

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 DARRAH OIL
 C/O JOHN JAY DARRAH JR
 PO BOX 2786
 WICHITA, KS 67201-2786

Invoice Date: 11/4/2025
 Invoice #: 0387283
 Lease Name: Sangster UP Unit
 Well #: 1-13 (New)
 County: Logan, Ks
 Job Number: WP6690
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	175.000	20.250	3,543.75
Light Eq Mileage	33.000	1.800	59.40
Heavy Eq Mileage	66.000	3.600	237.60
Ton Mileage	272.000	1.350	367.20
Depth Charge 0'-500'	1.000	900.000	900.00
Cement Data Acquisition	1.000	225.000	225.00
Cement Blending & Mixing	175.000	1.260	220.50
Service Supervisor	1.000	247.500	247.50

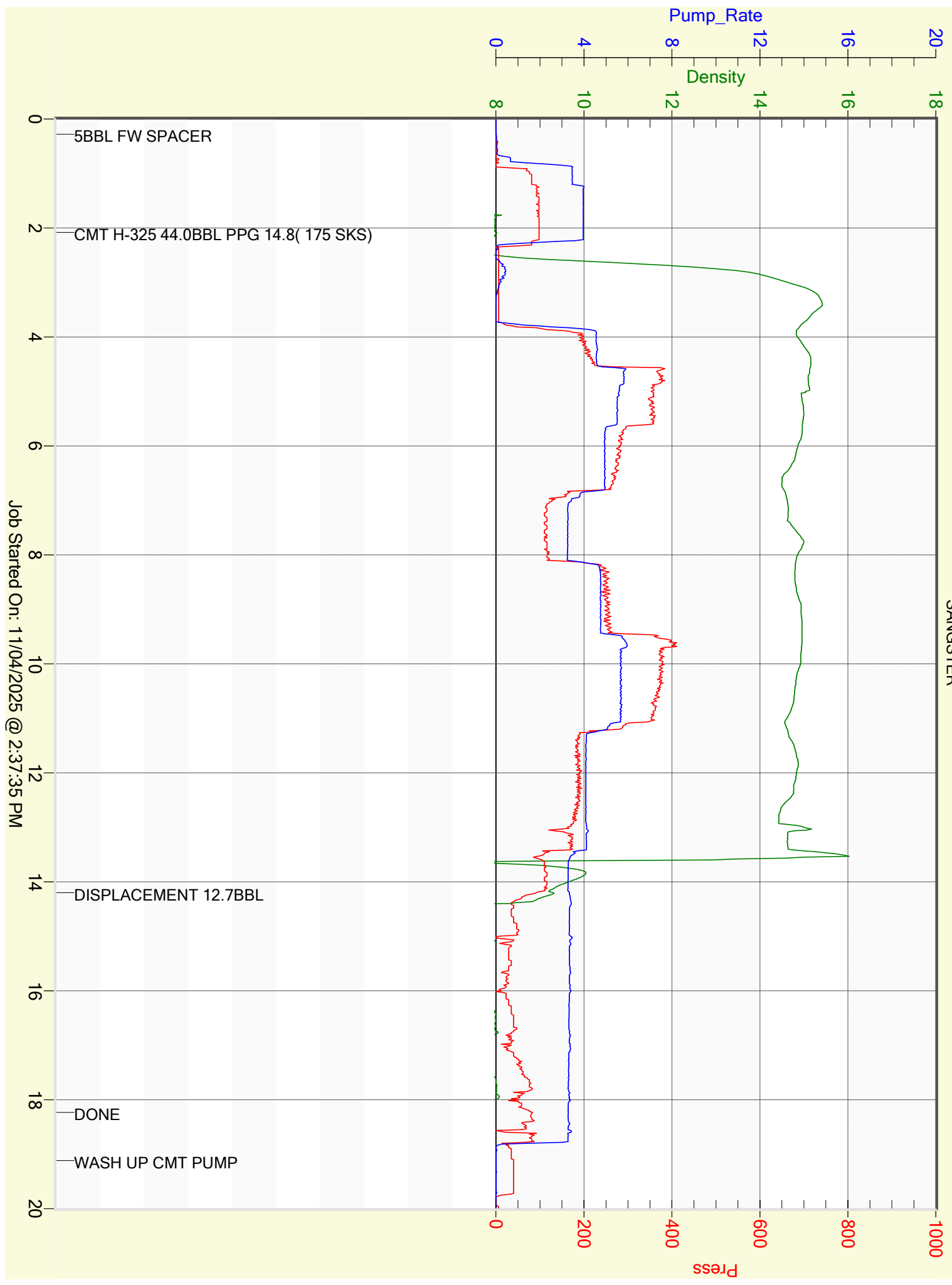
Total 5,800.95

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

DARRAH OIL CO
SANGSTER



Job Started On: 11/04/2025 @ 2:37:35 PM



Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 DARRAH OIL
 C/O JOHN JAY DARRAH JR
 PO BOX 2786
 WICHITA, KS 67201-2786

Invoice Date: 11/11/2025
 Invoice #: 0387346
 Lease Name: Sangster UP Unit
 Well #: 1-13
 County: Logan, Ks
 Job Number: WP6703
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Plug to Abandon	0.000	0.000	0.00
H-Plug	240.000	14.400	3,456.00
Wooden plug 8 5/8"	1.000	135.000	135.00
Light Eq Mileage	33.000	1.800	59.40
Heavy Eq Mileage	66.000	3.600	237.60
Ton Mileage	342.000	1.350	461.70
Depth Charge 3001'-4000'	1.000	2,025.000	2,025.00
Cement Blending & Mixing	240.000	1.260	302.40
Service Supervisor	1.000	247.500	247.50

Net Invoice 6,924.60
 Sales Tax: 442.08
Total 7,366.68

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



CEMENT TREATMENT REPORT

Customer: Darrah Oil Co	Well: Sangster UP Unit 1-13	Ticket: WP 6703
City, State:	County: Logan, KS	Date: 11/11/2025
Field Rep:	S-T-R: 13-14S-34W	Service: PTA

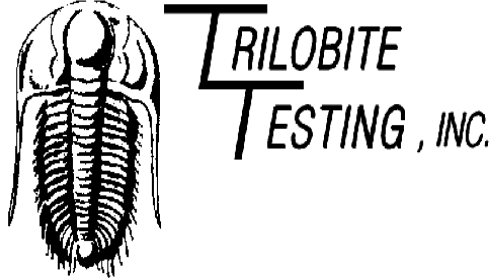
Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4680 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	60.7 bbls
Total Sacks:	240 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
1200pm			-	-	Arrive On Location
1220pm				-	Safety Meeting
1230pm				-	Rig Up
				-	Pipe At 2450'
1258pm	4.5	130.0	15.0	15.0	H2O Ahead
105pm	3.0	120.0	12.6	27.6	Cement Slurry 50sks H-Plug 13.8ppg
110pm	3.5	20.0	5.0	32.6	Displace 5bbls Water and 21bbls Mud
				32.6	Pipe at 1375'
159pm	4.0	110.0	15.0	47.6	H2O Ahead
203pm	3.5	120.0	25.2	72.8	Cement Slurry 100sks H-Plug 13.8ppg
213pm	2.3	20.0	10.0	82.8	Displace
					Pipe At 275'
303pm	4.0	70.0	15.0		H2O Ahead
308pm	3.5	30.0	12.6		Cement Slurry 50sks H-Plug 13.8ppg
312pm	3.0	20.0	1.0		Displace
					Pipe at 40' Top Out With Wooden Plug
357pm	2.5	50.0	2.5		Cement Slurry 10sks H-Plug 13.8ppg
400pm					Plug Down
					Rat Hole
401pm	2.5	40.0	7.5		Cement Slurry 30sks H-Plug 13.8ppg
410pm					Wash Up
425pm					Rig Down
445pm					Leave Location

CREW		UNIT	Average		
Cementer:	Spencer	958	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Cory	205	3.3 bpm	66 psi	121 bbls
Bulk #1:	Kale	242			
Bulk #2:					



DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company LLC**

P.O. Box 2786
Wichita, KS 67201

ATTN: Saman Sharifaie

13-14S-34W Logan,KS

Sangster-UP Unit #1-13

Start Date: 2025.11.08 @ 22:31:00

End Date: 2025.11.09 @ 05:16:30

Job Ticket #: 72826 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.11.11 @ 11:18:20

Darrah Oil Company LLC

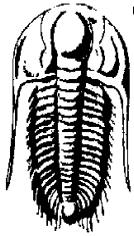
Sangster-UP Unit #1-13

13-14S-34W Logan,KS

DST # 1

Marmaton-Altamont

2025.11.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah Oil Company LLC

Sangster-UP Unit #1-13

P.O. Box 2786
Wichita, KS 67201

13-14S-34W Logan,KS

ATTN: Saman Sharifaie

Job Ticket: 72826

DST#: 1

Test Start: 2025.11.08 @ 22:31:00

GENERAL INFORMATION:

