KOLAR Document ID: 1670290

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

OPERATOR: License #	API No.:			
Name:	Spot Description:			
Address 1:	SecTwpS. R East West			
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: ()	□NE □NW □SE □SW			
CONTRACTOR: License #	GPS Location: Lat:, Long:			
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)			
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84			
Purchaser:	County:			
Designate Type of Completion:	Lease Name: Well #:			
New Well Re-Entry Workover	Field Name:			
	Producing Formation:			
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Elevation: Ground: Kelly Bushing:			
	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:	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 EOR □ Conv. to SWD □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)			
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls			
Dual Completion 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 Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:			
	1 000000			

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: 1670290

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
. , _			Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sauks Used Type		туре а			
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type Bridge Plug Set At			Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)		Record	
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion				
Operator	Farmer, John O., Inc.				
Well Name	ACHESON 8				
Doc ID	1670290				

Tops

Name	Тор	Datum
Anhydrite	1650'	(+545)
Topeka	3207'	(-1012)
Heebner	3409'	(-1214)
Toronto	3430'	(-1235)
Lansing	3454'	(-1259)
Base/KC	3677'	(-1482)
Arbuckle	3759'	(-1564)
L.T.D.	3841'	(-1646)

Form	ACO1 - Well Completion				
Operator	Farmer, John O., Inc.				
Well Name	ACHESON 8				
Doc ID	1670290				

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	80/20 Pozmix	3% C.C., 2% gel

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 2872

Sec. County On Location Twp. Range State Finish GRaham .30 PM 10 Location PAICO S TO CCRd Well No. Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Charge FARM ER Hole Size T.D. Csa. Depth Street Depth Tbg. Size City State Depth The above was done to satisfaction and supervision of owner agent or contractor. Tool Cement Amount Ordered Cement Left in Csg. Shoe Joint Meas Line Displace **EQUIPMENT** Common 20 Cementer Helper No. Pumptrk Poz. Mix Driver No. Gel. Bulktrk Driver Νo. Driver Bulktrk Calcium Driver **JOB SERVICES & REMARKS** Hulls Remarks: Salt Rat Hole Flowseal Mouse Hole Kol-Seal Centralizers Mud CLR 48 Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Mileage **FLOAT EQUIPMENT** Guide Shoe Centralizer **Baskets** AFU Inserts Float Shoe Latch Down Surface Pumptrk Charge Mileage Tax Thanks Discount X Signature W Total Charge

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

Phone 785-483-1071 Cell 785-324-1041

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

No. 2916

Date \$7-9-00 Sec. 24	1	ange		County	State K5		On Loc	ation	7:	inish 15PM
12			Location	01	-65	to	CC	Rd	· 3	w. K
Lease Helleson	Well N	lo. 🖇		Owner E/	Into					
Contractor Discovery	яц			To Quality Oily You are hereb	vell Cementir	ig, Inc.	ementina e	auinmen	nt and fu	rnich
Type Job Pluy				cementer and	helper to ass	ist owne	r or contra	ctor to d	o work a	ıs listed.
Hole Size 778 "	T.D.			Charge To	1.0.	Fa	[gm >	•		
Csg.	Depth			Street						
Tbg. Size 45" DIP	Depth	3 <i>73</i> 9) ¹	City			State	***************************************		
Tool	Depth			The above was	done to satisfa	ction and	supervision	of owner	r agent o	contractor.
Cement Left in Csg.	Shoe Joint		. 8	Cement Amou		<u> </u>		1/2 (Sell	47 Flosen
Meas Line		to/m	W							
EQUIPM	MENT	·	PURL	Common /	83					
Pumptrk No. Cementer Helper	2019		77777	Poz. Mix	22					
Bulktrk No. Driver Driver	.5			Gel.						
Bulkirk D. No. Driver R. C.	<u> </u>			Calcium			- 113			
JOB SERVICES	& REMARKS			Hulls				· · · · · · · · · · · · · · · · · · ·		
Remarks: 3/34 - 5	505X			Salt						
Rat Hole /675' - 5	05%			Flowseal 757						
Mouse Hole 950 ' - 10	X20			Kol-Seal	***************************************					7015
Centralizers 275' - 5	o 2X			Mud CLR 48						
Baskets 40' - /0 5	× w/ P) was		CFL-117 or CE	D110 CAF 38				<u> </u>	
D/V or Port Collar	2/ 30SX	0		Sand			*****			
Mouse hole	رد کراری			Handling 3/	16.					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
*				Mileage						
	L_0:_	1_			FLOAT EC	UIPMEI	TV			
Cement did	()12	wate)	Guide Shoe	Dru	M	e plus	· ·		
				Centralizer			- 1100	1		
				Baskets						
***************************************				AFU Inserts	J 2.76 = 17	****				
				Float Shoe					 	
				Latch Down						
			·							<u> </u>
					~~~ <u>~</u>					
		WING.		Pumptrk Charg	ne $\sqrt{l}$					
			-7.81	Mileage 4	7 1	1		·············		
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, i	~		Tax		
				11	fanks		Γ	Discount	<u> </u>	
X Signature Ryer Down	<u> </u>	17000		1 1/				Charge	<u> </u>	
							, viai	- Charge		



