Confidentiality Requested: Yes No

## KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1161287

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:			
Address 2:	Feet from North / South Line of Section		
City: State: Zip:+	Feet from East / West Line of Section		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()			
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #: Field Name:		
New Well Re-Entry Workover	Field Name:		
	Producing Formation:		
☐ Oil	Elevation:       Ground:       Kelly Bushing:         Total Vertical Depth:       Plug Back Total Depth:		
□ Gas □ Daa □ EINIR □ SIGW □ OG □ GSW □ Temp. Abd.			
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Ses No		
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name:	feet depth to:w/sx cmt.		
Original Comp. Date: Original Total Depth:			
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan		
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)		
	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
Dual Completion         Permit #:           SWD         Permit #:	Leastion of fluid diamonal if housed officitor		
ENHR         Permit #:	Location of fluid disposal if hauled offsite:		
GSW Permit #:	Operator Name:		
	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West		
Recompletion Date Recompletion Date	Countv: 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:					

	Page Two	1161287
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional Sh	neets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolo	gical Survey	Yes No	Name	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		0.40110					
			RECORD Ne		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
	<u> </u>	ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:	Depth	Type of Cement	# Sacks Used		Type and F	Percent Additives	

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

No

No

(If No, skip questions 2 and 3)

(If No, skip question 3)

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

Vas the hydraulic fractur	ing treat	ment information s	ubmitted	to the chemi	cal disclosure	registry?	Yes	No (If N	lo, fill out Page Three of the A	CO-1)
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) Dep			Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Rur	n:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	<b>}</b> .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION OF GAS: METHOD OF COMPLE			TION:		PRODUCTION INTE	RVAL:				
Vented Solo						Commingled (Submit ACO-4)				
(If vented, Submit ACO-18.) Other (Specify)				/	(					

Form	ACO1 - Well Completion			
Operator	Farmer, John O., Inc.			
Well Name	SHU T1 twin 11			
Doc ID	1161287			

All Electric Logs Run

Compensated Density Neutron Log
Micro Resistivity Log
Dual Induction Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	SHU T1 twin 11
Doc ID	1161287

Tops

Name	Тор	Datum
Anhydrite	710'	(+1087)
Tarkio LS	2340'	(-543)
Topeka	2572'	(-775)
Heebner	2844'	(-1047)
Lansing	2930'	(-1133)
Base/KC	3201'	(-1404)
Gorham	3206'	(-1409)
Granite	3329'	(-1532)
L.T.D.	3370'	(-1573)

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 04, 2013

Marge Schulte Farmer, John O., Inc. 370 W WICHITA AVE PO BOX 352 RUSSELL, KS 67665-2635

Re: ACO1 API 15-167-23884-00-00 SHU T1 twin 11 SW/4 Sec.04-15S-12W Russell 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, Marge Schulte



P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

#### DRILLER'S LOG

Operator: John O. Farmer, Inc	. Lic# 51	35 Contractor: Discov	ery Drilling Co., Inc. LIC#31548		
370 West Wichita Avenue - P.O. Box 352		PO Box	< 763		
Russell, KS 67665		Hays, k	(S 67601		
Lease: SHU T 1 Twin # 11		Location: 2345 F	SI & 025 EW/I		
Lease. 5110 1 1 1 Will # 11			E/NW/SW		
			4/ 15S/ 12W		
			County, KS		
		Tussen			
Loggers Total Depth: 3370'		API#15- 167-23	,884-00-00		
Rotary Total Depth: 3370'		Elevation: 1789G	L / 1797 KB		
Commenced: 6/11/201	3	Completed: 6/17/20	013		
Casing: <u>8 5/8" @</u>	2721'W/325sks	Status: Oilwell	Status: Oilwell		
5 1/2" @	) 3367'W/130sks				
	DEPTHS & FC	RMATIONS			
	(All fror	n KB)			
Surface, Sand & Shale	0'	Shale	742'		
Dakota Sand	211'	Shale & Lime	_1341'		
Shale	242'	Shale	1634'		
Cedar Hill Sand	317'	Shale & Lime	1981'		
Red Bed Shale	435'	Lime & Shale	3015'		
Anhydrite	710'	RTD	3370'		
Base Anhydrite	742'				
STATE OF KANSAS)					
) ss COUNTY OF ELLIS )			1		
Thomas H. Alm of Disco	overy Drilling states that to th	he best of his knowledge			
the above and foregoing is a tru	ue and correct log of the abo	ove captioned well.			
	1	KIMODA /C			
	Thomas	s H. Alm	4		
Subscribed and sworn to before	e me on <u>6-24-</u>	13			
My Commission expires:	8-9-15	11 0	A 1		
(Place stamp or seal below)		Henna S. a	Im		
	Notary	Public			
GLEN	- State of Kansas				
My Appt. E	(p. 5-7-15				

