KOLAR Document ID: 1423294

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Name:	
Feet from North / South Li	
City: State: Zip:	∃ast
Contact Person:	ne of Section
Phone: () NE NW SE SW CONTRACTOR: License #	ne of Section
CONTRACTOR: License #	
Name:	
Name:	
Wellsite Geologist:	xxx.xxxxx)
Purchaser:	
Designate Type of Completion:	_
New Well Re-Entry Workover Field Name:	
Producing Formation:	
Gas DH EOR	
OG GSW Total Vertical Depth: Plug Back Total Depth:	
CM (Coal Bed Methane) Amount of Surface Pipe Set and Cemented at:	Feet
☐ Cathodic ☐ Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? ☐ Yes ☐ No	
If Workover/Re-entry: Old Well Info as follows:	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 EOR ☐ Conv. to SWD ☐ Drilling Fluid Management Plan	
Plug Back Liner 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:	
SWD Permit #: Location of fluid disposal if hauled offsite:	
EOR Permit #:	
GSW Permit #: Operator Name:	
Lease Name: License #:	
Spud Date or Date Reached TD Completion Date or Quarter Sec. Twp. S. 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 Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II Approved by: Date:						

KOLAR Document ID: 1423294

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS	S. R	Eas	st West	County:					
	l, flowing an	d shut-in pres	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests (Attach Addit)		Yes No		Lo		n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Log	s		Yes No Yes No Yes No						
			Rep	CASING	RECORD [Nev		on, etc.		
Purpose of St	tring	Size Hole Drilled		Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		<u>'</u>	
Purpose: Perforate		Depth Top Bottom	Тур	# Sacks Use	Used Type and Percent Additives					
Protect Ca										
Plug Off Z										
Did you perform Does the volume Was the hydraul	e of the total	base fluid of the	hydraulic	fracturing treatment		-	Yes S? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Produ Injection:	ction/Injectio	n or Resumed P	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			DN INTERVAL: Bottom
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled nit ACO-4)	Тор	BOLLOTTI
,	ed, Submit AC							·		
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	Size:	Set A	: -	Packer At:					

Form	ACO1 - Well Completion						
Operator	Farmer, John O., Inc.						
Well Name	PRESTON B 1						
Doc ID	1423294						

Tops

Name	Тор	Datum	
Mississippi	2298	(-970)	
Kinderhook	2662	(-1334)	
Hunton	2807	(-1479)	
Maquoketa	2885	(-1557)	
Viola	2915	(-1587)	
Simpson Sand	3029	(-1701)	
Arbuckle	3078	(-1750)	
T.D.	3143	(-1815)	

Form	ACO1 - Well Completion						
Operator	Farmer, John O., Inc.						
Well Name	PRESTON B 1						
Doc ID	1423294						

Casing

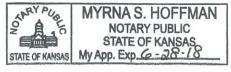
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	223	Common	3% C.C., 2% gel
Production	7.875	5.5	15.5	3140	Common	10% Salt, 5% Gilsonite



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

DRILLER'S LOG

		DIVILLENTO LOG	
Operator: John O. Fa	armer, Inc.	Lic# 5135 Contractor:	Discovery Drilling Co., Inc. LIC#31548
370 West \	Wichita Avenue - P.O. Bo	ox 352	PO Box 763
Russell, K	S 67665		Hays, KS 67601
37			
Lease: Preston "B	"#1	Location:	1025 FNL - 1450 FEL
			SE/SE/NW/NE
			Section 24/ 15S/ 11E
			Lyon County, KS
		9	
Loggers Total Depth:	3143'	API#15-	111-20,504-00-00
Rotary Total Depth:	3140'	Elevation:	: 1320 GL - 1328 KB
Commenced:	NAME OF TAXABLE PARTY O	Completed	
Casing:	8 5/8" @ 223W/150sks	Status:	: Oil Well
	5 1/2' @ 3140"W/120sks	S	arc .
	DEI	PTHS & FORMATIONS (All from KB)	
Surface Lime & Shale	<u>O'</u>	Viola	2915'
Shale-Lime-Sand	501'	Simpson	3030'
Shale	708'	Arbuckle	3075'
Lime & Shale	962'	RTD	3140'
Mississippian	2295'		
Kinderhook	2660'	-	
Hunton	2804'	-	
STATE OF KANSAS			
COUNTY OF ELLIS) ss)		1
		ates that to the best of his kno log of the above captioned we	
		Thomas H. Alm	
Subscribed and swor	n to before me on	-26-18	
My Commission expi	res: <u>6-28-18</u>	- ^	1 /
(Place stamp or seal	below)	Notary Public	Follmon



QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

.No. 783

Date 6	2-18	Sec.	Twp.	Range [/	1	County	State		On Lo	ocation	Finish	<u> </u>
·				L	Location		Grove	15£	1.	1 0 1	5N to	390H
Lease /	ve sto		15	Well, No.	Locain	Owner 2E	1- N R		3/4 N	w/s/	0 K 10	
Contractor	Discourse	u#2		vvenito.		To Quality O	lwell Cementing	g, Inc.		7		
Type Job	Surface	.)	-			You are here cementer an	by requested to d helper to assi	o rent ce st owne	ementing r or cont	equipment ractor to do	and furnish work as liste	d.
Hole Size	121/4"	* .	T.D.	223'		Charge J	whin O.	Fa	cme r			
Csg.	85/8	h	· · · · · · · · · · · · · · · · · · ·	223'		Street			<u> </u>			
Tbg. Size			Depth			City			State	Tuul tare Halima		
Tool			Depth			The above wa	s done to satisfac	ction and	supervisi	on of owner	agent or contra	ictor.
Cement Left	in Csg. ぱ	7	Shoe J	loint 15		Cement Amo	ount Ordered /	20	Com	3%.cc	2%.60	
Meas Line			Displac	ce 131/4	BUS							
		EQUIPN	MENT			Common	50	W	or Manager			
Pumptrk /	No. Ceme	er 🤨	ick			Poz. Mix				· · · · · · · · · · · · · · · · · · ·		
Bulktrk 21	No. Drive Drive	r DOU	lor			Gel. 3					·	
Bulktrk	No. Drive Drive		/			Calcium 6	; ·					
	JOB SE	ERVICES	& REMA			Hulls						
Remarks: (ement	J.	<u>/ </u>	Circulat	e	Salt						
Rat Hole		,		_	~~~~	Flowseal						
Mouse Hole						Kol-Seal						
Centralizers						Mud CLR 48						
Baskets						CFL-117 or CD110 CAF 38						
D/V or Port 0	Collar		470			Sand						
	100				, i	Handling /	59					6,
	tragulti i i i i					Mileage		-675				
- 19 ¹⁰⁰	7-000000 5-00000000000000000000000000000	Ja .					FLOAT EQ	UIPME	NT			
		7				Guide Shoe						
	/		_//_	<u> </u>		Centralizer						
		1/				Baskets	vo. 72 700					
	1 4	// //			1 137	AFU Inserts		<u> </u>				
						Float Shoe						
			statistan, 20		<u> </u>	Latch Down						
		2550					y O					
			496					<u> </u>	2000 G			
			Service of			Pumptrk Cha	arge Surfe	ice				
						Mileage S	0	- No.				
						_				Tax		
	1		1							Discount		
X Signature	1-1	استركهر				*:			To	tal Charge		

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Cell 785-324-1041	Twp. Range	County State On Location Fi	1 100
Date 6-7-18 24	Twp. Range		inish NAM
there is a control of the control of	oles deserved in a	Location Council Grove - 15E to LRd. 51	1 7 390
Lease Meston B	Well No.	Owner DE to N Rd 3/4 N WITHTO	01 301
Contractor Discovery \$ 0	position and the se "Allina	10 Quality Oliwell Cementing, Inc.	1.050
Type Job Longston	Wast RAPITAN (ant on)	You are hereby requested to rent cementing equipment and fur cementer and helper to assist owner or contractor to do work a	nish s listed.
Hole Size 77/8 N	T.D. 3140	Charge John O. Farmer	day it
Csg. New 15.50 5%"	Depth 3)40'	Street Street Street Street of gamaned	ADM: A
Tbg. Size	Depth	City	STATES TO STATE OF THE STATES AND ADDRESS OF
Tool	Depth	The above was done to satisfaction and supervision of owner agent or	contractor.
Cement Left in Csg. 25'	Shoe Joint 25'	Cement Amount Ordered 150 Com 10% Salt 5%	and a supplied from the state of
Meas Line	Displace 74	BLS 500 april Mud Clear 48, 20 BLS KCL	T-1
EQUIPI	MENT MEDICAL A DAMAGE OF	Common 150	112ALLIU
Pumptrk 6 No. Cementer Helper	avid	Poz. Mix REMOTEBO Vd Sizn bits at 56 Hara so	i ilay 155
Bulktrk)4 No. Driver Do u	Karana and Market Street	Get ACL 2	ini
Bulkerk D. U. No. Driver Roll	Valorio Cagno I	Calcium harborg ast regulo a sinu. \$20,84,85 ut setipas	4-
JOB SERVICES	& REMARKS	Hulls	g trêmus
Remarks:	of spilal action legis X .	Salt / 3 (ALE) proper another medical bas a second	Mark Though
Rat Hole	e er duid - Euclis	Flowseal Flowseal	a also not
Mouse Hole	na vnadzineja um sen	Kol-Seal 7507	
Centralizers 1, 3, 5, 7, 9,11	leri se <mark>rengi</mark> pin su i ses	Mud CLR 48 500 Gal	(3)
Baskets 12	remair na seo desaena	CFL-117 or CD110 CAF 38	(B)
D/V or Port Collar Dipe on bot	tom break Circu	ubtion Sand	n aud en
puono sos agl mul (0 Bus Handling / 70	COLUMN ACCOUNT
KEL dug Rathole	w 355x Hook	h Mileage	i imeta
55" Casing + mix	120 SX Cement	Shut FLOAT EQUIPMENT	PERSONAL PROPERTY.
down wash pump t	lines Roleased		0.000
+ Displaced w/ 74	Bus of HZO.	Centralizer 6	
Released + held,	medioa listkoldisti ba	Baskets Artar	AFEL SIN
devia i i i i i i i i i i i i i i i i i i		AFU Inserts	A Things
Lift pressure	750#	Float Shoe	go besittin
Land bluer to	1500#	Latch Down	
Telestas secondo y de sot i	n total (70.400 box 3	Rotating head	s of c
			n bride
una in house and to see	A 44 8	Pumptrk Charge prod String	12
A SALAMAN		Mileage SI)	note the se
properties section 10 months and 10 months a		Tax	HALK IN
en in esevolung all is YTENEG		Discount Discount	eifeu ir f
X Signature Ovn Weavel		Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 490