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

### DRILLER'S LOG

		7407 O-de-atom	Discovery Drilling Co., Inc.	LIC#31548
Operator: John O. Farmer, Inc.			PO Box 763	210#01040
379 West Wichita Aven			Hays, KS 67601	
Russell, KS 67665 + 0	1332		110,00	
Lease: Acheson # 8		Location:	2310 FSL - 1345 FWL	
1000011111			E/2 NE NWSW	
			Section 24/ 10S/ 21W	
			Graham County, KS	material de la comunicación de l
		ΔDI#15-	065-24,219-00-00	
Loggers Total Depth: 3843'	-		2187 GL - 2195 KB	
Rotary Total Depth: 3840'  Commenced: 6/29/2022	-	Completed:		
Casing: 8 5/8" @ 22	23'W/150sks		D & A	
		KCC Contact:	Case Morris	
. 1		Plugging Info		(2nd Plug @ 1675'W/50sks)
			(3rd Plug @ 950'W/100sks	
			5th @ 40'W/10sks)(30sks I Hole)(Total 305sks 60/40P	n Mouse Hole)(15sks In Rat
				(Completed @ 7:15PM 7/9/22
			Quality Oliver Company	
	DEDTUG	. FORMATIONS		
		& FORMATIONS I from KB)		
Surface, Sand & Shale	0'	Shale	1691'	
Dakota Sand	912'	Shale & Lir	ne <u>2306'</u>	
Shale	976'	Shale	2666'	
Cedar Hill Sand	1071'	Shale & Lii	me 3038'	
Red Bed Shale	1318'	Lime & Sh	ale 3414'	
Anhydrite	1647'	RTD	3840'	
Base Anhydrite	1691'			
STATE OF KANSAS))				
) ss COUNTY OF ELLIS )				
Thomas H. Alm of Disco	very Drilling states the and correct log of	nat to the best of his ki	noyledge wet.	
	Ť	homas H. Alm	4	
Subscribed and sworn to before	re me on <u>7-15</u>	- 2022		
My Commission expires:6	-28-2026	<del></del>	0.11	
(Place stamp or seal below)	<u></u>	Notary Public	S. Hoffman	
LARY PUE MYRNAS.	HOFFMAN			



John O Farmer, Inc.

24-10s-21w Graham,KS

370 W Wichita Ave Russell, KS 67665 Acheson #8

Job Ticket: 59521

DST#: 1

ATTN: Austi9n Klaus

Test Start: 2022.07.07 @ 10:30:00

Terrance

### **GENERAL INFORMATION:**

Formation: L/KC I&J

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 12:19:15
Time Test Ended: 16:41:15

Reference Elevations: 2195.00 ft (KB)

Unit No: 66

Tester:

2187.00 ft (CF)

3640.00 ft (KB) (TVD)
7.88 inches Hole Condition: Poor

3598.00 ft (KB) To 3640.00 ft (KB) (TVD)

KB to GR/CF: 8.00 ft

Serial #: 8368

Press@RunDepth:

Inside 46.81 psig @

3599.00 ft (KB)

Capacity:

8000.00 psig

Start Date: 20

2022.07.07

End Date: 2022.07.07

Last Calib.: Time On Btm: 1899.12.30 2022.07.07 @ 12:18:45

Start Time:

Interval:

Total Depth:

Hole Diameter:

10:30:05

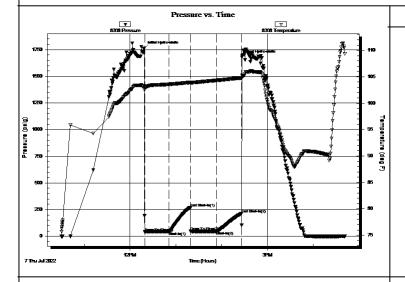
End Time:

16:41:14 Time On Btm: Time Off Btm:

2022.07.07 @ 12.16.43

TEST COMMENT: IF-30-4 Inches died back to surface blow

ISI-30-No return FF-30-No blow FSI-30-No return



### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1762.38	103.24	Initial Hydro-static
1	40.81	102.84	Open To Flow (1)
33	44.47	103.57	Shut-In(1)
61	267.00	103.93	End Shut-In(1)
61	45.91	103.85	Open To Flow (2)
95	46.81	104.31	Shut-In(2)
128	213.71	104.78	End Shut-In(2)
128	1679.65	105.25	Final Hydro-static

### Recovery

Description	Volume (bbl)
osm	0.35
	·

#### Gas Rates

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



John O Farmer, Inc.