QUALIT	Y OILW	ELL al Tax I.D.	<b>CE</b>		ING	i, <b>IN</b> (	С.
Phone 785-483-2025 Cell 785-324-1041	Home Office F					No.	6950
	Twp. Range 15 12	Russen	ty //	State	On l	ocation	S, DH
Lease SHU TI IN	h Well No. 11	Location L	<u>in Nei</u> ner <del>to</del>	195/10	9 40 L 5 E	I.E. Einto	2=
Contractor	· · · · · · · · · · · · · · · · · · ·	You cerr	are hereby enter and	vell Cementing, I v requested to re helper to assist	nt cementing	g equipment tractor to do	and furnish work as listed.
(15.6)	<u>.D. 7,21</u> Depth	Cha To Stre		- Je	O. Fo	NMCV-	Inc
	Depth	City	,		State		
$0 \oplus 01$	Depth Shoe Joint 204	1		done to satisfaction	n and supervis	sion of owner	agent or contractor.
EQUIPME	Displace <u>44,53</u>	BL 2 Cor	10 S	<u>el</u>			
Pumptrk     No.     Cementer       Helper     Helper     Helper       Bulktrk     Vo.     Driver       Bulktrk     Vo.     Driver       Bulktrk     Vo.     Driver       Driver     Driver       Driver     Driver	<del>θ</del> <del>  </del> ε	Gel	z. Mix I. 6 Icium 15			1	
JOB SERVICES &	REMARKS	Hul					
Rat Hole SHU /	TIDNA		wseal -Seal				
Centralizers			d CLR 48			<u>_</u>	
Baskets D/V or Port Collar		Sa	nd	D110 CAF 38			
Cement d	1d	i		FLOAT EQU	IPMENT		
Cifulate		Gu	ide Shoe				
			entralizer Iskets	1		1	
·			U Inserts				
••••••••••••••••••••••••••••••••••••••			bat Shoe				
		La	tch Down 2 Cup	Ru 66ek	plus	)	
			umptrk Cha ileage	rge Long	Suv fac	e	
			iicaye / K			Tax Discoun	<u></u>
Signature Tube Land						Total Charge	<u> </u>

JOBLO	) <u>G</u>				SWIFT	Servi	ices, Inc. DATE 6-17-13 PAGE NO
	Suhn U	Famer	WELL NO. VL		LEASE SHU	) T/L	Thing JOB TYPE 5 1/2 Long String TICKET NO. 24436
CHART NO.	TIME	RATE (BPM)	VOLUME	PUMPS T C	PRESSURI TUBING	(PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0700						on lucation
							TO 3.370 55 19.87
<u> </u>							TP 3367 Insert 3349
<del></del>		ļ					51/2" * 14/2#
	0800						Start Casing
	0932		ļ				Drop Ball Break Circulation Protate
	1030		7/4				Pluy RH BOSKS MH 15 sks
		5	12	_ <		20	Start Mud Alush
		5	20			]N	Start KCL Flush
		5	32			200	Start Cement
<u> </u>							
····	1058		 				Prop Plug wush out Pump + Lines
						<u> </u>	
	1100	6.5		⁄		200	Start O. splacement
	NIC	6.5	\$10			800	
	1115	6-2	\$1.7			150	land Plug
	(17						
		****					release Dry
····							
							wash up hack up
	<u> </u>						
	1200						The C Alaia
							Job Complete Thank You
							Tak Res A-1
							Josh, Brian, Rob
		<u> </u>					
			<u> </u>				
			L		I		

		<u> </u>										182	7.84	283	276	325	REFERENCE	Services,	SWI
																	SECONDARY REFERENCE/ PARY NUMBER	ine.	
	26	2										2	7	2	2	2	ACCOUNTING TIME	Ness City, KS 67500 Off: 785-798-2300	PO Box 466
	HILEAGE TOTAL WEIGHT	SERVICE CHARGE										Halad H	Catseal	5414	ſ	Standard Correct (EA2) (	line in the second	customEn Dhy of farmer	TICKET CONTINUATION
CON	TON MILES 548555	CUBIC FEET 175	 	 	 	 	-			 -		85 16	Stor sk	1 26/1 and	50 145 1	175 281 781	un o	WELL SHU TI TWIN	
CONTINUATION TOTAL 458,55	1 1 21 518155	30								 		8 6 6 6 80 00	282	180	100	- C 450	BUCE I DO	DATE 6 17-13 mue 2 m 2	2 y y 37

John O farmer Inc SHU T1 Twin #11 Russell Co Ks.