Sec. County State On Location Finish Twp. Range KS Date 6-27-Lyonwall آ/ي 390 Location Allen 2 E Rd Winta Well No. B-/ Preston Owner To Quality Oilwell Cementing, Inc. Contractor Western You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Saugeze Charge Hole Size T.D. Depth Street Tbg. Size 2 1/ Depth City State Depth 2936' The above was done to satisfaction and supervision of owner agent or contractor. Packer Tool Cement Amount Ordered Cement Left in Csg. Shoe Joint Displace Meas Line **EQUIPMENT** Common No. Cementer Helper Breth Pumptrk Poz. Mix No. Driver Gel. Bulktrk Driver No. Driver Bulktrk Calcium Driver **JOB SERVICES & REMARKS** Hulls Pere 30:34-35 Salt Remarks: Rat Hole Flowseal Kol-Seal Mouse Hole Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Circulate Kale clean Mileage 400 165 FLOAT EQUIPMENT Rate 2661 @ 700 165 Guide Shoe 50 Centralizer 18 bhl Baskets AFU Inserts Float Shoe Latch Down Tarmina Pumptrk Charge Mileage Tax Discount Total Charge Signature



Prepared For: John O Farmer Incorporated

PO Box 352

Russell, KS 67665+2635

ATTN: Austin Klaus

Preston B-1

24-15S-11E Lyon,KS

Start Date: 2018.06.06 @ 04:28:00 End Date: 2018.06.06 @ 10:04:02 Job Ticket #: 63494 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



John O Farmer Incorporated

PO Box 352

Russell, KS 67665+2635

ATTN: Austin Klaus

24-15S-11E Lyon, KS

Preston B-1

Job Ticket: 63494 DST#: 1

Test Start: 2018.06.06 @ 04:28:00

GENERAL INFORMATION:

Formation: Simpson Sand

Deviated: Whipstock: ft (KB)

Time Tool Opened: 05:35:02 Time Test Ended: 10:04:02

Interval: 3023.00 ft (KB) To 3038.00 ft (KB) (TVD)

Total Depth: 3038.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney

Unit No:

72

Reference Elevations:

1328.00 ft (KB)

psig

1320.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 6752 Outside

Press@RunDepth:

Start Date:

Start Time:

66.86 psig @ 2018.06.06

04:28:01

3025.00 ft (KB) End Date:

End Time:

2018.06.06 10:04:02 Capacity:

2018.06.06

Last Calib.: Time On Btm:

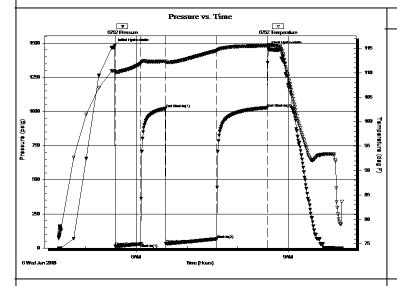
2018.06.06 @ 05:34:32

Time Off Btm:

2018.06.06 @ 08:36:17

TEST COMMENT: IFP 30 minutes/ Blow built to 2"

ISI 30 minutes/ No blow back FFP 60 minutes/ Blow built to 3" FSI 60 minues/ No blow back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	7 milotation
0	1481.47	110.36	Initial Hydro-static
1	13.23	110.17	Open To Flow (1)
31	30.39	111.85	Shut-In(1)
60	1021.66	112.31	End Shut-In(1)
61	31.86	112.13	Open To Flow (2)
121	66.86	114.49	Shut-In(2)
181	1027.60	115.50	End Shut-In(2)
182	1463.32	115.57	Final Hydro-static

Recovery

Description	Volume (bbl)
MW w / Trace of oil Mud 25% Water 759	% 1.68
Thick tar like oil	0.01
	MW w / Trace of oil Mud 25% Water 75

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 63494 Printed: 2018.06.06 @ 16:51:55



John O Farmer Incorporated

PO Box 352

Russell, KS 67665+2635

ATTN: Austin Klaus

24-15S-11E Lyon, KS

Preston B-1

Job Ticket: 63494 DST#: 1

Test Start: 2018.06.06 @ 04:28:00

GENERAL INFORMATION:

Formation: Simpson Sand

Deviated: Whipstock: ft (KB)

Time Tool Opened: 05:35:02 Time Test Ended: 10:04:02

Interval: 3023.00 ft (KB) To 3038.00 ft (KB) (TVD)

Total Depth: 3038.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney Unit No: 72

1328.00 ft (KB)

Reference Elevations:

1320.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6755 Inside

Press@RunDepth:

1018.66 psig @

3024.00 ft (KB)

2018.06.06

Capacity:

psig

Start Date: Start Time: 2018.06.06 04:28:01

End Date: End Time:

10:04:02

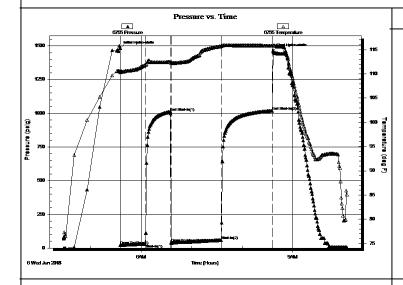
Last Calib.: Time On Btm: 2018.06.06

Time Off Btm:

2018.06.06 @ 05:34:47 2018.06.06 @ 08:36:17

TEST COMMENT: IFP 30 minutes/ Blow built to 2"

ISI 30 minutes/ No blow back FFP 60 minutes/ Blow built to 3" FSI 60 minues/ No blow back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1483.63	110.57	Initial Hydro-static
1	22.55	110.36	Open To Flow (1)
31	28.91	111.87	Shut-In(1)
60	1011.61	112.44	End Shut-In(1)
61	39.13	112.32	Open To Flow (2)
121	59.58	115.72	Shut-In(2)
181	1018.66	115.82	End Shut-In(2)
182	1464.86	115.83	Final Hydro-static
		1	

Recovery

Description	Volume (bbl)
MW w / Trace of oil Mud 25% Water 759	% 1.68
Thick tar like oil	0.01
	MW w / Trace of oil Mud 25% Water 75

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 63494 Printed: 2018.06.06 @ 16:51:55



TOOL DIAGRAM

John O Farmer Incorporated

24-15S-11E Lyon,KS

PO Box 352

Preston B-1

Russell, KS 67665+2635

Job Ticket: 63494 **DST#: 1**

ATTN: Austin Klaus

Test Start: 2018.06.06 @ 04:28:00

Tool Information

Drill Pipe: Length: 2
Heavy Wt. Pipe: Length:
Drill Collar: Length:

Length: 2723.00 ft Diameter:
Length: 311.00 ft Diameter:
Length: 0.00 ft Diameter:

3.80 inches Volume: 38.20 bbl 3.80 inches Volume: 4.36 bbl 0.00 inches Volume: 0.00 bbl

Total Volume:

42.56 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 52000.00 lb

Drill Pipe Above KB: 31.00 ft
Depth to Top Packer: 3023.00 ft

Depth to Bottom Packer: ft Interval between Packers: 15.00 ft

Tool Chased 0.00 ft
String Weight: Initial 45000.00 lb
Final 46000.00 lb

Tool Length: 35.00 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			3008.00		
Hydraulic tool	5.00			3013.00		
Packer - Shale	5.00			3018.00		
Packer	5.00			3023.00	20.00	Bottom Of Top Packer
Recorder	1.00	6755	Inside	3024.00		
Recorder	1.00	6752	Outside	3025.00		
Anchor	10.00			3035.00		
Bullnose	3.00			3038.00	15.00	Anchor Tool

Total Tool Length: 35.00

Trilobite Testing, Inc Ref. No: 63494 Printed: 2018.06.06 @ 16:51:55



FLUID SUMMARY

John O Farmer Incorporated

24-15S-11E Lyon, KS

PO Box 352

Russell, KS 67665+2635

Preston B-1

Job Ticket: 63494

DST#: 1

ATTN: Austin Klaus

Test Start: 2018.06.06 @ 04:28:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:19000 ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:44.00 sec/qtCushion Volume:bbl

Water Loss: 9.58 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 800.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

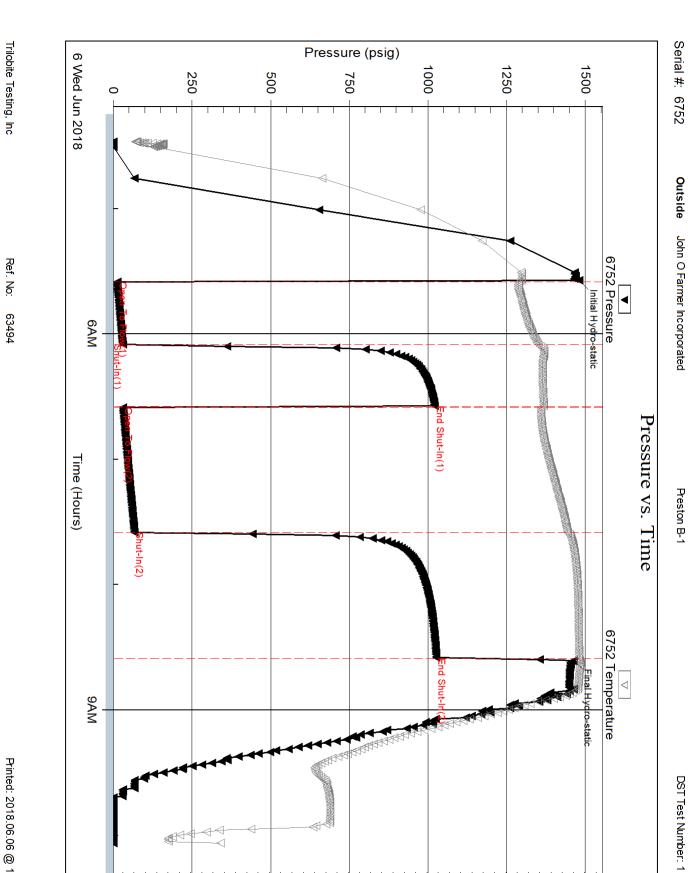
Length ft	Description	Volume bbl	
120.00	MW w / Trace of oil Mud 25% Water 75%	1.683	
1.00	Thick tar like oil	0.014	