Formation: **Marmaton-Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:25:45

Time Test Ended: 05:16:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Nathan Aneas

Unit No: 71

Interval: 4226.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 3015.00 ft (KB)

Total Depth: 4370.00 ft (KB) (TVD)

3010.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 117.05 psig @ 4227.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2025.11.08 End Date: 2025.11.09

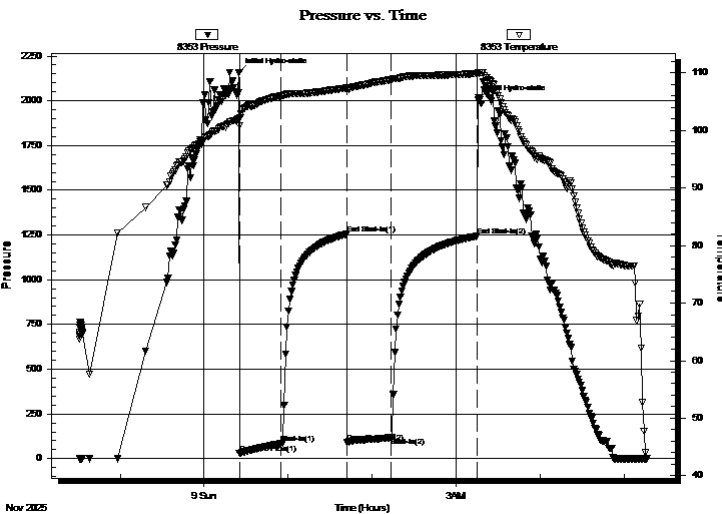
Last Calib.: 2025.11.09

Start Time: 22:31:01 End Time: 05:16:30

Time On Btm: 2025.11.09 @ 00:25:00

Time Off Btm: 2025.11.09 @ 03:15:45

TEST COMMENT: 30:IF- Weak surface blow , built to 1 1/2" in 5 min, final is 3 3/4"
45:IS- No blow back
30:FF- Weak surface blow , built to 3/4" in 5 min, final is 2 3/4"
60:FS- No blow back



PRESSURE SUMMARY

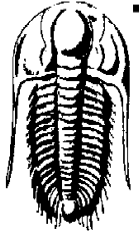
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.62	101.99	Initial Hydro-static
1	28.83	102.24	Open To Flow (1)
30	84.18	105.93	Shut-In(1)
77	1255.20	107.32	End Shut-In(1)
78	91.41	107.02	Open To Flow (2)
109	117.05	108.80	Shut-In(2)
170	1243.19	109.83	End Shut-In(2)
171	2006.73	109.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	SOMCW 50%W 45%M 5%O	0.86
10.00	SGOMCW 60%W 30%M 5%G 5%O	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company LLC

Sangster-UP Unit #1-13

P.O. Box 2786
Wichita, KS 67201

13-14S-34W Logan,KS

ATTN: Saman Sharifaie

Job Ticket: 72826 **DST#: 1**

Test Start: 2025.11.08 @ 22:31:00

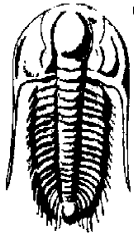
Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 175.00 ft	Diameter: 2.25 inches	Volume: 0.86 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.61 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4226.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	144.00 ft			
Tool Length:	177.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4194.00	
Shut In Tool	5.00			4199.00	
Hydraulic tool	5.00			4204.00	
Jars	5.00			4209.00	
EM Tool	4.00			4213.00	
Safety Joint	3.00			4216.00	
Packer	5.00			4221.00	33.00 Bottom Of Top Packer
Packer	5.00			4226.00	
Stubb	1.00			4227.00	
Recorder	0.00	8353	Inside	4227.00	
Recorder	0.00	8676	Outside	4227.00	
Change Over Sub	1.00			4228.00	
Blank Spacing	126.00			4354.00	
Change Over Sub	1.00			4355.00	
Perforations	12.00			4367.00	
Bullnose	3.00			4370.00	144.00 Bottom Packers & Anchor
Total Tool Length:	177.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company LLC

Sangster-UP Unit #1-13

P.O. Box 2786
Wichita, KS 67201

13-14S-34W Logan,KS

Job Ticket: 72826 **DST#: 1**

ATTN: Saman Sharifaie

Test Start: 2025.11.08 @ 22:31:00

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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
175.00	SOMCW 50%W 45%M 5%O	0.861
10.00	SGOMCW 60%W 30%M 5%G 5%O	0.140

Total Length: 185.00 ft Total Volume: 1.001 bbf

Num Fluid Samples: 0

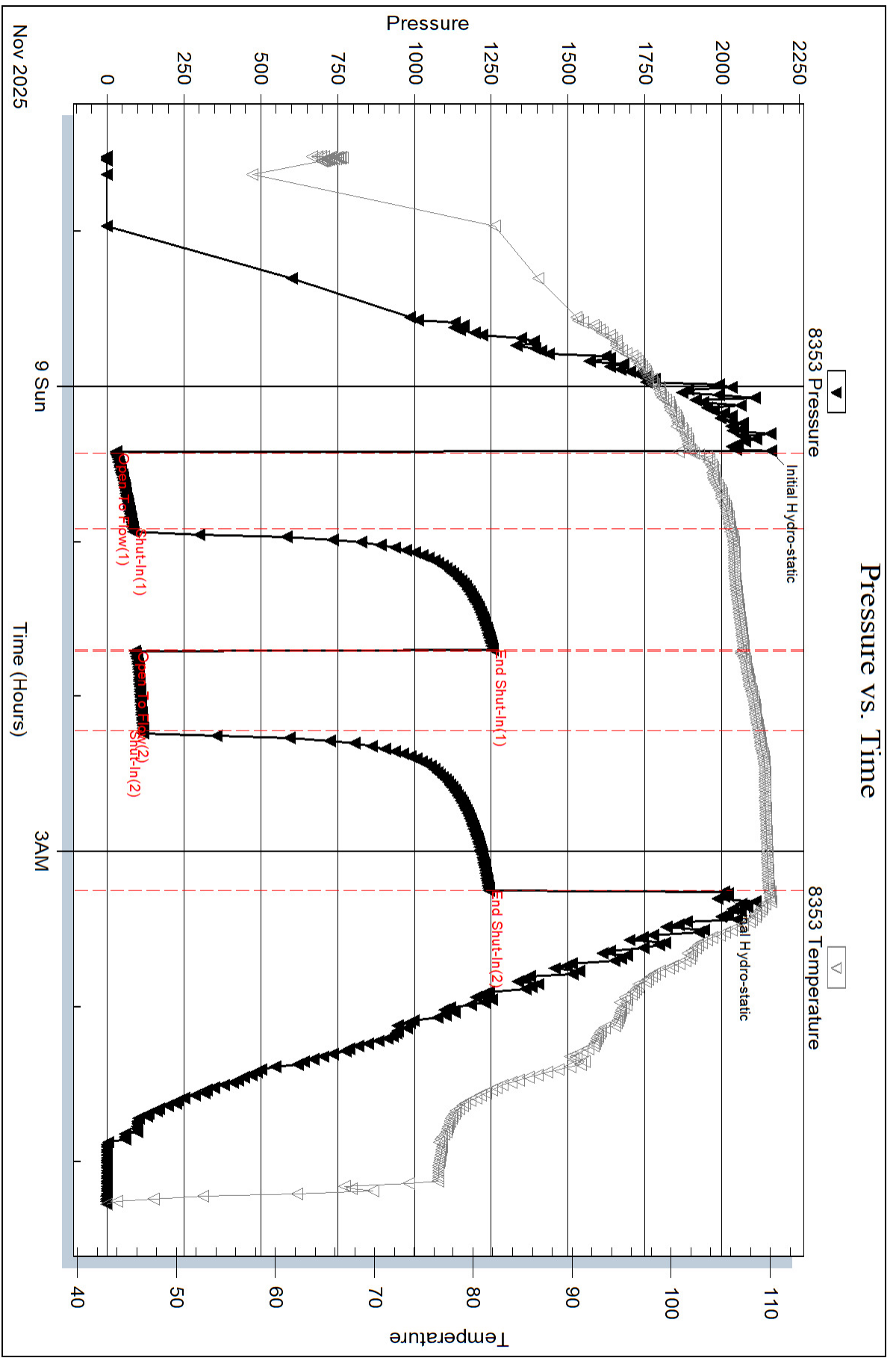
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