6-16-13 Moved in 5 ½ casing.
6-17-13 Ran 80 jts of 5 ½ casing 14# new R-3 . Installed centerlizers at 3346 3265 3195 3110 3025 2938 2811. Baskets at 3305 and 2810. Welded scratchers thru sand and LK-C zones. Set 3' off bottom at 3367 Cir and rotated for ½ hr. Rigged up Swift and cemented rat hole w/ 30 sxs and mouse hole w/ 15 sxs. Pumped 500 gal mud flush and 20 bbls KCL flush. Pumped 130 EA-2 good cir at all times. 800# pumping 1500 landing plug Plug down at 11.15 AM Released rig 11:45 AM

5 $\frac{1}{2}$ cement guide shoe		1.00	3367
5 ½ shoe jt		19.87	
Total shoe jt		20.87	3346
5 ½ 14# new R-3	79jts	3340.59	
Landing jt		8.00	
Total pipe		3369.46	
RTD LTD		3370	
Pipe set 3' off bottom		3367	8' KB

Reserve Pit Chlorides ZSUV Abls - 32 Abls Hi Liner RAM P. O. Box 763 Motel No Service Mud -Mud Up @ Fuel Casing Crew Cement Surface Testing Trucks DISCOVERY DRILLING -rac Tank Mud Cost - \$ Surface Mud Used Mud Company KM \_oggers Water-Hauling Surface Pipe - Co. Trucks l' Drlg. Time @ lell 20 unid Horger Construction Maximum emini 2300' Awbawa. (785) 623-2920 Nerve Asikhul Nerve Asikhul Schmidtherger Construction Yes 18902 20 602 3 Hulls Denver 45 Mus Clobke Phali HAYS, KANSAS 67601 Mud & Warker No Other alque 10' Wet & Dry @ Type T.D. D. LUCH Les Vin Buispac 10052 Tool Pusher Mike Caschlar API # Company \_ Contractor N Tool Joint Conn. No. 9tt 124 Plugging Report Casing - Palle Man Soi State Plugger -Size EAR 167-23,884 Elevation 1795 15 sks @ MONSE Hole 175 sks (Total) Est/2 30 sks @ lat the John O. Termer, Inc. sks (Total) Ext ATC. Down Job By - 54114 Rig Release @ Plug Down @ Make are XH Mith Starb (Plug Slac 34 1617 34 Type Drill Pipe Size \_ Williams SYND Ran 11 15 A.M. 6/71/5 Social Security # Services Jet 5201 H W/1308/5 Arillingle, Inc. Rig No. 4 500000 14#51/ " 45417 0 721 721 934 7395 5224388 721 536 2649 664 59,83 95417 Serial Driller Max Ba Huaser AN Section Pond Name -Spud Cemented w/ 375 Talley WATER INFORMATION Job By + City Address -Drilled Plug @ Plug Down @ Surface Pipe From To Depth K.B. R.T.D. 3370 17 jts. new Z3 # 8-5/8" casing 98 Mt FSL 0 Drill Collars No. \_ Vality 574: 74. 75 NS= 44. 20 PM Water Well Cement Feet Hours 415 NIS set @ + FEL Township 518 sks. Common Zuce & 370CC P.M. P.M. P.M. P.M. - Driller Jelly Wilson Driller Kein Dinkel 11 Other Computing Feet Per Hour O.D. 64" I.D. ZE" PUMP No. 1 EVISCO DET Lease SHU TI TWIN State\_\_\_ Spot why attributed Section 4 Township 155 RN 1242 K.B Aulzon Range Phone # -20/40000 6,12,2013 6, 11, 2013 6,12,2013 Weight 1000 Lbs. Kansas aby 00 RPM - County Kussell the Vert. Dev. 8 Pump Press. 8 Dst #10 Dst #8 Dst #12 Dst #11 Dst #9 Dst #7 Dst #6 Dst #5 Dst #4 Dst #3 Dst #2 Dst #1 (318 - 328) LKC-BKC Cedar Hills Sand Phone (18)/50-362 Geo. Name Lusin Llas Anhydrite (710-742) Dakota Sand Arbuckle Marmaton Toronto Heebner Topeka - Fieldth 11-burne Formation Tops Well No. 3 1