24-10s-21w Graham,KS

370 W Wichita Ave Russell, KS 67665 Acheson #8

Tester:

Unit No:

Job Ticket: 59521

DST#: 1

2187.00 ft (CF)

ATTN: Austi9n Klaus

Test Start: 2022.07.07 @ 10:30:00

Terrance

66

### **GENERAL INFORMATION:**

Formation: L/KC I&J

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 12:19:15
Time Test Ended: 16:41:15

Interval: 3598.00 ft (KB) To 3640.00 ft (KB) (TVD) Reference ⊟evations: 2195.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8320 Outside

 Press@RunDepth:
 psig
 @
 3599.00 ft (KB)
 Capacity:
 8000.00 psig

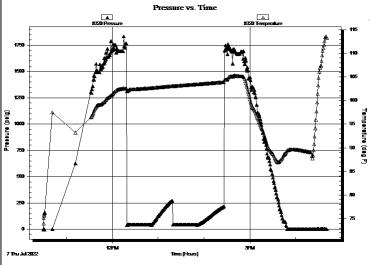
Start Date: 2022.07.07 End Date: 2022.07.07 Last Calib.: 1899.12.30

 Start Time:
 10:30:05
 End Time:
 16:40:59
 Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-4 Inches died back to surface blow

ISI-30-No return FF-30-No blow FSI-30-No return



PRESSURE S	UMMARY
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Ī	Time	Pressure		Annotation
	(Min.)	(psig)	(deg F)	
<b>7</b>				
Temperature (deg F)				
( end				
deg F				
)				

### Recovery

Description	Volume (bbl)
osm	0.35
	·

### Gas Rates

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



**FLUID SUMMARY** 

John O Farmer, Inc.

24-10s-21w Graham,KS

370 W Wichita Ave Russell , KS 67665 Acheson #8

Job Ticket: 59521

Serial #:

DST#:1

ATTN: Austi9n Klaus

Test Start: 2022.07.07 @ 10:30:00

### **Mud and Cushion Information**

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 8.80 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1800.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

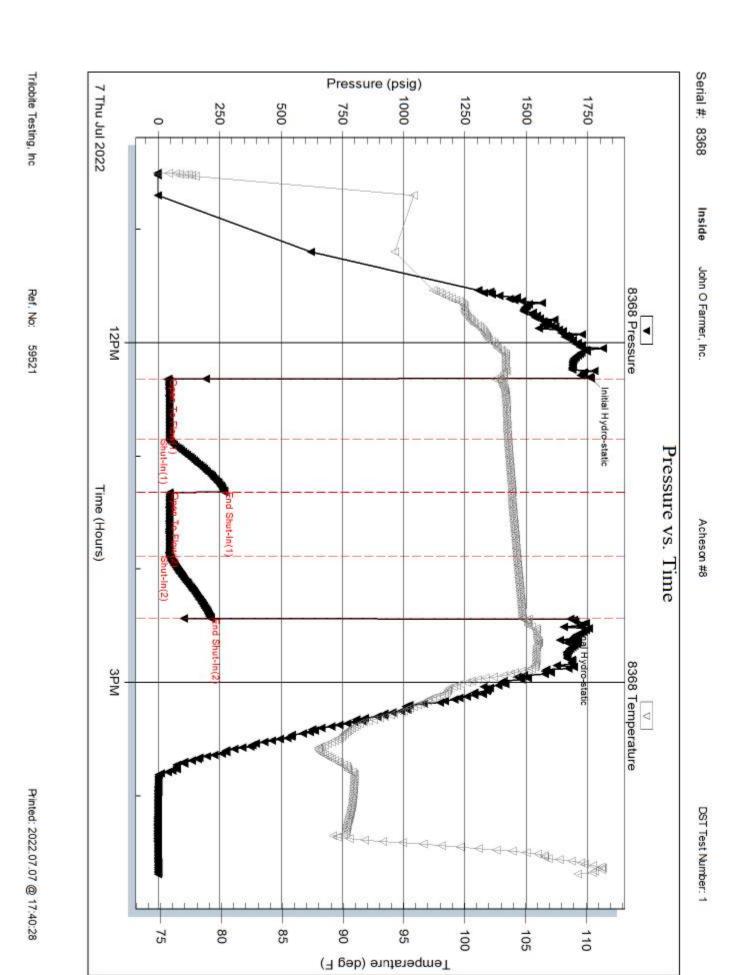
Length ft	Description	Volume bbl
45.00	osm	0.347