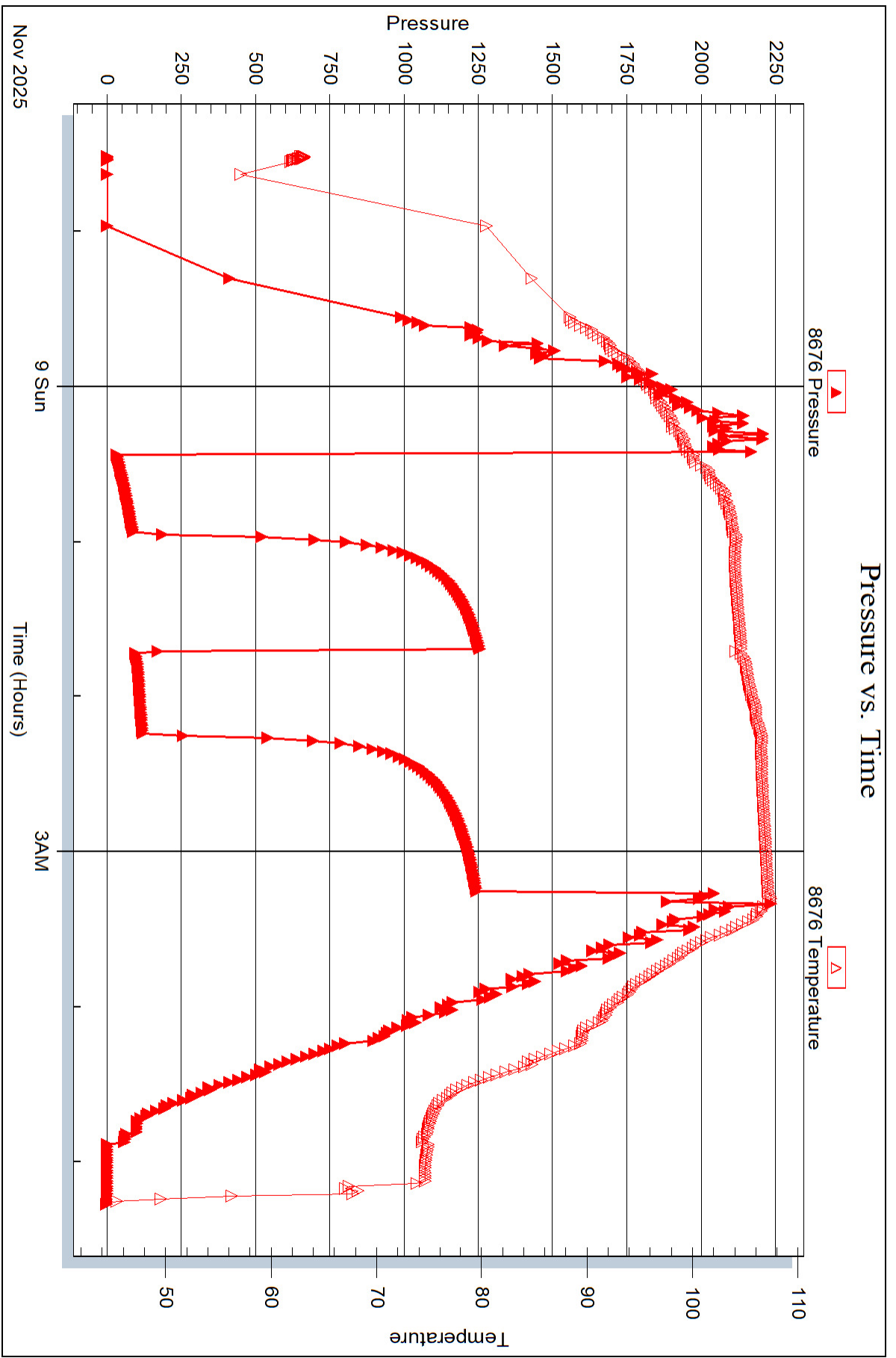


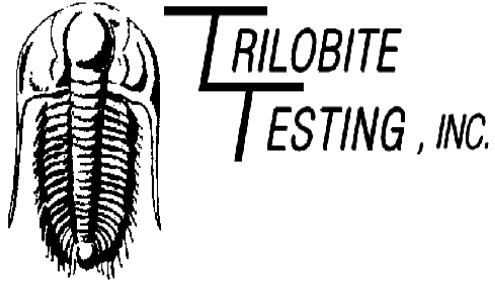
Serial #: 8676

Outside Darrah Oil Company LLC

13-14S-34W Logan, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Darrah Oil Company LLC**

P.O. Box 2786
Wichita, KS 67201

ATTN: Saman Sharifaie

13-14S-34W Logan,KS

Sangster-UP Unit #1-13

Start Date: 2025.11.10 @ 02:10:00

End Date: 2025.11.10 @ 07:15:00

Job Ticket #: 72827 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2025.11.11 @ 11:17:37

Darrah Oil Company LLC

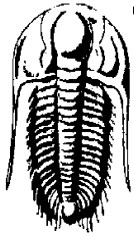
Sangster-UP Unit #1-13

13-14S-34W Logan,KS

DST # 2

Myrick-Johnson

2025.11.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah Oil Company LLC

Sangster-UP Unit #1-13

P.O. Box 2786
Wichita, KS 67201

13-14S-34W Logan,KS

ATTN: Saman Sharifaie

Job Ticket: 72827

DST#: 2

Test Start: 2025.11.10 @ 02:10:00

GENERAL INFORMATION:

Formation: **Myrick-Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:45

Time Test Ended: 07:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Nathan Aneas

Unit No: 71

Interval: 4400.00 ft (KB) To 4520.00 ft (KB) (TVD)

Total Depth: 4520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3015.00 ft (KB)

3010.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 28.62 psig @ 4401.00 ft (KB)

Start Date: 2025.11.10

End Date: 2025.11.10

Start Time: 02:10:01

End Time: 07:15:00

Capacity: 8000.00 psig

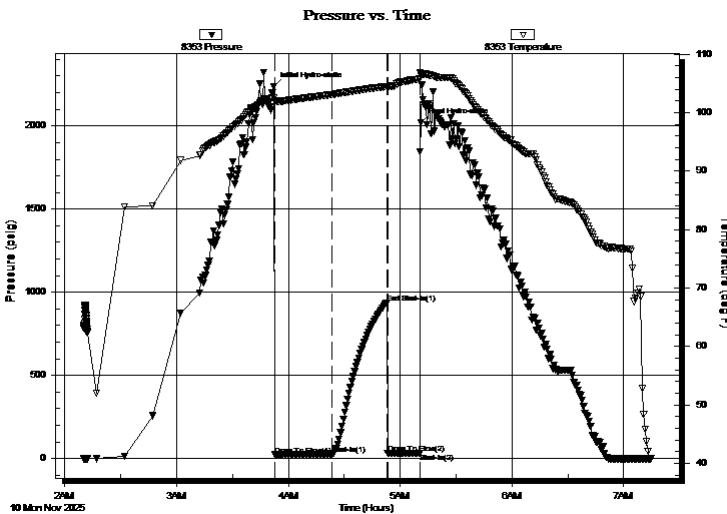
Last Calib.: 2025.11.10

Time On Btm: 2025.11.10 @ 03:52:15

Time Off Btm: 2025.11.10 @ 05:11:00

TEST COMMENT: 30:IF- Weak surface blow , built to 1" in diesel in 5 min, final is 1"
30:IS- No blow back
15:FF- Weak surface blow in 5 min (pulled test)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.56	102.49	Initial Hydro-static
1	22.37	102.02	Open To Flow (1)
32	28.62	103.13	Shut-In(1)
61	937.04	104.51	End Shut-In(1)
61	30.88	104.38	Open To Flow (2)
79	33.13	105.86	Shut-In(2)
79	2020.06	106.33	Final Hydro-static

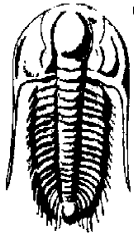
Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w /spots of oil 100%M	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah Oil Company LLC

Sangster-UP Unit #1-13

P.O. Box 2786
Wichita, KS 67201

13-14S-34W Logan,KS

ATTN: Saman Sharifaie

Job Ticket: 72827

DST#: 2

Test Start: 2025.11.10 @ 02:10:00

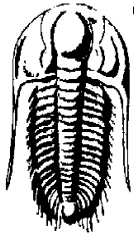
Tool Information

Drill Pipe:	Length: 4208.00 ft	Diameter: 3.80 inches	Volume: 59.03 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 175.00 ft	Diameter: 2.25 inches	Volume: 0.86 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.89 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4400.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	120.00 ft			
Tool Length:	153.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4368.00	
Shut In Tool	5.00			4373.00	
Hydraulic tool	5.00			4378.00	
Jars	5.00			4383.00	
EM Tool	4.00			4387.00	
Safety Joint	3.00			4390.00	
Packer	5.00			4395.00	33.00 Bottom Of Top Packer
Packer	5.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	8353	Inside	4401.00	
Recorder	0.00	8676	Outside	4401.00	
Change Over Sub	1.00			4402.00	
Blank Spacing	94.00			4496.00	
Change Over Sub	1.00			4497.00	
Perforations	20.00			4517.00	
Bullnose	3.00			4520.00	120.00 Bottom Packers & Anchor
Total Tool Length:	153.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company LLC