	DRILL STEM TES	TREP	ORT			
RILOBITE	Famer, John O. Inc		4-15s-	12w Russ	sell KS	
ESTING , IN	10 000 002		Hall -	Gurney #	<b>#11</b>	
	Russell KS, 67665		Job Tic	ket: 53914	DST#	<b>#: 1</b>
	ATTN: Austin Klaus		Test St	art: 2013.0	6.16 @ 18:09:00	)
GENERAL INFORMATION:						
Formation:Gorham SandDeviated:NoWhipstockTime Tool Opened:20:23:30Time Test Ended:01:37:15	ft (KB)		Test Ty Tester: Unit No	Cody	entional Straddle Bloedorn	e (Initial)
Interval:3198.00 ft (KB) ToTotal Depth:3370.00 ft (KB)Hole Diameter:7.88 inchesH			Refere	nce Elevatio KB to GR	1784.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #:         6799         Inside           Press@RunDepth:         350.93 psig           Start Date:         2013.06.10           Start Time:         18:09:00           TEST COMMENT:         30 - IF- B.O.B.           30 - ISI- Surfa         30 - FF- B.O.B.           30 - FF- B.O.B.         30 - FF- B.O.B.           30 - FF- B.O.B.         30 - FF- B.O.B.	End Date: End Time: in 4 minutes e return in 5 minutes	2013.06.17 01:37:14	Capacity: Last Calib.: Time On Btn Time Off Btr		8000.( 2013.06. <sup>-</sup> 06.16 @ 20:23:( 06.16 @ 22:24:(	00
Pressure v			PRE		UMMARY	
	5799 Temperature	Time	· · · · ·		notation	
	Fixel Hydro-static - 115	(Min.) 0		deg F) 97.29 Initia	al Hydro-static	
	- 110	1			en To Flow (1)	
	- 105	30		00.10 Shu		
	Brown Carl	61 61		00.37 End	Shut-In(1) en To Flow (2)	
		90			it-ln(2)	
		121 121			Shut-In(2) al Hydro-static	
Recover	,		ļļ_	Gas Ra	ites	
Length (ft) Description	Volume (bbl)			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
62.00 SOCMW, 10%O, 40%I	I, 50%W 0.60		I		<u>I</u>	
434.00 GMCO, 5%G, 40%M, 5	5%O 6.09					
372.00 GO, 30%G, 70%O	5.22					
0.00 186' G.I.P.	0.00					
+	Ref. No: 5391/			Printed: 2013		

RILOBITE	DRILL STEM TES	ST REP	ORT					
	Famer, John O. Inc		4-15s-12w Russell KS					
ESTING , IN	C Po box 352 Russell KS, 67665		Hall - Gurney #11					
			Job Ticket:		DST#:1			
	ATTN: Austin Klaus		Test Start:	2013.06.16 @	2 18:09:00			
GENERAL INFORMATION:								
Formation:Gorham SandDeviated:NoWhipstockTime Tool Opened:20:23:30Time Test Ended:01:37:15	ft (KB)		Test Type: Tester: Unit No:	Conventiona Cody Bloed 43	al Straddle (Initial) orn			
Total Depth: 3370.00 ft (KB)	<b>3228.00 ft (KB) (TVD)</b> (TVD) ole Condition: Fair		Reference I KE	∃evations: 3 to GR/CF:	1792.00 ft (KB) 1784.00 ft (CF) 8.00 ft			
Serial #: 8655Below (StrPress@RunDepth:psiStart Date:2013.06.1Start Time:18:09:0	g @ 3233.00 ft (KB) 6 End Date:	2013.06.17 01:35:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.06.17			
TEST COMMENT: 30 - IF- B.O.B 30 - ISI- Surfa 30 - FF- B.O.I 30 - FSI- No r	ce return 5. in 5 minutes sturn	1						
Pressure v 8865 Pressure	s. Time 8666 Temperature	Time	PRESSU Pressure Temp	JRE SUMM				
1720 1900	17 Men	(Min.)	(psig) (deg F					
Recover	V		G	as Rates				
Length (ft) Description	Volume (bbl)				ure (psig) Gas Rate (Mcf/d)			
62.00 SOCMW, 10%O, 40%	И, 50%W 0.60		ł	ł	ł			
434.00 GMCO, 5%G, 40%M,	55%O 6.09							
372.00 GO, 30%G, 70%O	5.22							
0.00 186' G.I.P.	0.00							
	<b>++</b>							

RILOBIT	E —	ILL STEM TEST REPOR			O SUMMAR			
TESTIN		, John O. Inc	4-15S-12W	Russell KS				
		k 352 II KS, 67665		Hall - Gurney #11 Job Ticket: 53914 DST#:1				
No.	ATTN	Austin Klaus		2013.06.16 @ 18:09:00				
Mud and Cushion Infor	mation							
Salinity: 5000.00 ppr	c/qt n.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	deg API ppm			
Recovery Information								
F		Recovery Table		7				
	Length ft	Description	Volume bbl					
	62.00	SOCMW, 10%O, 40%M, 50%W	0.596					
	434.00 372.00	GMCO, 5%G, 40%M, 55%O GO, 30%G, 70%O	6.088 5.218					
	0.00	186' G.I.P.	0.000					
Total	Length: 86	3.00 ft Total Volume: 11.902 bl	bl					
Labo	Fluid Samples: 0 ratory Name: very Comments:	Num Gas Bombs: 0 Laboratory Location:	Serial #	Ξ				