Total Length: 121.00 ft Total Volume: 1.697 bbl

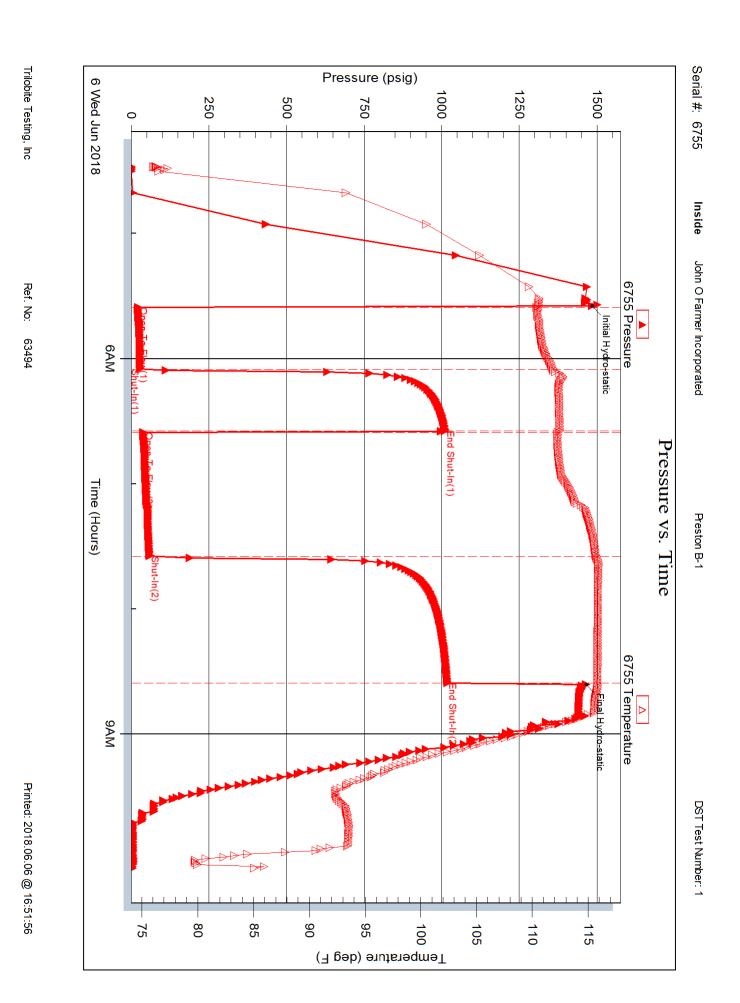
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location: Recovery Comments: Recovery Resistivity .262 ohms @ 90 deg.

Trilobite Testing, Inc Ref. No: 63494 Printed: 2018.06.06 @ 16:51:55



Temperature (deg F)





RILOBITE ESTING INC.

Test Ticket

NO. 63494

1515 Commerce Parkway - Hays, Kansas 67601

4/10 'M/ANTE'								
Well Name & No.	Preston	8-1		Test No		Date	6 June	18
Company John	O Farmer	Inc		Elevation _	1328	КВ	1320	GL
Address PO B	ex 352	Russell 1	Konsas	67665 t	2635			
Co. Rep / Geo. Au	estin Klau	5	44	Rig	Scourry	Rig	2	
Location: Sec.	3 4 Twp	<u> パゴ</u> Rge	115	Co	yon		_StateK	5
Interval Tested 30	23-3038	z	one Tested	Simpson	Sand			
Anchor Length	15	D	rill Pipe Run	272	3	Mud W	. 9.	3
Top Packer Depth	3018	D	rill Collars Run			Vis	44	
Bottom Packer Depth_	3023	w	Vt. Pipe Run_	311		WL	9.6	<u> </u>
Total Depth	3038	с	hlorides	800	ppm System	LCM _	1#	
Blow Description I.	F. Blow 6	built to	2 inche	·s				
I.S.I. No	blow bac	4						
FF. Blow bu	. If to 3	rinohes						
F.S.I. No	blow back							
Rec120	Feet of Mudd	x Water u/1.	ight oil 500)	fs %gas	%oil	75	%water	25 %muc
Rec	Feet of Henry to	rlike oil		%gas	%oil		%water	%mud
				%gas	%oil		%water	%mud
Rec	Feet of			%gas	%oil		%water	%muc
Rec	Feet of			%gas	%oil		%water	%mud
Rec Total 121	ВНТ _	115 Gravity	y	API RW 26	20 90	°F Chloric	des 19,00	о ррп
(A) Initial Hydrostatic			est1050				4:00	
(B) First Initial Flow	13						4.28	
(C) First Final Flow		os	Safety Joint		T-Op	en	5:34	9 m
(D) Initial Shut-In	1021						8:34	
(E) Second Initial Flow	31				T-Ou	t	10:03	9M
(F) Second Final Flow	, ,			404 314	Com	ments		
(G) Final Shut-In	1027							
(H) Final Hydrostatic			Straddle			V 12 VII-02	ala Bashas	
				250			ale Packer	
Initial Open	30						cker	
nitial Shut-In			Extra Packer Extra Recorder			Sub Total		
Final Flow 60			Day Standby			Total 1614		
Final Shut-In	. 1						:'t	
32			Total161			001 0130	· · · · · · · · · · · · · · · · · · ·	
Approved By			0	ur Representativ	e			



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: Preston B #1 Location: Lyon County