Sangster-UP Unit #1-13

P.O. Box 2786
Wichita, KS 67201

13-14S-34W Logan,KS

Job Ticket: 72827

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2025.11.10 @ 02:10:00

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:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	Mud w /spots of oil 100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8353

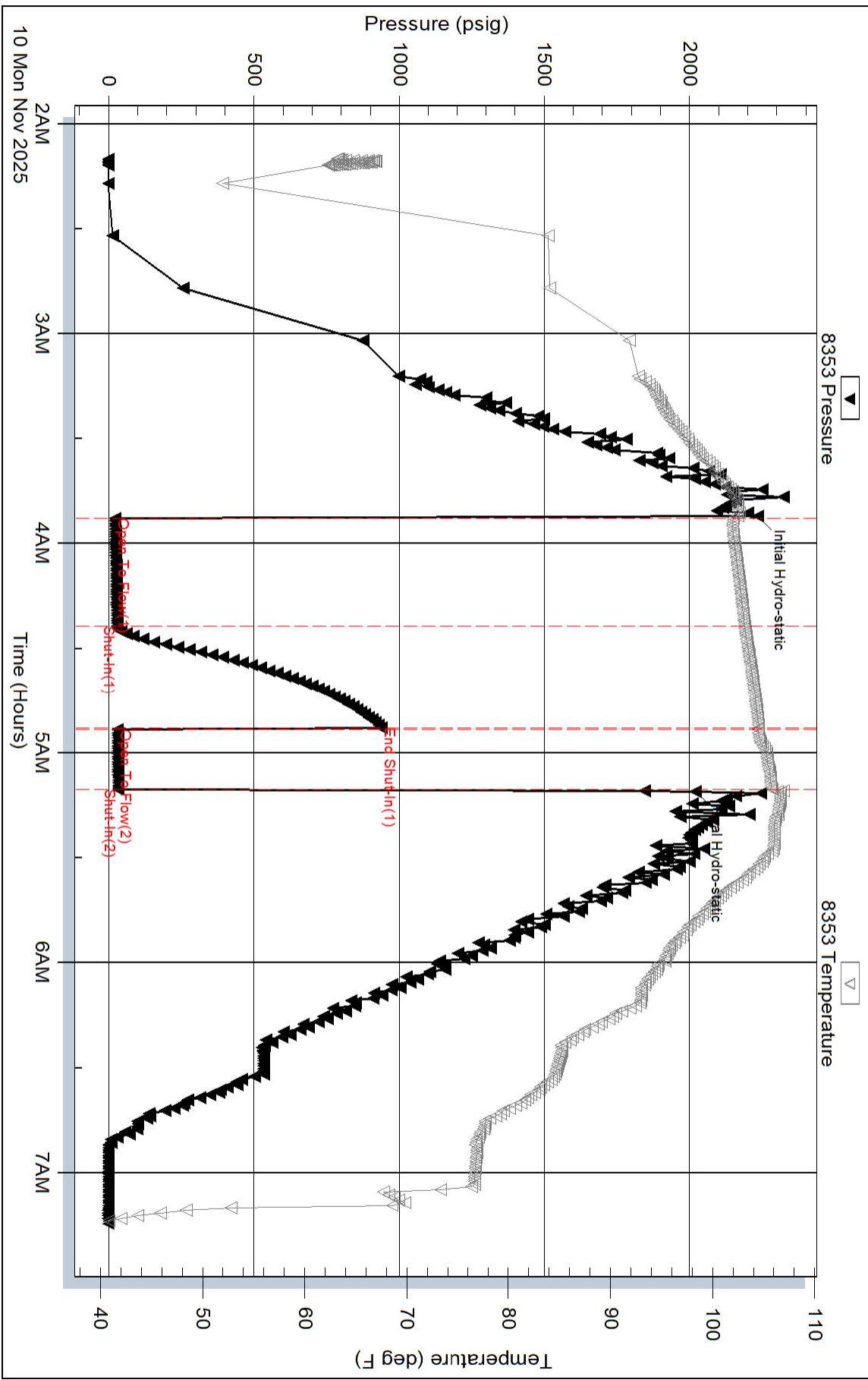
Inside

Darrah Oil Company LLC

13-14S-34W Logan, KS

DST Test Number: 2

Pressure vs. Time

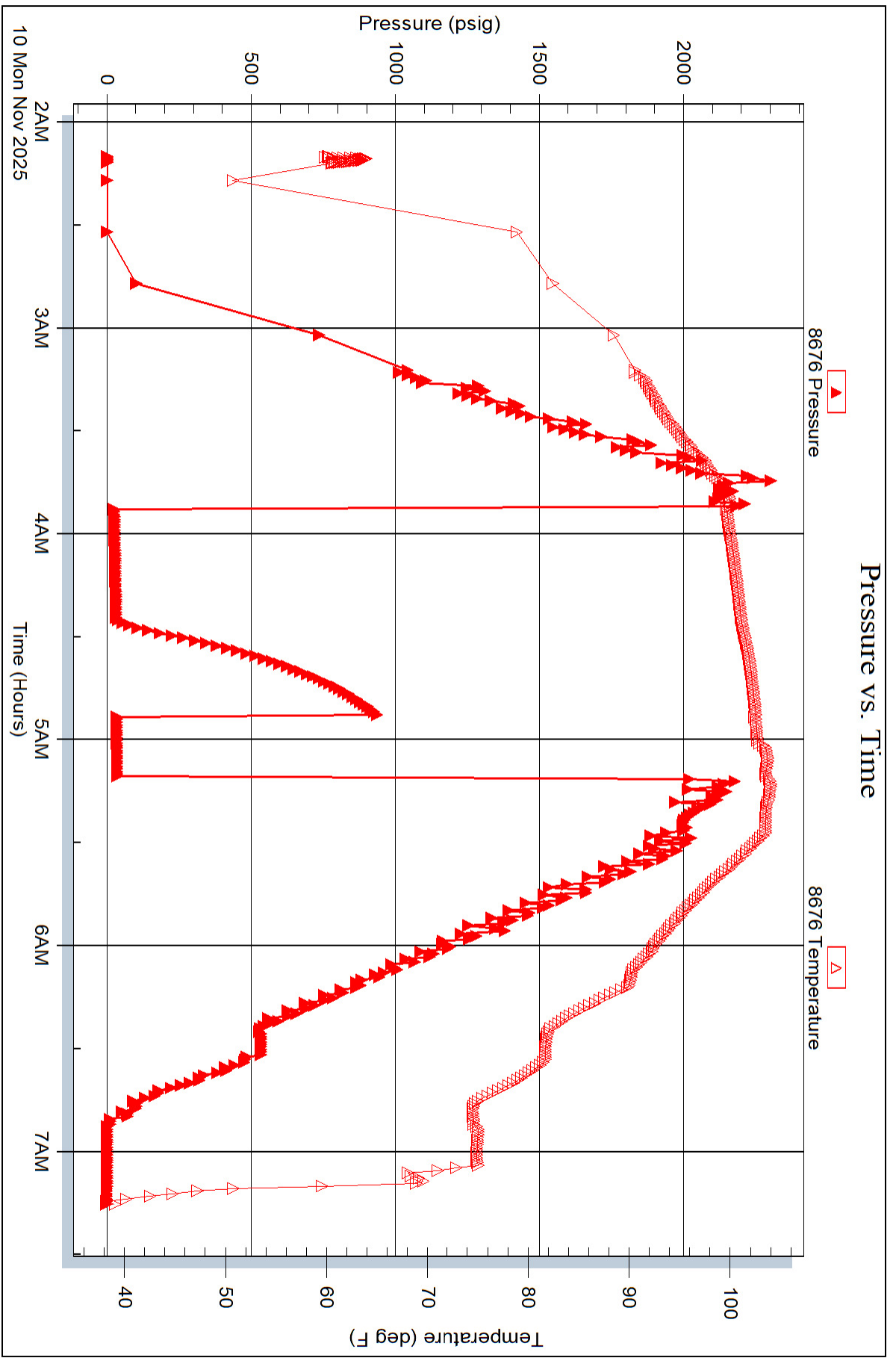


Serial #: 8676

Outside Darrah Oil Company LLC

13-14S-34W Logan, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 72827

Printed: 2025.11.11 @ 11:17:38



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **72826**

Well Name & No. Sungster-UP unit Test No. 1 Date 11/08/25
 Company Darrah Oil Company LLC Elevation 3005 KB 3010 GL
 Address P.O. Box 2786 Wichita, KS 67201
 Co. Rep / Geo Saman Sharifare Rig Murfin #110
 Location: Sec. 13 Twp 14S Rge. 34W Co. Logan State KS