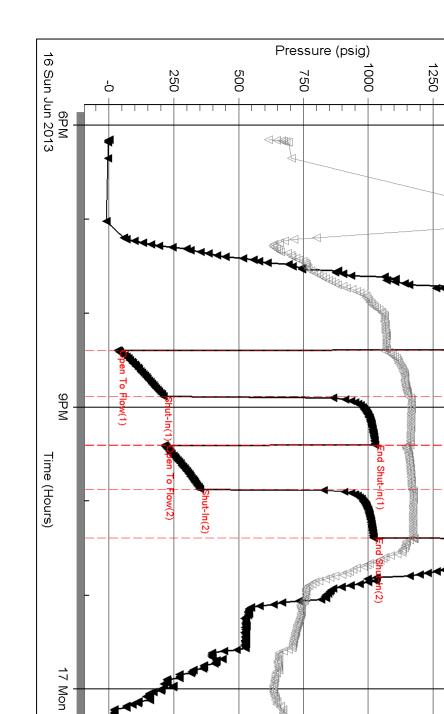
Printed: 2013.06.17 @ 02:37:44

- 60

ភ្ល ភូរ

Ref. No: 53914

Trilobite Testing, Inc



Serial #: 6799 1500 1750 Famer, John O. Inc Find the second nitial Hydrb-static Pressure vs. Time Final Hydro-static 0799 Temperature ор СЛ ő 80 110 115 5 120 70 75 С О 100 105

Temperature (deg F)

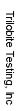
Inside

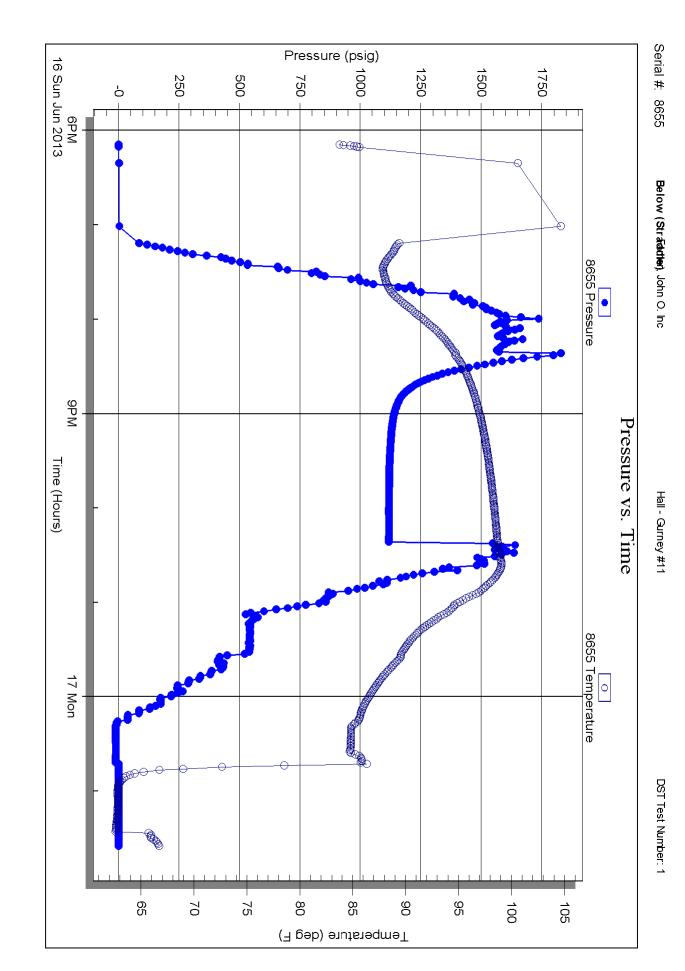
Hall - Gurney #11

DST Test Number: 1

Printed: 2013.06.17 @ 02:37:44

Ref. No: 53914







# **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:	SHU Tr1 W11		
Location:	Russell County		
License Number:	API # 15-167-23,884-0000	Region:	Kansas
Spud Date:	6/11/13	Drilling Completed:	6/16/13
Surface Coordinates:	Section 4 - Township 15 S	outh - Range 12 West	
	2,345' FSL & 925' FWL		
Bottom Hole	Vertical well with minimal	deviation, same as above	
Coordinates:			
Ground Elevation (ft):	1,789' K	.B. Elevation (ft): 1,797'	
Logged Interval (ft):	2,250' To: RTD	Total Depth (ft): 3,370	
Formation:	Tarkio - Granite		
Type of Drilling Fluid:	Chemical (Andy's)		
	Printed by ST	RIP LOG from WellSight Systems 1-800-	447-1534 www.WellSight.co