License Number: API # 15-111-20540-00-00 Region: Kansas

Spud Date: 6/1/2018 Drilling Completed: 6/6/2018

Surface Coordinates: Section 24, Township 15 South, Range 11 East

1,025' FNL & 1,450' FEL

Bottom Hole Vertical well w/ minimal deviation, same as above

Coordinates:

Ground Elevation (ft): 1,320 K.B. Elevation (ft): 1,328 Logged Interval (ft): 2,200 To: RTD Total Depth (ft): 3,140

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

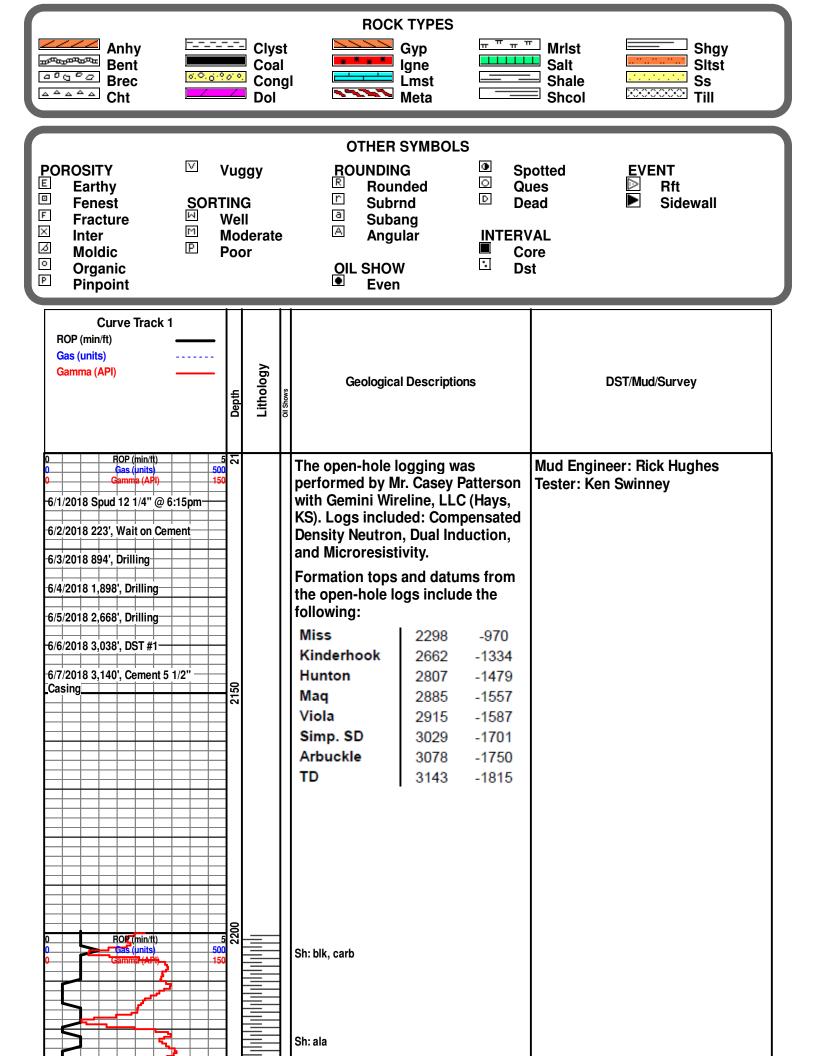
Company: John O. Farmer, Inc. Address: 370 W. Wichita Ave.