Interval Tested 4226-4370 Zone Tested Marmaton-Altament
 Anchor Length 144' Drill Pipe Run 4046 Mud Wt. 9.2
 Top Packer Depth 4221 Drill Collars Run 175 Vis SS
 Bottom Packer Depth 4226 Wt. Pipe Run _____ WL _____
 Total Depth 4370 Chlorides _____ ppm System LCM _____

Blow Description IF Weak surface blow, built to 1/2" in 5 min, Final 3 3/4"

IST - No blow back

FR Weak surface blow, built to 3/4" in 5 min, Final is 2 3/4"

EST - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>175</u>	<u>50MCW</u>	<u>5</u>	<u>5</u>	<u>90</u>	<u>45</u>
<u>10</u>	<u>50MCW</u>	<u>5</u>	<u>5</u>	<u>60</u>	<u>30</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 185 BHT 109' Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

Initial Hydrostatic 2159 Test 1950 Ruined Shale Packer _____

Initial Flow 29 to 84 Jars 300 Ruined Packer _____

Initial Shut-In 1255 Circ Sub _____ Hotel _____

Final Flow 91 to 117 Hourly Standby _____ EM Tool Successful _____

Final Shut-In 1243 Mileage 182 RT 72rt 126 Accessibility _____

Final Hydrostatic 2007 Sampler _____ Gas Sample _____

Initial Flow 30 T-On Location 17:25 Straddle _____ Oversized Hole _____

Initial Shut-In 45 T-Started 22:31 Shale Packer _____ Sub Total 0

Final Flow 30 T-Open 00:25 Extra Packer _____ Total 2376

Final Shut-In 60 T-Pulled 03: Extra Recorder _____ Tool Loaded _____ @ _____

Final Shut-In 60 T-Out 05:17 Day Standby _____ MP/DST Disc't _____

Comments Having battery issues with my flow sensor

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **72827**

Well Name & No. Sangster-UP unit Test No. 2 Date 11/10/25
 Company Dannah Oil Company LLC Elevation 3015 KB 3010 GL
 Address P.O. Box 2786 Wichita, KS 67201
 Co. Rep / Geo Saman Sharifaie Rig Murfin #110
 Location: Sec. 13 Twp 14S Rge. 34 W Co. Logan State KS

Interval Tested 4400-4520 Zone Tested Myrick - Johnson
 Anchor Length 120' Drill Pipe Run 4208 Mud Wt. 9.2
 Top Packer Depth 4395 Drill Collars Run 175 Vis 52
 Bottom Packer Depth 4400 Wt. Pipe Run _____ WL _____
 Total Depth 4520 Chlorides _____ ppm System LCM 1#

Blow Description IF-Weak surface blow, built to 1" in diesel in 5min, Final is 1"

IST- No blow back

FF-Weak surface blow in 5min

FAT-Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud w/spots of oil</u>			<u>100%</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 10 BHT 105 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

Initial Hydrostatic 2236 Test 1950 Ruined Shale Packer _____

Initial Flow 22 to 29 Jars 300 Ruined Packer _____

Initial Shut-In 937 Circ Sub _____ Hotel _____

Final Flow 31 to 33 Hourly Standby _____ EM Tool Successful _____

Final Shut-In _____ Mileage 68RT 126 + 126 Accessibility _____

Final Hydrostatic 2020 Sampler _____ Gas Sample _____

T-On Location 01:20 Straddle _____ Oversized Hole _____

Initial Flow 30 T-Started 02:10 Shale Packer _____ Sub Total 0

Initial Shut-In 13 T-Open 03:52 Extra Packer _____ Total 2502

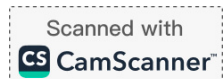
Final Flow 15 T-Pulled 05:13 Extra Recorder _____ Tool Loaded 11/11/25 @ 09:30

Final Shut-In _____ T-Out 07:16 Day Standby _____ MP/DST Disc't _____

Comments _____

Approved By _____ Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damage of any kind of 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.



Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

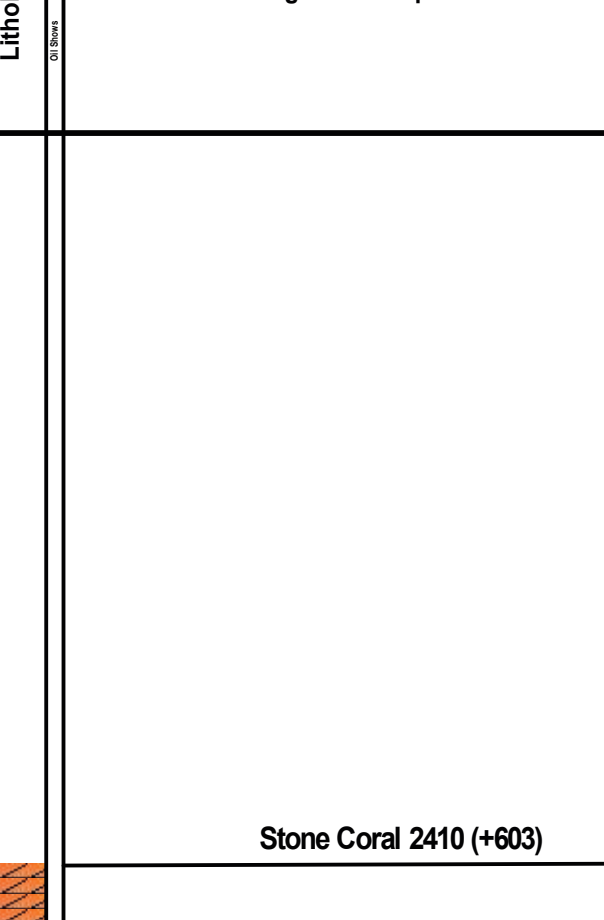
COMPANY **Darragh Oil Company, LLC**
LEASE **Samsner-LIP Unit #1-13**
FIELD **SHS**
LOCATION **112° TSL & 157° FWL**
SEC **13** TWP **14S** RGE **34W**
COUNTY **Logan** STATE **Kansas**
CONTRACTOR **Murfin Drilling #110**
SPUD **11/04/25** COMP **11/11/25**
RTD **4680'** LTD **4678'**
MUD UP **3600'** TYPE MUD **Chemical**
SAMPLES SAVED FROM **3700'** TO RTD
DRILLING TIME KEPT FROM **3600'** TO RTD
SAMPLES EXAMINED FROM **3700'** TO RTD

ELEVATIONS
KB 301.3'
DF _____
GL 3008'
Measurements Are All From Kelly Bushing

CASING
CONDUCTOR _____
SURFACE 8-5/8" at 218'
PRODUCTION N/A

ELECTRICAL SURVEYS
CND, DIL, MEL, Sontic
Midwest Wireline

Formation	Sample Tops	E-log Tops	Strat Pos.
Stone Coral	2410 (+603)	2410 (+603)	-8
Oread	3813 (-800)	3814 (-801)	-5
Heebner	3868 (-855)	3868 (-855)	-9
Lansing	3912 (-899)	3910 (-897)	-8
Muncie Creek	4074 (-1061)	4080 (-1067)	-12
Stark	4173 (-1160)	4166 (-1153)	-10
Pawnee	4382 (-1369)	4377 (-1364)	-10
Cherokee	4462 (-1449)	4464 (-1451)	-16
Misspim	4636 (-1623)	4638 (-1625)	-23



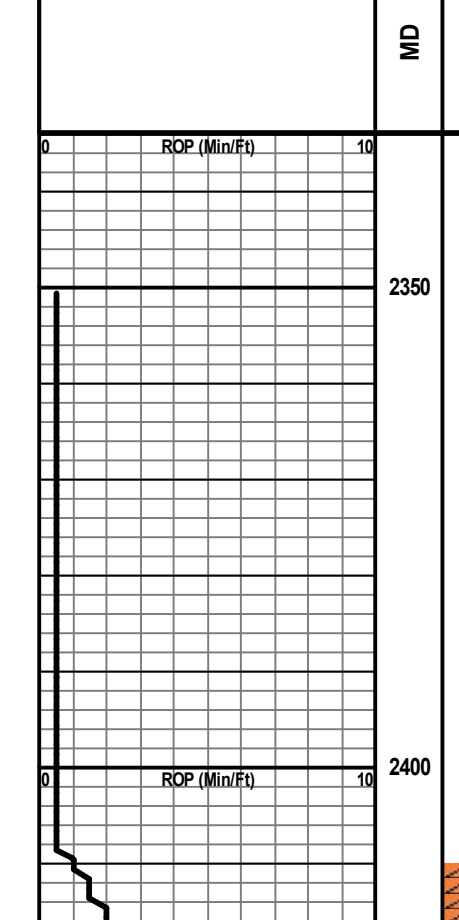
REMARKS Due to poor shows of oil in multiple potential pay zones and negative DST results, it is recommended and agreed upon by all parties that this well be plugged and abandoned.