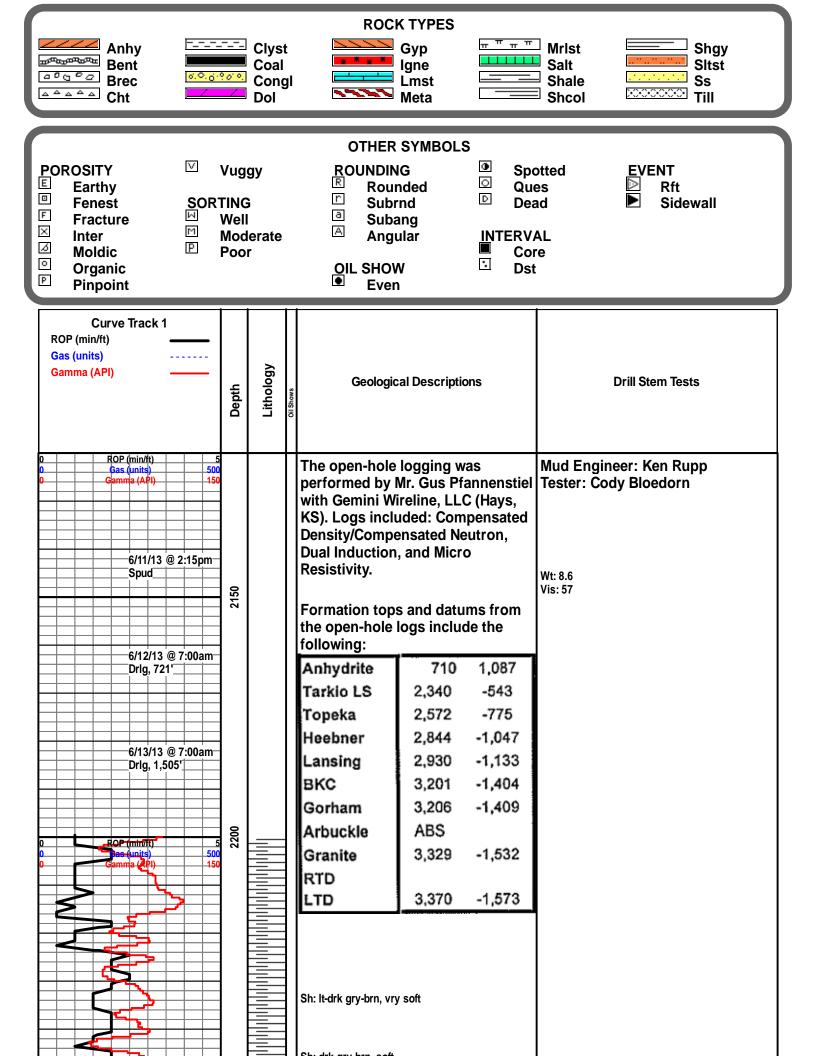
### OPERATOR

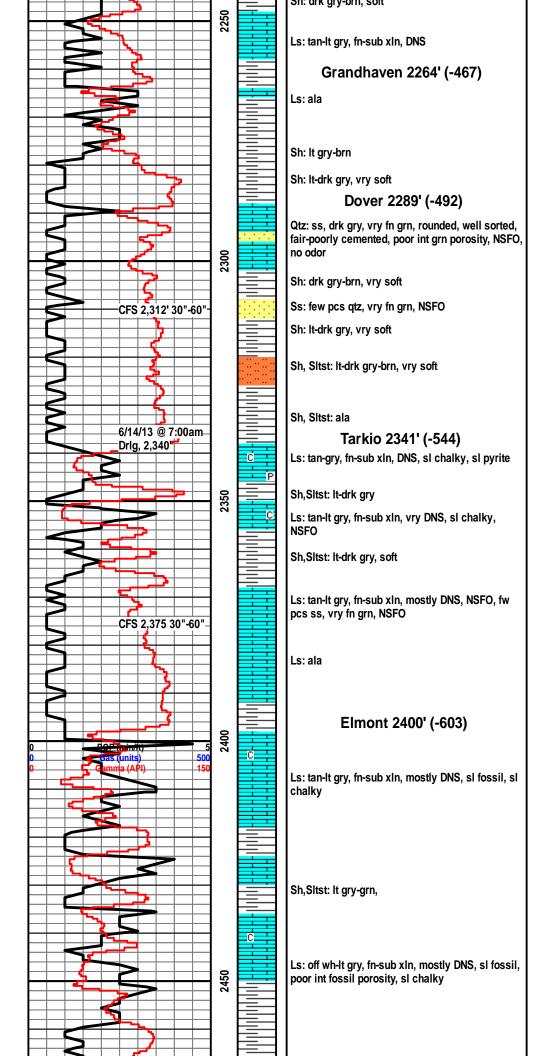
Company: John O. Farmer, Inc. Address: P.O. Box 352 Russell, KS 67665-0352