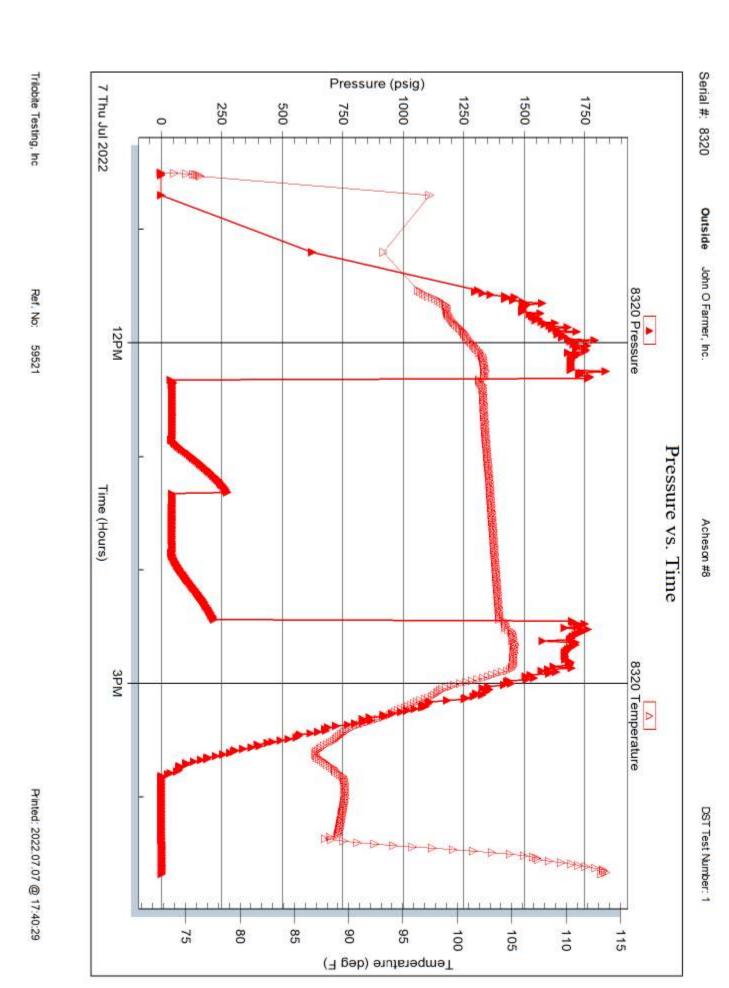
Total Length: 45.00 ft Total Volume: 0.347 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:







John O Farmer, Inc.

24 10 21w

370 W Wichita Ave Russell, KS 67665

ATTN: Austin Klaus

Jolin-Acheson #8

Job Ticket: 59522

Test Start: 2022.07.08 @ 07:00:00

DST#: 2

**GENERAL INFORMATION:** 

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 08:54:00 Tester: Terrance
Time Test Ended: 12:49:15 Unit No: 66

Interval: 3709.00 ft (KB) To 3764.00 ft (KB) (TVD) Reference ⊟evations: 2195.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD) 2187.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8320 Outside

Press@RunDepth: 48.56 psig @ 3710.00 ft (KB) Capacity: 8000.00 psig

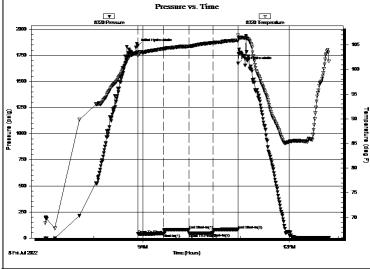
 Start Date:
 2022.07.08
 End Date:
 2022.07.08
 Last Calib.:
 2022.07.08

 Start Time:
 07:00:05
 End Time:
 12:49:14
 Time On Btm:
 2022.07.08 @ 08:53:45

Time Off Btm: 2022.07.08 @ 10:57:15

TEST COMMENT: IF-30-2 1/2 Inches died back to 1 1/2

ISI-30- No return FF-30-Surface blow FSI-30-No return



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1840.27	103.62	Initial Hydro-static		
	1	39.56	102.80	Open To Flow (1)		
	32	42.67	104.23	Shut-In(1)		
	63	81.51	104.72	End Shut-In(1)		
	64	44.31	104.71	Open To Flow (2)		
	93	48.56	105.44	Shut-In(2)		
`	124	83.16	105.88	End Shut-In(2)		
,	124	1670.44	106.97	Final Hydro-static		
	ı					
	i					
	i					
	i					
	ı					
	1					

Gas Rates

### Recovery

Length (ft)	Description	Volume (bbl)		
65.00	osm	0.63		
* Recovery from multiple tests				

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



John O Farmer, Inc.

24 10 21w

370 W Wichita Ave

Jolin-Acheson #8

Russell , KS 67665

Job Ticket: 59522 **DST#: 2** 

ATTN: Austin Klaus Test Start: 2022.07.08 @ 07:00:00

### **GENERAL INFORMATION:**

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 08:54:00 Tester: Terrance
Time Test Ended: 12:49:15 Unit No: 66

Interval: 3709.00 ft (KB) To 3764.00 ft (KB) (TVD) Reference ⊟evations: 2195.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD) 2187.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8368 Inside

 Press@RunDepth:
 psig
 @
 3710.00 ft (KB)
 Capacity:
 8000.00 psig

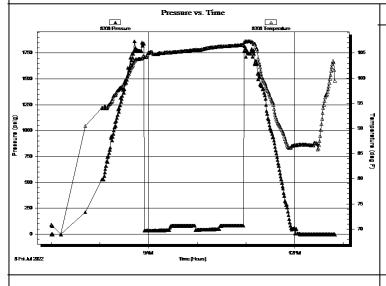
Time

Start Date: 2022.07.08 End Date: 2022.07.08 Last Calib.: 2022.07.08

Start Time: 07:00:05 End Time: 12:49:29 Time On Btm: Time Off Btm:

TEST COMMENT: IF-30-2 1/2 Inches died back to 1 1/2

ISI-30- No return FF-30-Surface blow FSI-30-No return



(Min.)	(psig)	(deg F)	

PRESSURE SUMMARY

Pressure Temp Annotation

### Recovery

Length (ft)	Description	Volume (bbl)		
65.00	osm	0.63		
* Recovery from multiple tests				

# Gas Rates Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d)



**FLUID SUMMARY** 

John O Farmer, Inc.