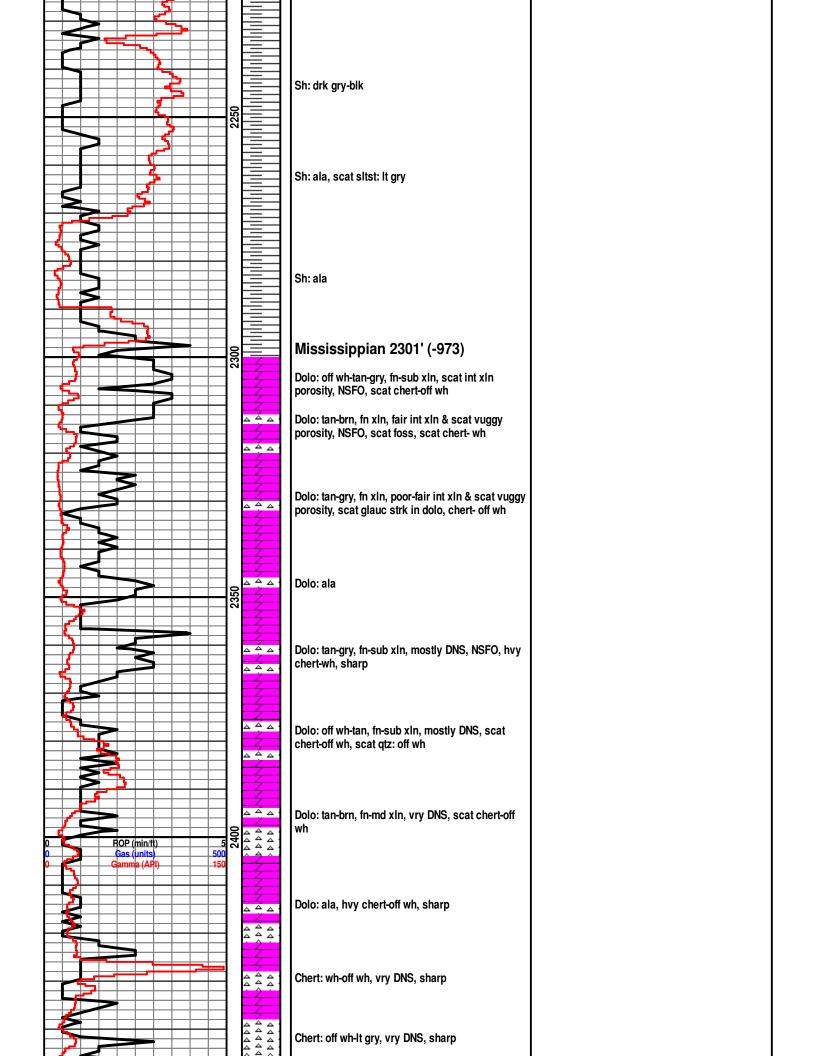
Russell, KS 67665

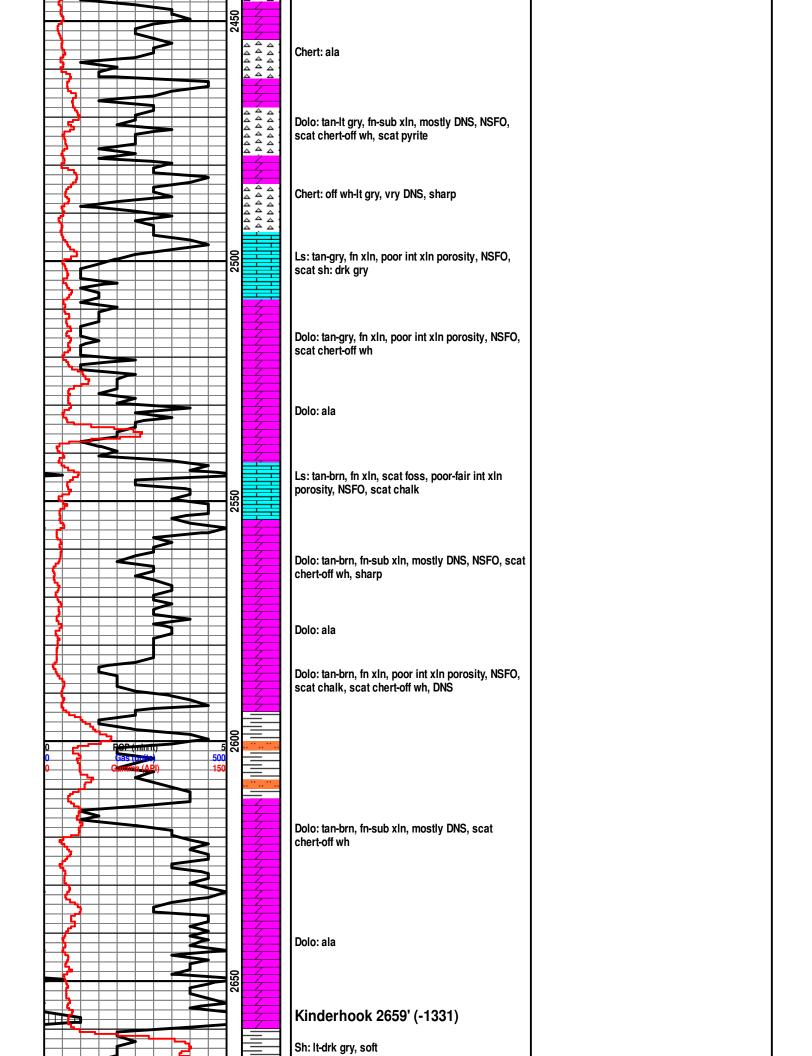
Comments

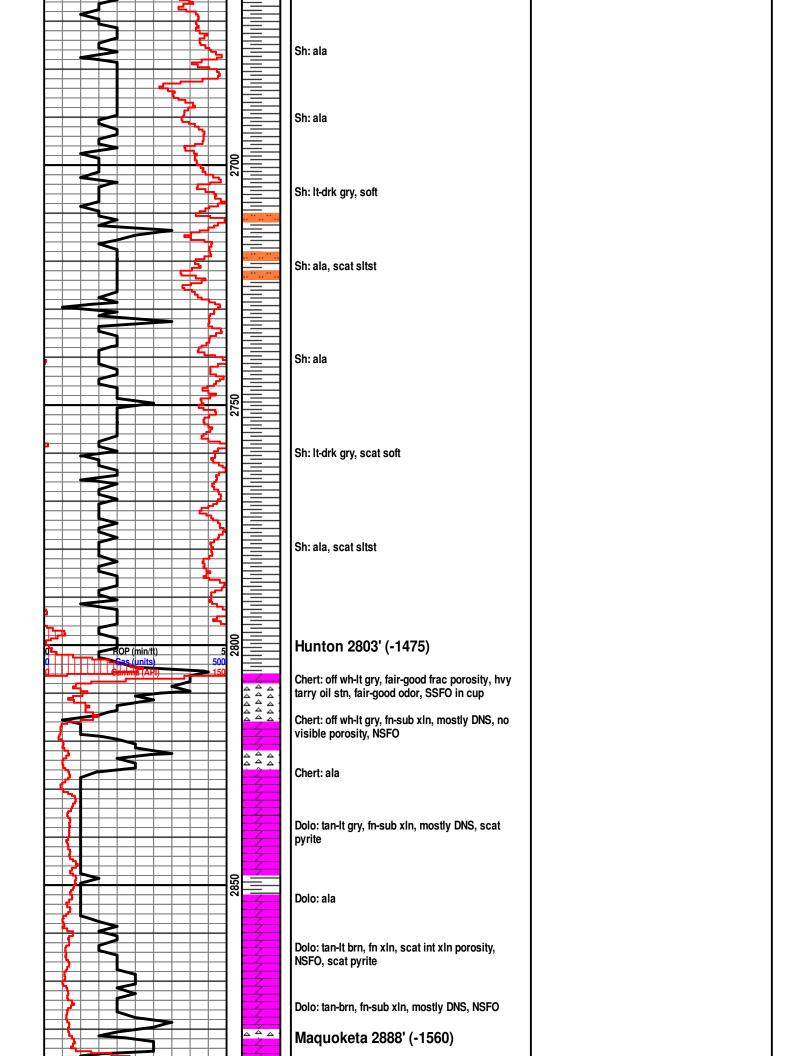
The Preston B #1 well was drilled by Discovery Drilling Rig #2 (Tool Pusher: Terry Wickham).

