbuckle

Type of Drilling Fluid: Chemical (Mud Co.)

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

OPERATOR

Company: John O. Farmer, Inc.

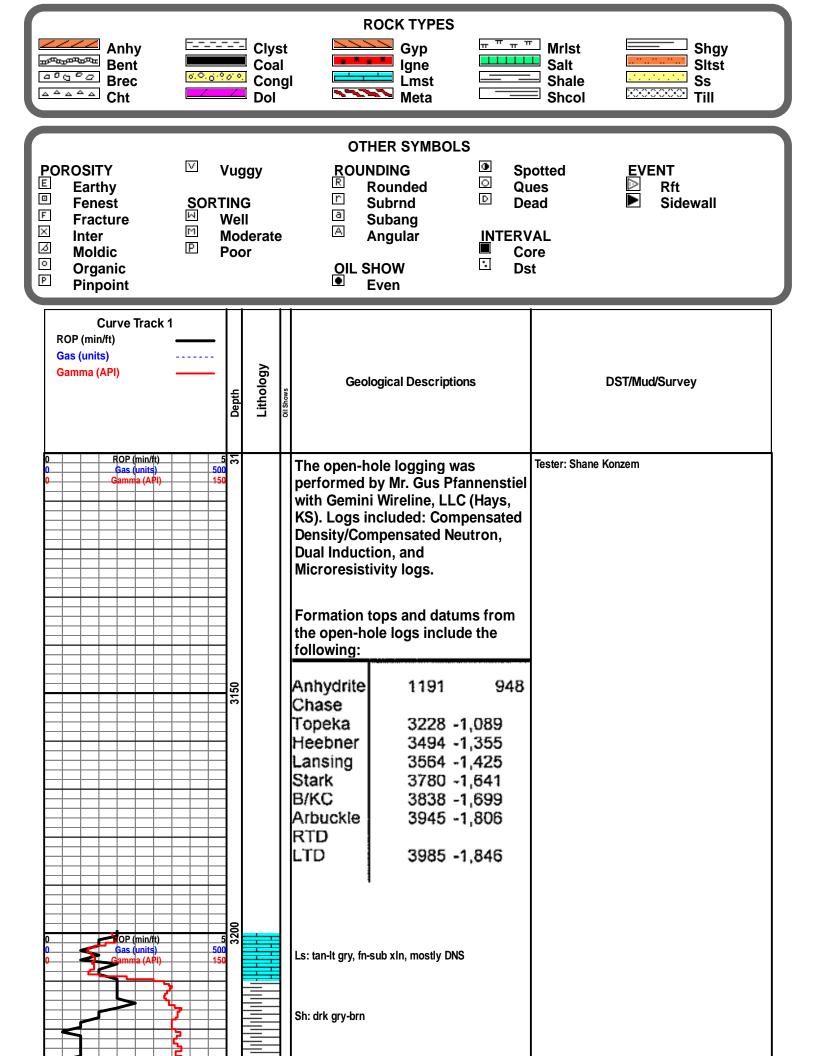
Address: P.O. Box 352

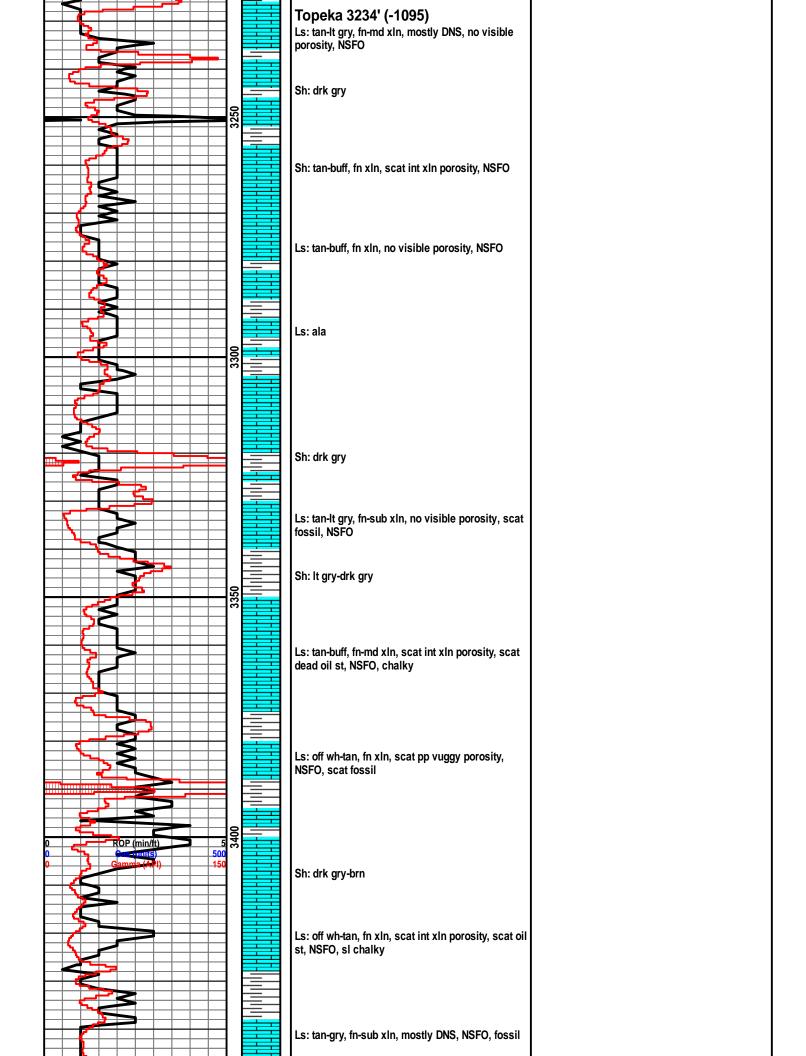
Russell, KS 67665-0352

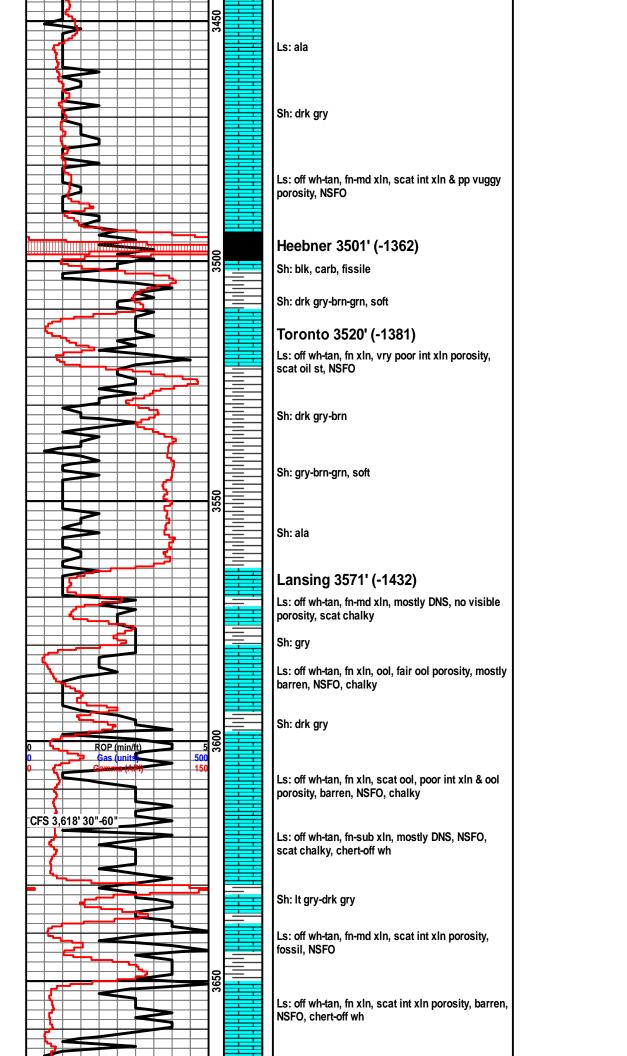
Comments

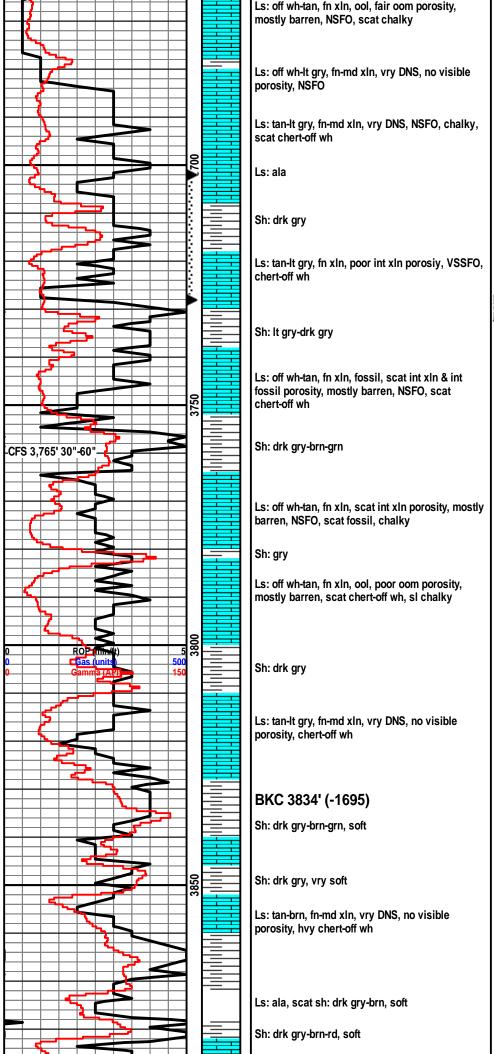
The Hagerman #1 well was drilled by Val Energy Rig #6 (Tool Pusher: Randy Martin).

The location for the Hagerman #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 3,150'-3,990'. Structurally, the Hagerman #1 ran 8' high to our correlation well, Hagerman #1-12, at the Lansing. One straddle test was conducted in the Lansing H zone, yielding negative results. The Arbuckle horizon was 8' low to the comparison well. Upon completion of the logging operation and straddle test, the decision was made to plug and abandon the Hagerman #1 well on 10/31/14.









DST #1 3,702-3,728' (Lansing H Zone) 30"-30"-45"-45"

IF: Surface built to 2 1/2", no blow back FF: Surface built to 2", no blow back Rec: 70' MW (40% M, 60% Water) - CL 26k FP: 21-28-41-66#

SIP: 1,212-1,209# HP: 1,796-1,700# BHT: 116