24 10 21w

370 W Wichita Ave Russell , KS 67665 Jolin-Acheson #8

Job Ticket: 59522

DST#: 2

ATTN: Austin Klaus

Test Start: 2022.07.08 @ 07:00:00

### **Mud and Cushion Information**

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

Viscosity: 53.00 sec/qt Cushion Volume: bbl

8.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1800.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

Water Loss:

### Recovery Table

Length ft	Description	Volume bbl
65.00	osm	0.627

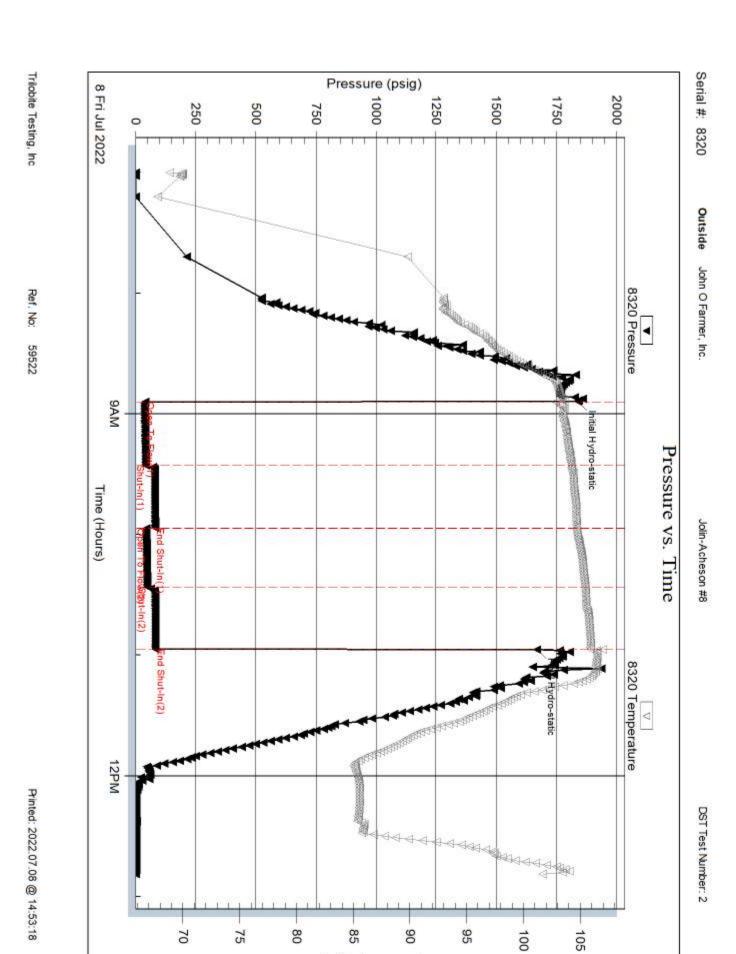
Total Length: 65.00 ft Total Volume: 0.627 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

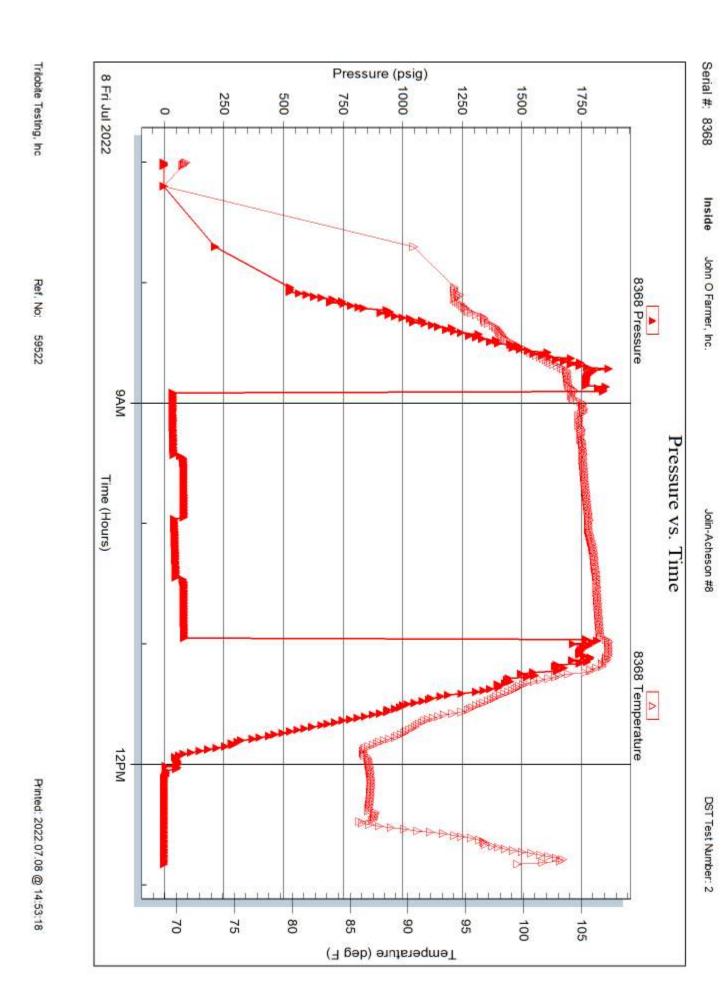
Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #:



Temperature (deg F)





John O Farmer, Inc.