Respectfully Submitted,
Saman Sharifaie
Petroleum Geologist

API #15-109-21694

*Tops have been adjusted to electric logs

Formation	Sample Tops	E-log Tops	Strat Pos.
Stone Coral	2410 (+603)	2410 (+603)	-8
Oread	3813 (-800)	3814 (-801)	-5
Heebner	3868 (-855)	3868 (-855)	-9
Lansing	3912 (-899)	3910 (-897)	-8
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Stark	4173 (-1160)	4166 (-1153)	-10
Pawnee	4382 (-1369)	4377 (-1364)	-10
Cherokee	4462 (-1449)	4464 (-1451)	-16
Misspim	4636 (-1623)	4638 (-1625)	-23

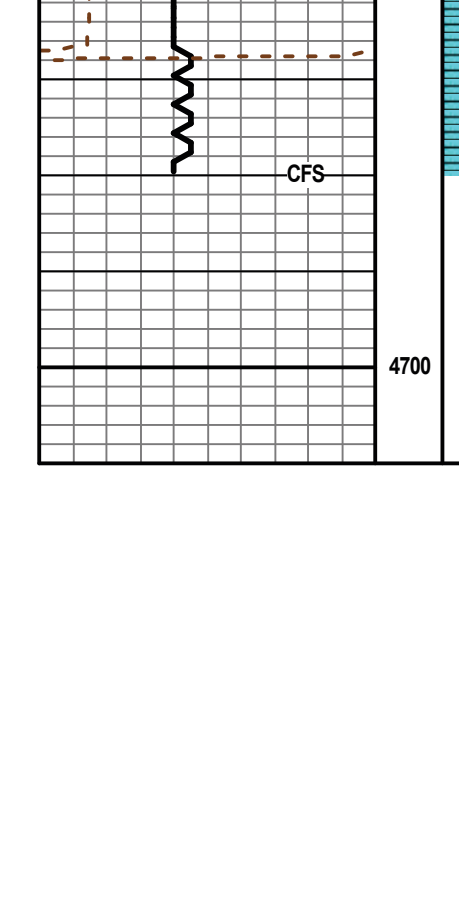
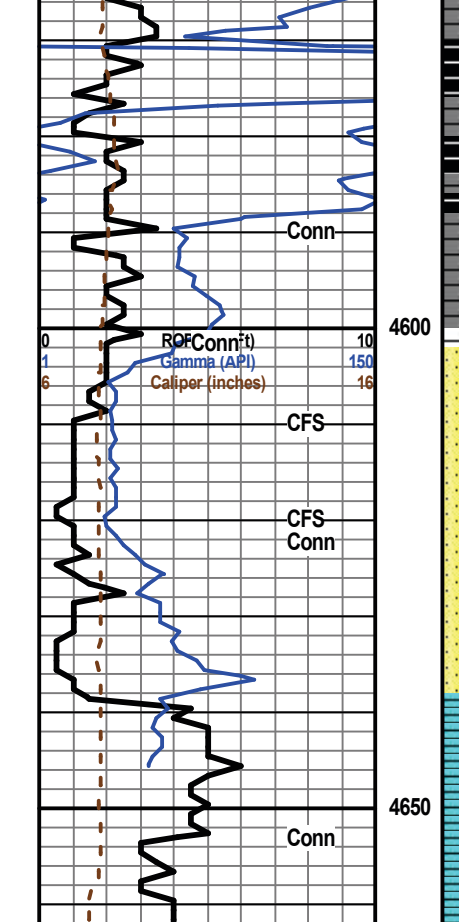