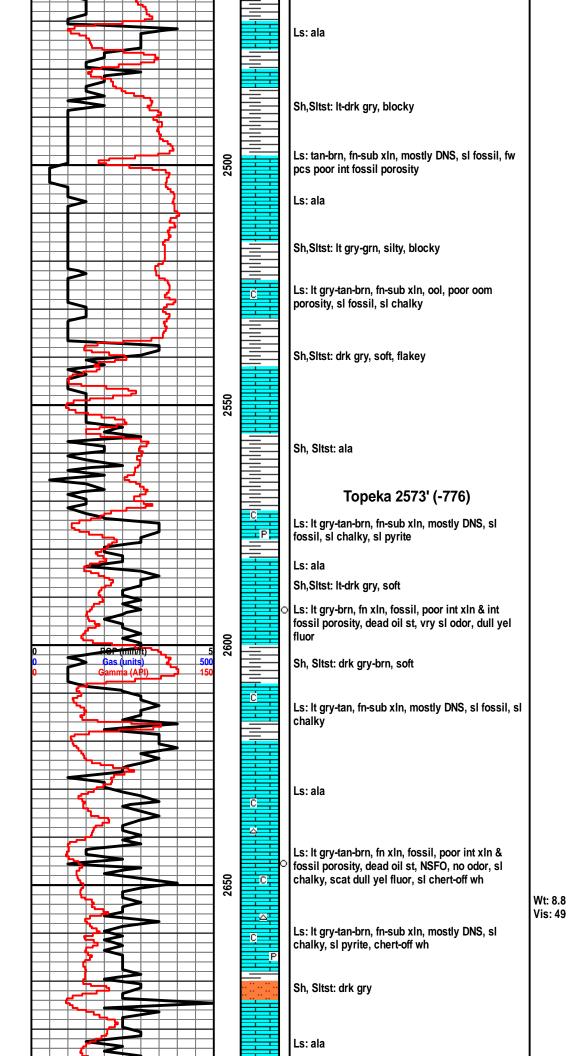
Comments

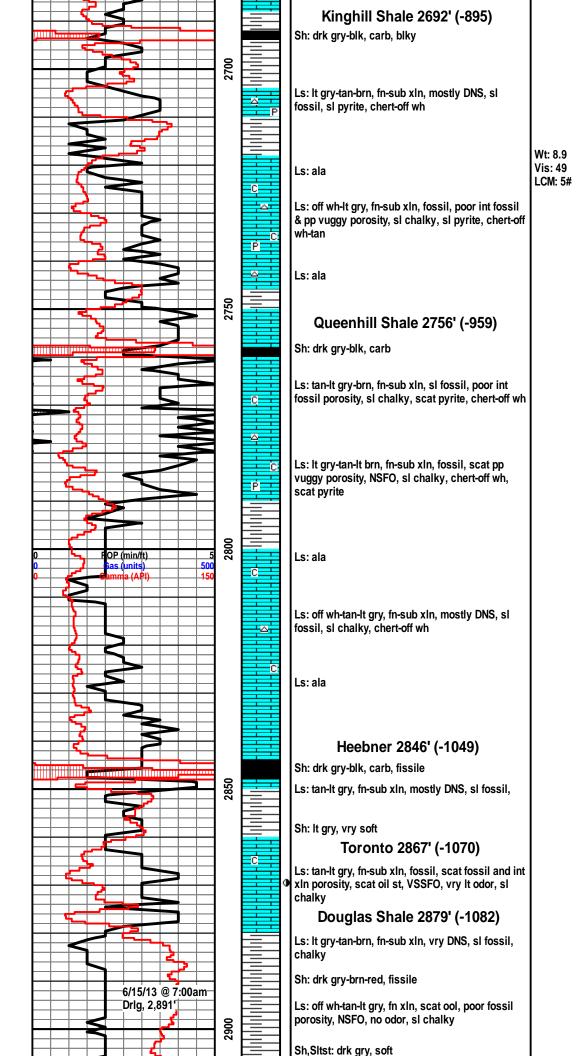
The SHU Tr1 W11-twin well was drilled by Discovery Drilling Rig #4 (Tool Pusher: Mike Gaschler).