24 10 21w

Tester:

Unit No:

370 W Wichita Ave Russell, KS 67665

ATTN: Austi9n Klaus

Acheson #8

Job Ticket: 59523

DST#: 3

2187.00 ft (CF)

Test Start: 2022.07.09 @ 04:45:00

Terrance

66

Test Type: Conventional Straddle (Reset)

### **GENERAL INFORMATION:**

Formation: Arbuckle

Interval:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:00:15
Time Test Ended: 11:00:30

**3765.00 ft (KB) To 3790.00 ft (KB) (TVD)**Reference Elevations: 2195.00 ft (KB)

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8368 Inside

Press@RunDepth: 239.32 psig @ 3771.00 ft (KB) Capacity: 8000.00 psig

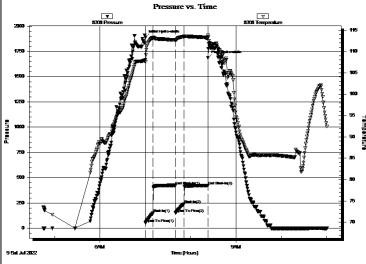
 Start Date:
 2022.07.09
 End Date:
 2022.07.09
 Last Calib.:
 2022.07.09

 Start Time:
 04:45:05
 End Time:
 11:00:29
 Time On Btm:
 2022.07.09 @ 07:00:00

Time Off Btm: 2022.07.09 @ 08:22:45

TEST COMMENT: IF-10- Bob in 5 min

ISI-30-No return FF-10-Bob in 6 min FSI-30-No return



PRESSURE SUMMARY				
Time	Pressure	Temp	Annotation	
(Min.)	(psig)	(deg F)		
0	1886.54	108.05	Initial Hydro-static	
1	52.74	107.59	Open To Flow (1)	
10	147.07	113.18	Shut-In(1)	
40	423.53	112.68	End Shut-In(1)	
40	150.98	112.59	Open To Flow (2)	
51	239.32	113.47	Shut-In(2)	
83	421.72	113.11	End Shut-In(2)	
83	1686.86	113.80	Final Hydro-static	
	(Min.) 0 1 10 40 40 51 83	Time (Min.) Pressure (psig)  0 1886.54  1 52.74  10 147.07  40 423.53  40 150.98  51 239.32  83 421.72	Time (Min.) (psig) (deg F) 0 1886.54 108.05 1 52.74 107.59 10 147.07 113.18 40 423.53 112.68 40 150.98 112.59 51 239.32 113.47 83 421.72 113.11	

### Recovery

Length (ft)	Description	Volume (bbl)			
60.00	10%OIL 40%WATER 50%MUD	0.56			
60.00	20%OIL 50%WATER 30%MUD	0.84			
120.00	10% OIL 40%WATER 50%MUD	1.67			
310.00	100%WATER	4.33			
* Recovery from multiple tests					

Gas Rat	es	
Choke (inches)	Proceuro (peig)	Gas Pate (Mcf/d)



John O Farmer, Inc.

24 10 21w

370 W Wichita Ave Russell, KS 67665 Acheson #8

ATTN: Austi9n Klaus

Job Ticket: 59523 **DST#: 3** 

Test Start: 2022.07.09 @ 04:45:00

Terrance

2195.00 ft (KB)

Reference ⊟evations:

### **GENERAL INFORMATION:**

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)

Time Tool Opened: 07:00:15 Tester: Ter
Time Test Ended: 11:00:30 Unit No: 66

Interval: 3765.00 ft (KB) To 3790.00 ft (KB) (TVD)

Total Depth: 3640.00 ft (KB) (TVD) 2187.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8320 Outside

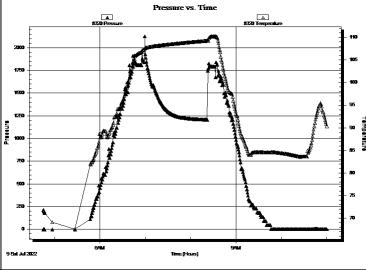
 Press@RunDepth:
 psig
 @
 3771.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2022.07.09 End Date: 2022.07.09 Last Calib.: 1899.12.30

Start Time: 04:45:05 End Time: 11:00:14 Time On Btm: Time Off Btm:

TEST COMMENT: IF-10- Bob in 5 min

ISI-30-No return FF-10-Bob in 6 min FSI-30-No return



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		• •		00.0
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Temperature				
Tagura Tagura				
_				

### Recovery

Length (ft)	Description	Volume (bbl)		
60.00	10%OIL 40%WATER 50%MUD	0.56		
60.00	20%OIL 50%WATER 30%MUD	0.84		
120.00	10% OIL 40%WATER 50%MUD	1.67		
310.00	100%WATER	4.33		
* Recovery from multiple tests				

### Gas Rates

Choke	(inches) Pressure	(psig) Gas R	Rate (Mcf/d)
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John O Farmer, Inc.