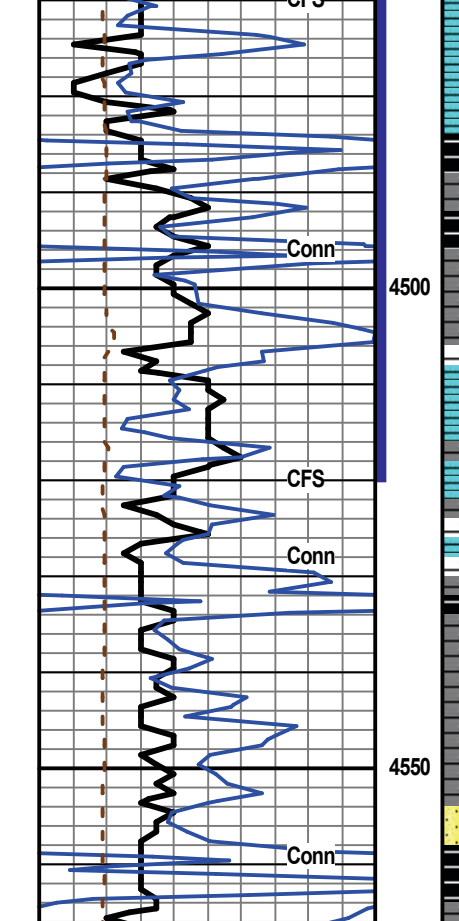
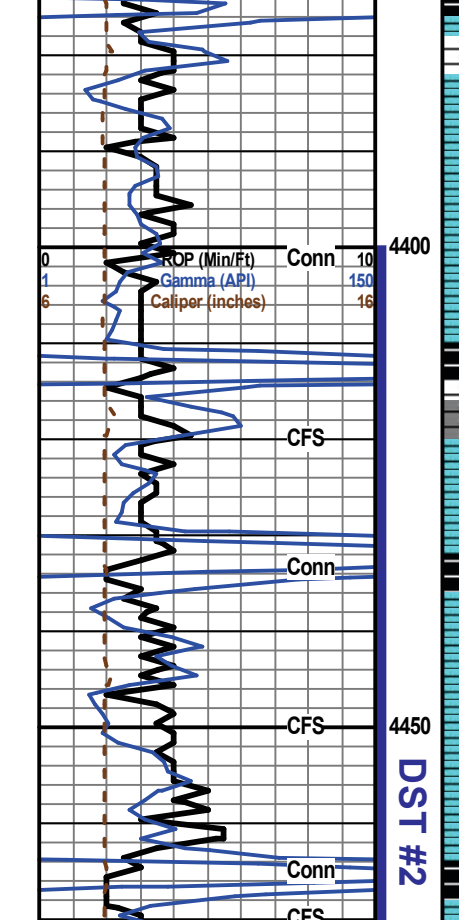
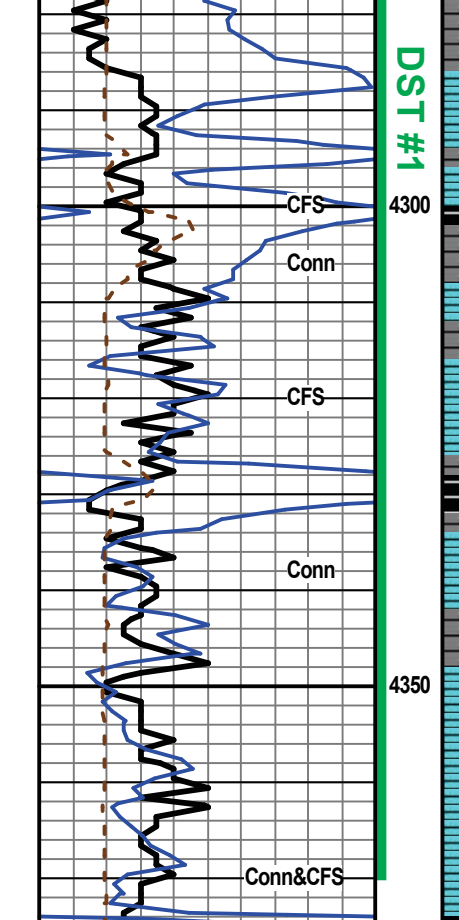
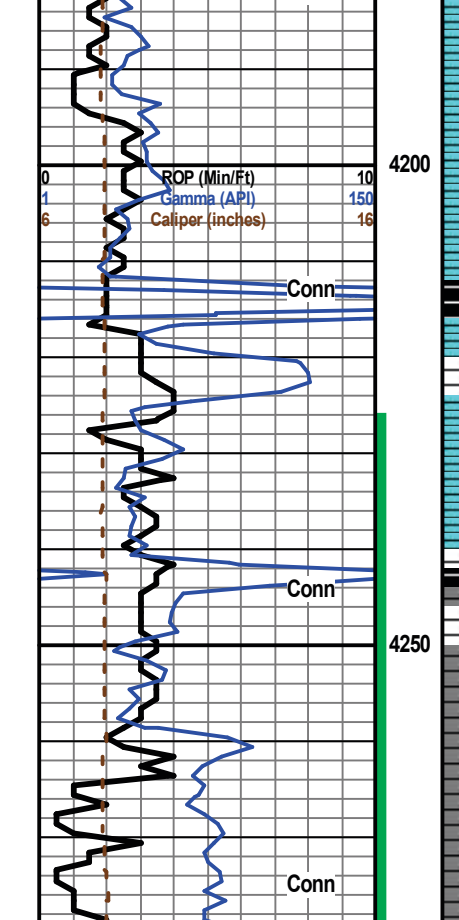
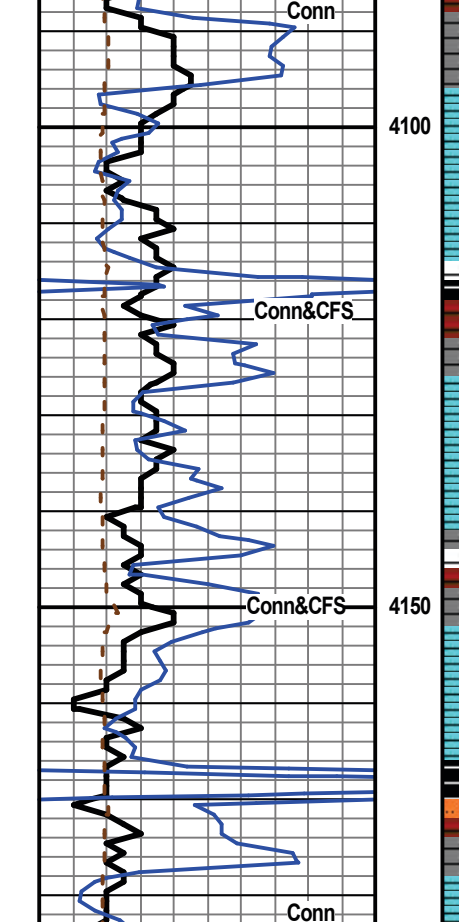
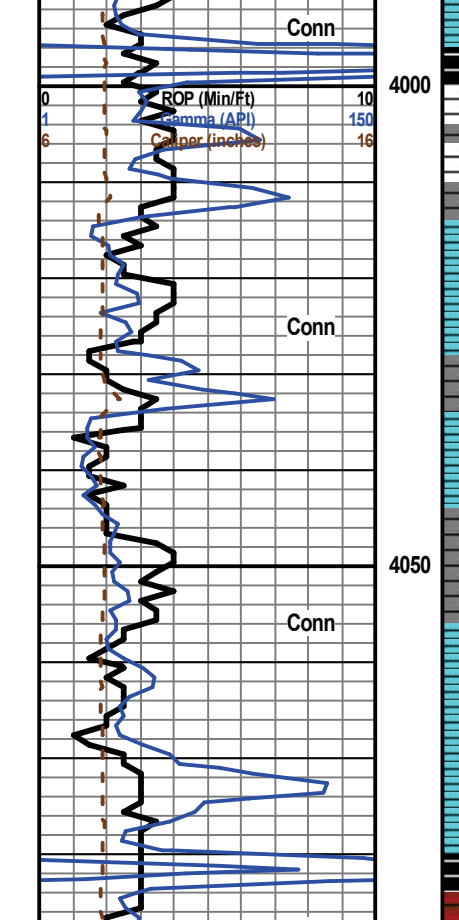
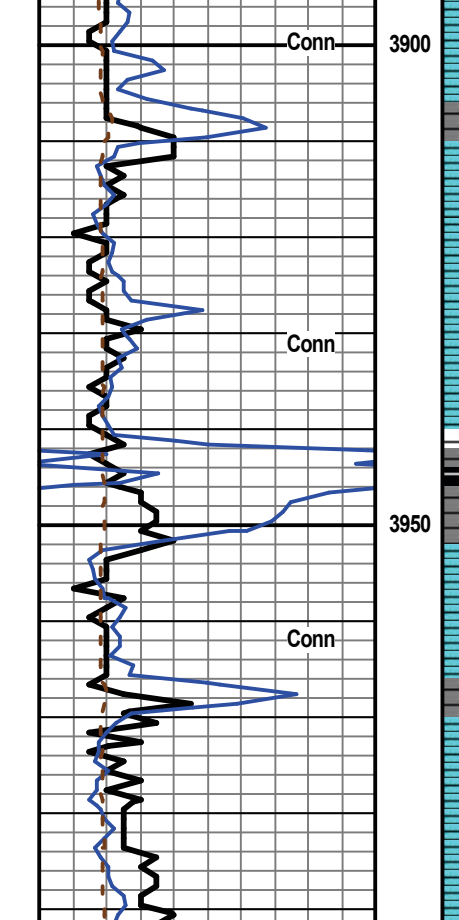
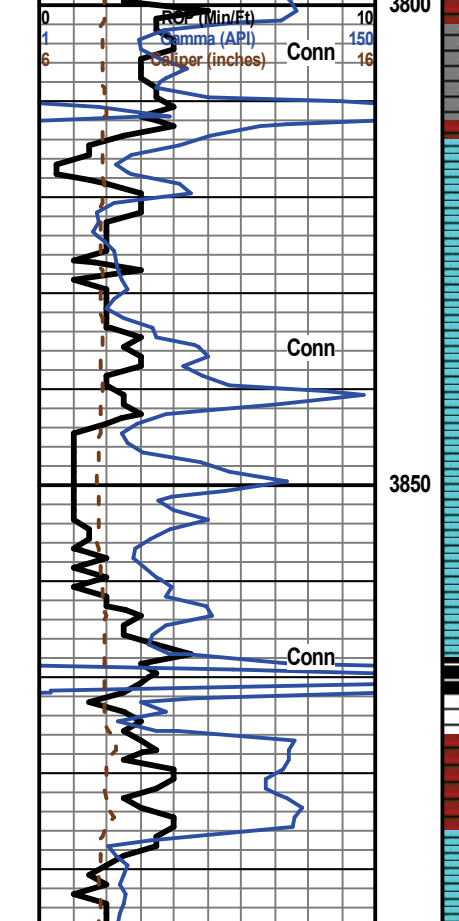
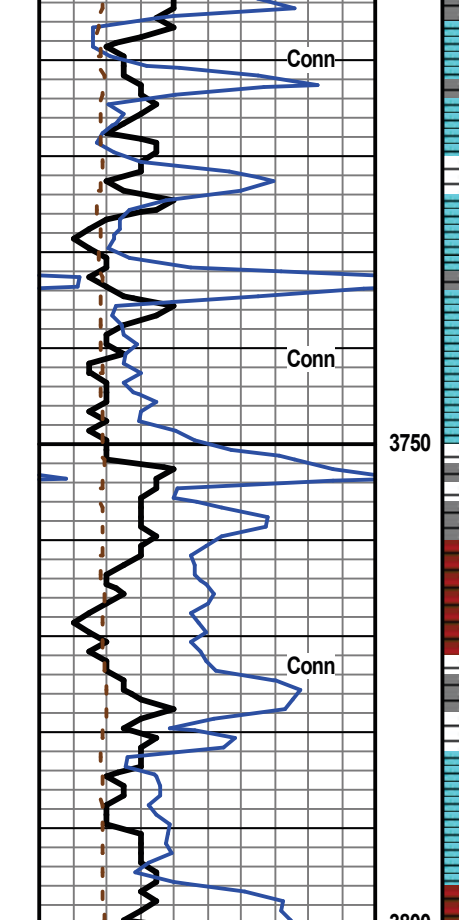
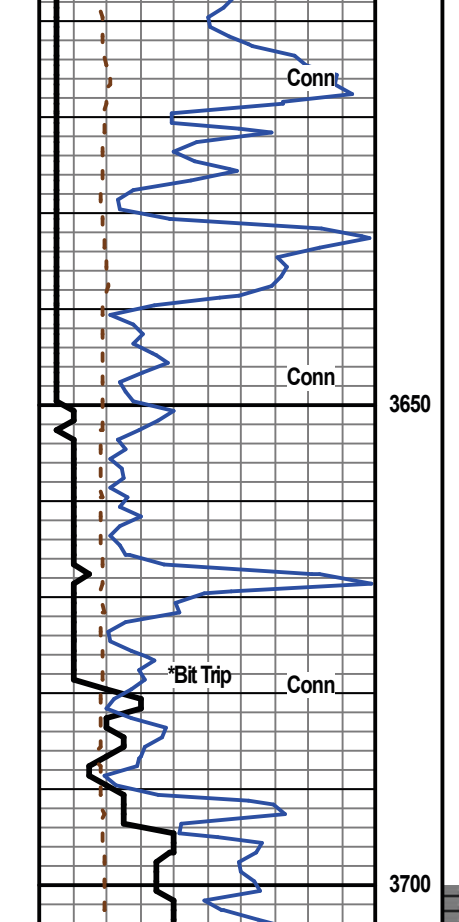


REMARKS Due to poor shows of oil in multiple potential pay zones and negative DST results, it is recommended and agreed upon by all parties that this well be plugged and abandoned.