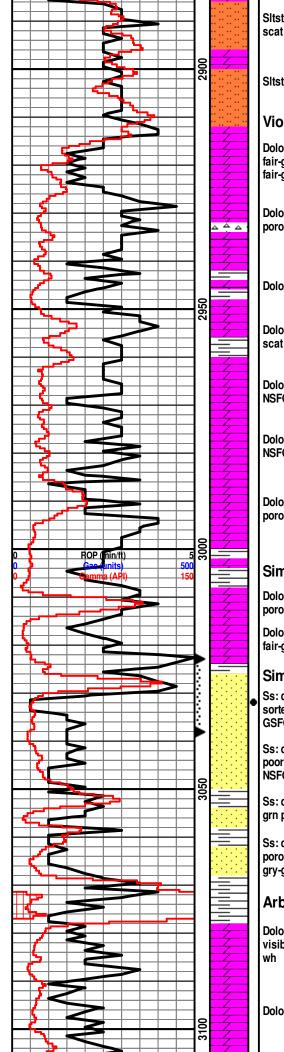
The location for the Preston B #1 was discovered via 3D seismic survey. Rock samples were gathered and evaluated from 2,200' - 3,140'. Oil shows were encountered in Simpson Sand. Structurally, the Mississippian top was picked 21' high to the comparison well, Preston Unit #1-A (John O. Farmer, Inc.). Structural thickening occurred through the lower Miss, which resulted in a Kinderhook picked 19' low to the comparison well. Structure thinned down to the Simpson Sand, which came in 5' low. A bottom-hole test was conducted on the Simpson Sand, which resulted in 1' Heavy Oil & 120' Muddy Water. After evaluation of all oil shows, drill stem test results, & electric logs, it was decided that 5 1/2" production casing be set to further evaluate the Preston B #1 on 6/6/2018. If oil production is unsuccessful, this well will be utilized as a SWD.











Sltst: drk gry, fn grn, no visible porosity, barren, scat sh: drk gry

SItst: ala

Viola 2911' (-1583)

Dolo: off wh-lt gry, fn-md xln, few pcs crs xln, fair-good int xIn porosity, hvy tarry oil, SSFO, fair-good odor

Dolo: off wh-lt gry, fn-md xln, fair-good int xln porosity, mostly barren, NSFO, scat chert-off wh

Dolo: ala

Dolo: off wh-lt gry, fn-crs xIn, mostly DNS, NSFO, scat chert-off wh

Dolo: tan-brn, fn-md xln, porr int xln porosity, NSFO, scat sitst

Dolo: tan-brn, fn-md xln, fair int xln porosity, NSFO, scat chert-off wh

Dolo: off wh-tan-brn, fn-md xln, scat int xln porosity, mostly barren, NSFO, scat sh: drk gry

Simpson Dolomite 3008' (1680)

Dolo: off wh-tan-brn, fn-md xln, fair int xln porosity, scat oil in porosity, fnt odor

Dolo: off wh-tan, fn-md xln, poor int xln porosity, fair-good oil sat, GSFO, strong odor

Simpson Sand 3026' (-1698)

Ss: qtz, off wh, fn-md grn, fairly well rnd, poorly sorted, good int grn porosity, friable good oil sat, GSFO, good odor

Ss: qtz, off wh, vry fn-md grn, fairly well rnd, poorly sorted, fair int grn porosity, mostly barren,

Ss: qtz, off wh, vry fn-md grn, sub ang, poor int grn porosity, NSFO, scat sh: drk gry-grn

Ss: qtz, off wh, fn-md grn, ang, poor int grn porosity, mostly barren, scat pyrite, scat sh: drk gry-grn

Arbuckle 3075' (-1747)

Dolo: off wh-tan-brn, fn xln, mostly DNS, no visible porosity, NSFO, scat pyrite, scat chert-off

Dolo: ala

DST #1 3,023-3,038' Top 12' of Simpson Sand

30"-30"-60"-60" IF: weak blow buil to 2" FF: weak blow built to 3" Rec: 1' Heavy Oil

120' Muddy Water (25% M, 75% W)

121' Total Fluid Recovery

FP: 13-30, 32-67# SIP: 1,022-1,028 HP: 1,481-1,463 BHT: 116*