24 10 21w

Tester:

Unit No:

370 W Wichita Ave Russell, KS 67665 Acheson #8

Job Ticket: 59523

DST#: 3

ATTN: Austi9n Klaus

Test Start: 2022.07.09 @ 04:45:00

Terrance

66

### **GENERAL INFORMATION:**

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)

Time Tool Opened: 07:00:15
Time Test Ended: 11:00:30

Interval: 3765.00 ft (KB) To 3790.00 ft (KB) (TVD)

Total Depth: 3640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Bevations: 2195.00 ft (KB)

 $2187.00 \;\; \text{ft (CF)}$  KB to GR/CF:  $8.00 \;\; \text{ft}$ 

Serial #: 8957

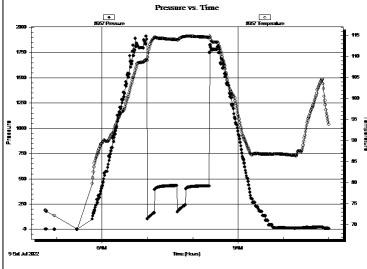
 $\label{eq:press} \text{Press} @ \text{RunDepth:} \qquad \qquad \text{psig} \ \ @ \qquad \qquad \text{ft (KB)} \qquad \qquad \text{Capacity:} \qquad \qquad 8000.00 \ \text{psig}$ 

Start Date: 2022.07.09 End Date: 2022.07.09 Last Calib.: 2022.07.09

Start Time: 04:45:01 End Time: 11:00:00 Time On Btm: Time Off Btm:

TEST COMMENT: IF-10- Bob in 5 min

ISI-30-No return FF-10-Bob in 6 min FSI-30-No return



PRESSURE SUMMARY
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. ]	Time	Pressure	Temp	Annotation
. I	(Min.)	(psig)	(deg F)	
۱ ۱				
'				
l				
Temperature				

### Recovery

Length (ft)	Description	Volume (bbl)	
60.00	10%OIL 40%WATER 50%MUD	0.56	
60.00	20%OIL 50%WATER 30%MUD	0.84	
120.00	10% OIL 40%WATER 50%MUD	1.67	
310.00	100%WATER	4.33	
* Recovery from multiple tests			

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**FLUID SUMMARY** 

John O Farmer, Inc.

24 10 21w

370 W Wichita Ave Russell , KS 67665 Acheson #8

Job Ticket: 59523

DST#: 3

ATTN: Austi9n Klaus

Test Start: 2022.07.09 @ 04:45:00

### **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: 30000 ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 8.80 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1800.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

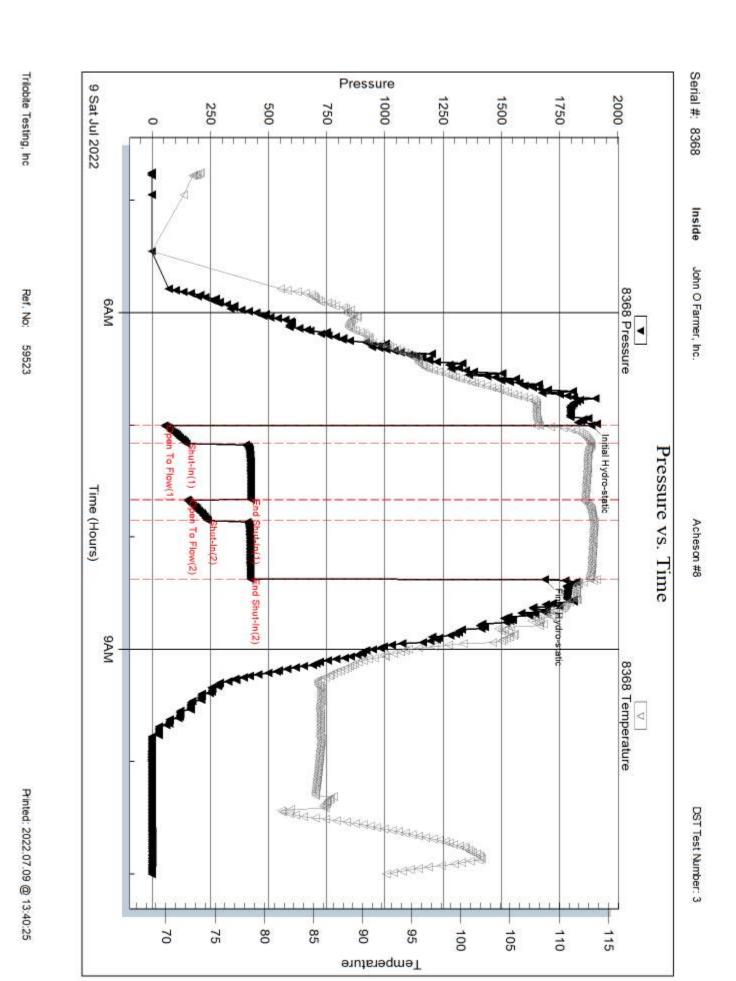
Length ft	Description	Volume bbl
60.00	10%OIL 40%WATER 50%MUD	0.557
60.00	20%OIL 50%WATER 30%MUD	0.837
120.00	10% OIL 40%WATER 50%MUD	1.674
310.00	100%WATER	4.326