Respectfully Submitted,
Saman Sharifaie
Petroleum Geologist

API #15-109-21694

*Tops have been adjusted to electric logs



Geological Descriptions

Engineering Data

Stone Coral 2410 (+603)

Base 2430 (+583)

DAILY PENETRATION @ 7:00 AM
11/04/25 - Spud at 9:00 AM
11/05/25 - Drilling at 1263'
11/06/25 - Drilling at 2326'
11/07/25 - Drilling at 3805'
11/08/25 - Drilling at 4285'
11/09/25 - Testing at 4320'
11/10/25 - Testing at 4520'
11/11/25 - Logging at 4680'

Pipe Strap @ 3679': 2.69' Short to Board Deviation Survey-1'

Ls, tan/cm, v-fn xln, foss, no-prvs poc dns to sub-chky, calc, sbang to sil bly, chy IP, nis

Ls, tan, fn xln, Tr, foss, printgran por, dolc IP, suc bdt, fit to brit, calc IP, sub-chky IP, nis

Ls, aa, sil mott IP, calc, scat gry Sh

Sh, grylt gn

Sh, bmlomggn, sly

Ls, cm, tan, gry, fn xln, printgran por, dolc IP, suc bdt, fit to brit, calc IP, scat rdgry Sh, nis

Sh, gry, pyc & Sh, bm, sly

Oread 3814 (-801)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, calc IP, ang to bly, nis

Ls, cm, tan, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, ang to bly, Tr w/ht op Cht, nis

Ls, cm, tan, v-fn xln, foss IP, no-prvs poc, calc, sub-chky IP, Tr Cht, nis

Ls, b, bmltan, fn-med xln, printgran por, dolc, suc bdt, fit to brit, sub-bm, nis

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Toronto 3887 (-874)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, dns, calc IP, hd to chky, Tr, micr pyc, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Muncie Creek 4080 (-1067)

Ls, cm, tan, v-fn xln, Oolc IP, Tr, pr pp intfoss por, pred NVP, dns to sub-chky, calc cm, scat transi Cht, m (2-3 pcs) blk spid stn, no odr, NSFO

Ls, tan, gry, tan, gry, v-fn xln, NVP, dns to sub-chky, no odr, nis

Sh, grylt, gn, blk, varic

Ls, cm, tan, v-fn xln, Oolc IP, pr vs poc dns to chky, calc cm, scat Cht, nis

Sh, gry, gn, blk, varic, sly

Ls, cm, tan, gry, sing, micr v-fn xln, Tr, pr pp intpart por, pred NVP, dns to sub-chky, chy IP, calc, sbang to bly, nis

Ls, tan, gry, v-fn xln, Tr, foss, NVP, dns to chky, nis

Heebner 3868 (-855)

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Lansing 3910 (-897)

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Oread 3814 (-801)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, calc IP, ang to bly, nis

Ls, cm, tan, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, ang to bly, Tr w/ht op Cht, nis

Ls, cm, tan, v-fn xln, foss IP, no-prvs poc, calc, sub-chky IP, Tr Cht, nis

Ls, b, bmltan, fn-med xln, printgran por, dolc, suc bdt, fit to brit, sub-bm, nis

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Toronto 3887 (-874)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, dns, calc IP, hd to chky, Tr, micr pyc, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Muncie Creek 4080 (-1067)

Ls, cm, tan, v-fn xln, Oolc IP, Tr, pr pp intfoss por, pred NVP, dns to sub-chky, calc cm, scat transi Cht, m (2-3 pcs) blk spid stn, no odr, NSFO

Ls, tan, gry, tan, gry, v-fn xln, NVP, dns to sub-chky, no odr, nis

Sh, grylt, gn, blk, varic

Ls, cm, tan, v-fn xln, Oolc IP, pr vs poc dns to chky, calc cm, scat Cht, nis

Sh, gry, gn, blk, varic, sly

Ls, cm, tan, gry, sing, micr v-fn xln, Tr, pr pp intpart por, pred NVP, dns to sub-chky, chy IP, calc, sbang to bly, nis

Ls, tan, gry, v-fn xln, Tr, foss, NVP, dns to chky, nis

Heebner 3868 (-855)

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Lansing 3910 (-897)

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Oread 3814 (-801)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, calc IP, ang to bly, nis

Ls, cm, tan, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, ang to bly, Tr w/ht op Cht, nis

Ls, cm, tan, v-fn xln, foss IP, no-prvs poc, calc, sub-chky IP, Tr Cht, nis

Ls, b, bmltan, fn-med xln, printgran por, dolc, suc bdt, fit to brit, sub-bm, nis

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Toronto 3887 (-874)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, dns, calc IP, hd to chky, Tr, micr pyc, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Muncie Creek 4080 (-1067)

Ls, cm, tan, v-fn xln, Oolc IP, Tr, pr pp intfoss por, pred NVP, dns to sub-chky, calc cm, scat transi Cht, m (2-3 pcs) blk spid stn, no odr, NSFO

Ls, tan, gry, tan, gry, v-fn xln, NVP, dns to sub-chky, no odr, nis

Sh, grylt, gn, blk, varic

Ls, cm, tan, v-fn xln, Oolc IP, pr vs poc dns to chky, calc cm, scat Cht, nis

Sh, gry, gn, blk, varic, sly

Ls, cm, tan, gry, sing, micr v-fn xln, Tr, pr pp intpart por, pred NVP, dns to sub-chky, chy IP, calc, sbang to bly, nis

Ls, tan, gry, v-fn xln, Tr, foss, NVP, dns to chky, nis

Heebner 3868 (-855)

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Lansing 3910 (-897)

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Oread 3814 (-801)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, calc IP, ang to bly, nis

Ls, cm, tan, fn xln, foss, Tr, pp intfoss por, pred NVP, dns, ang to bly, Tr w/ht op Cht, nis

Ls, cm, tan, v-fn xln, foss IP, no-prvs poc, calc, sub-chky IP, Tr Cht, nis

Ls, b, bmltan, fn-med xln, printgran por, dolc, suc bdt, fit to brit, sub-bm, nis

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Toronto 3887 (-874)

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss por, dns, calc IP, hd to chky, Tr, micr pyc, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Muncie Creek 4080 (-1067)

Ls, cm, tan, v-fn xln, Oolc IP, Tr, pr pp intfoss por, pred NVP, dns to sub-chky, calc cm, scat transi Cht, m (2-3 pcs) blk spid stn, no odr, NSFO

Ls, tan, gry, tan, gry, v-fn xln, NVP, dns to sub-chky, no odr, nis

Sh, grylt, gn, blk, varic

Ls, cm, tan, v-fn xln, Oolc IP, pr vs poc dns to chky, calc cm, scat Cht, nis

Sh, gry, gn, blk, varic, sly

Ls, cm, tan, gry, sing, micr v-fn xln, Tr, pr pp intpart por, pred NVP, dns to sub-chky, chy IP, calc, sbang to bly, nis

Ls, tan, gry, v-fn xln, Tr, foss, NVP, dns to chky, nis

Heebner 3868 (-855)

Sh, grylt, gnblk carb, silty to snyd IP

Sh, bm, sly

Ls, cm, tan, gry, fn xln, foss, Tr, pp intfoss & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, pred cm, sing, abund Chtk

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Oolc por, pt, dns, pred NVP, calc IP, sil fit to chky, Tr, pyc, di gn min fluoc, no odr, nis

Ls, aa, Tr, pr pp intOolc por

Ls, cm, tan, w/ht, sing, v-fn xln, Tr, printgran por, pred bly w/ NVP, dns, pyc IP, nis

Sh, dk, gry, blk, mlt, gn, sly IP, Tr, pyc

Ls, cm, sing, v-fn xln, foss IP, Tr, pr pp intpart poc dns, calc cm, sub-chky IP, bly to sbang, nis

Ls, cm, sing, v-fn xln, no-prvs poc dns to sub-chky, calc cm, bly to sbang, incr Sh abund, nis

Ls, cm, tan, pred, sing, v-fn xln, foss IP, pr vs por dns, calc, sbang to bly, scat Cht, nis

Ls, tan, cm, tan, v-fn xln, foss IP, Tr, printgran por, pred NVP, dns, calc cm, hd to sub-chky, nis

Ls, cm, tan, gry, v-fn xln, Tr, foss, NVP, dns to sub-chky, calc cm, bly to sbang, nis

Sh, grylt, gnblk carb

Sh, gry, gn, sil sly, pyc

Lansing 3910 (-897)

Ls, cm, tan, gry, fn xln, foss IP, Tr, printpart & Ool

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
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<http://kcc.ks.gov/>

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

April 02, 2026

Alyssa Vines
Darrah Oil Company, LLC
PO BOX 2786
WICHITA, KS 67201-2786

Re: ACO-1
API 15-109-21694-00-00
SANGSTER-UP UNIT 1-13
SW/4 Sec.13-14S-34W
Logan County, Kansas

Dear Alyssa Vines:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/4/2025 and the ACO-1 was received on April 01, 2026 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department