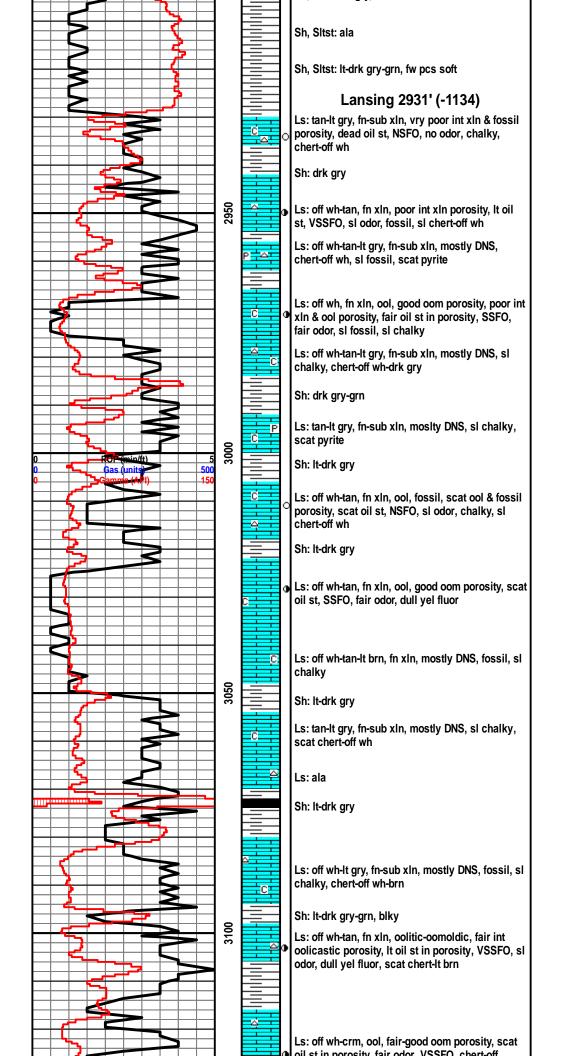
The location for the SHU Tr1 W11-twin well was drilled as a replacement for the Kuhnle #11, drilled in 1956. Geologic samples were collected and examined from 2,250-3,370'. A straddle test was run over the Gorham Sand, which yielded positive results. After all sample, log, and drill stem test data was gathered and evaluated, the decision was made to run 5 1/2" production casing to further evaluate the SHU Tr1 W11 well on 6/17/13.

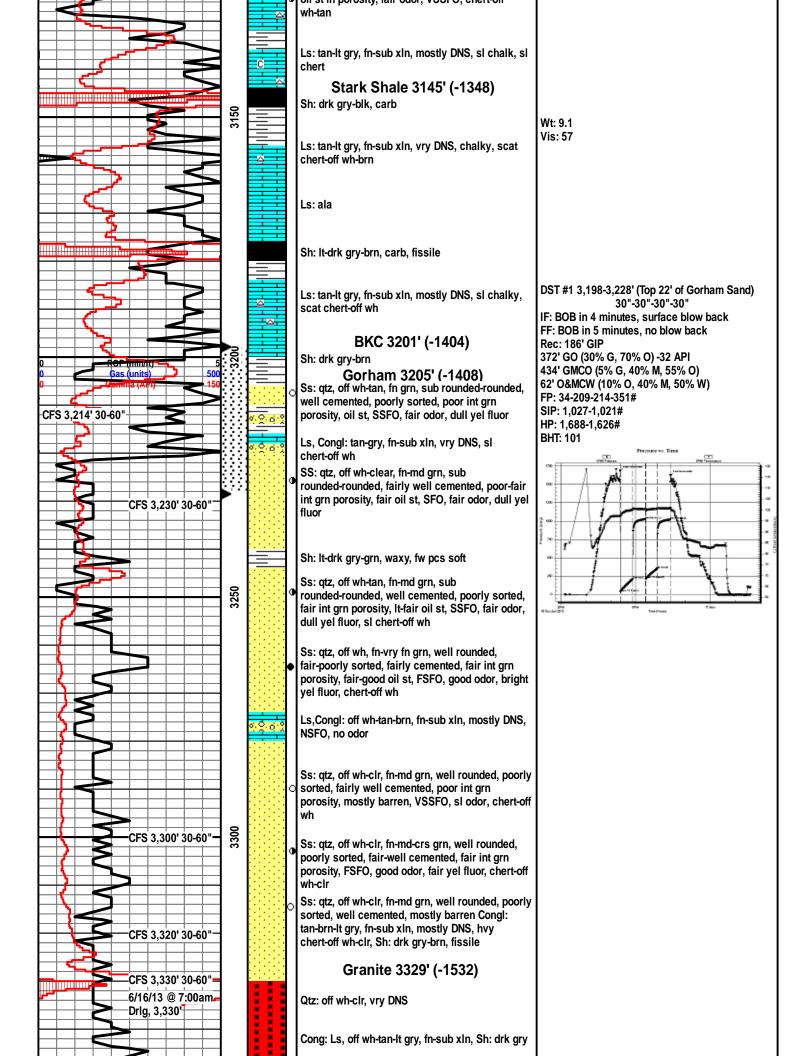












CFS 3,350' 30-60"_	3350 ******	Qtz: clr-red, vry DNS	
6/17/13 @ 7:00am Running Casing,	****	Qtz: ala, Sh: grn, waxy, scat pyrite	