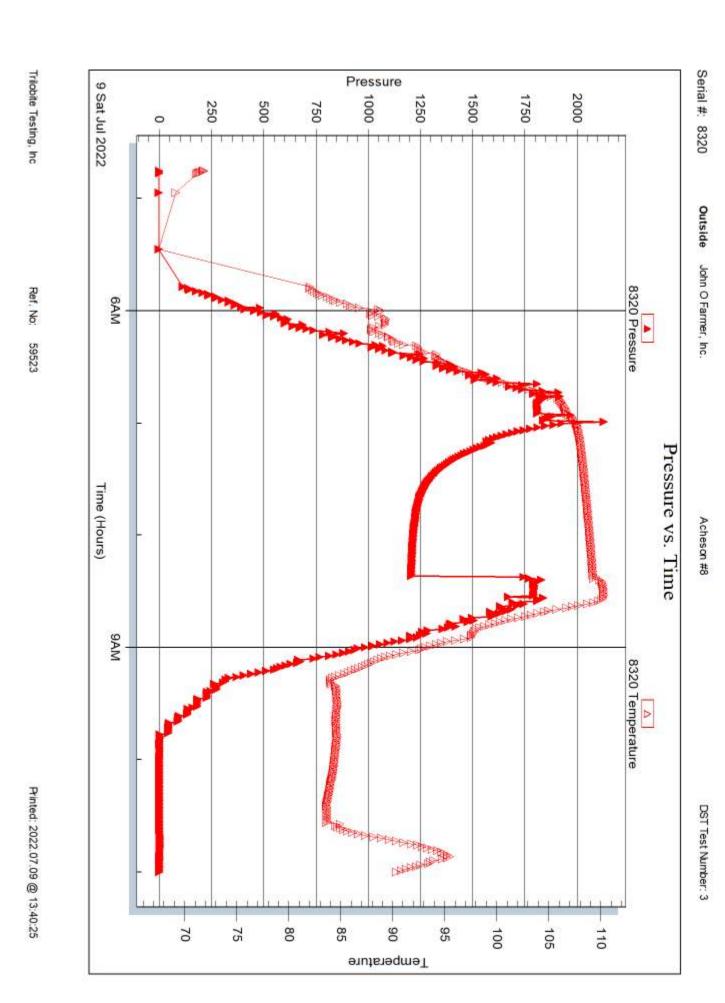
Total Length: 550.00 ft Total Volume: 7.394 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





Temperature



# FARMER 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: Jolen-Acheson #8

API: 15-065-24219-0000 **Location: Graham County** 

**License Number:** 

Region: Kansas Spud Date: 6/29/2022 Drilling Completed: 7/8/2022

Surface Coordinates: Section 24 - Township 10 South - Range 21 West

2,310' FSL & 1,295' FWL

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

Coordinates:

Ground Elevation (ft): 2,187' K.B. Elevation (ft): 2,195' To: RTD Logged Interval (ft): 3,100 Total Depth (ft): 3,840

Formation: LKC-Arbuckle

Type of Drilling Fluid: Chemical (Andy's Mud & Chemical Co.)

Printed by StripLog 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 Jolen-Acheson #8 well was drilled by Discovery Drilling Rig #4 (Tool Pusher: Ryan Gaschler).

The location for the Jolen-Acheson #8 was discovered via 3D seismic survey. Drill time was recorded, and rock samples were gathered and evaluated from 3,150' - 3,840'. Oil shows were encountered in the Lansing I, J, K, and Arbuckle. Structurally, the Lansing top was picked 5' low to the comparison well, Acheson #3 (SW-NE-SW). Structure thickened and the Arbuckle top was picked 8' low to the comparison well. A bottom-hole drill stem test was conducted over the Lansing I - J zones, yielding 45' Oil Spotted Mud. A second bottom-hole test was conducted over the Arbuckle 'A' section, which recovered 65' Oil Spotted Mud. Upon completion of the electric logs, a straddle test was run to evaluate the Arbuckle 'B' & 'C' sections. This test recovered 550' total fluid (see complete results below). After comprehensive evaluation of all oil shows, drill stem test results, & electric logs, the decision was made to plug and abandon the Jolen-Acheson #8 on 7/9/2022.

