

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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FEDERAL 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. 2145

Date <u>12.10.20</u>	Sec. <u>4</u>	Twp. <u>20</u>	Range <u>20</u>	County <u>Pawnee</u>	State <u>KS</u>	On Location	Finish <u>10:30PM</u>
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Lease Swindt Well No. 4 Location Alexander 93 Fito

Contractor <u>Sarthorn</u>	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.
Type Job <u>Production string</u>	Charge To <u>Jason O. I</u>

Hole Size <u>7 7/8</u>	T.D. <u>4329</u>	Street
Csg. <u>5 1/2 15.50</u>	Depth <u>4325</u>	City
Tbg. Size	Depth	State

Cement Left in Csg. <u>42.80</u>	Shoe Joint <u>42.80</u>	Cement Amount Ordered <u>175 Q-Pro-C 10% Salt</u>
Meas Line	Displace <u>102 BC</u>	<u>5. Gilsonite 500gal mud clear</u>

EQUIPMENT

Pumptrk	5	No.	Cementer	Helper	<u>raig</u>
Bulktrk		No.	Driver		<u>nick</u>
Bulktrk	9	No.	Driver		<u>Doug</u>

JOB SERVICES & REMARKS

Remarks:
 Rat Hole 30SK
 Mouse Hole 20SK
 Centralizers
 Baskets
 DV or Port Collar
5 1/2 set @ 4325. Insert @ 4286.
Est. Circulation & pump 500gal mud
Clear. Plug Rathole & mouse hole.
Cement 5 1/2 with 125SK.
Clear lines & Displace Plug.
Plug landed @ 1500'
Lift pressure 800'

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	<u>5</u>
Baskets	<u>1</u>
AFU Inserts	
Float Shoe	<u>1</u>
Latch Down	<u>1</u>
Pumptrk Charge	
Mileage	

Terry W. Riosha
 x Signature

Tax	
Discount	
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. 2083

Date	12/4/2020	Sec.	4	Twp.	20	Range	20	County	Rawl	State	Kansas	On Location		Finish	1:15 am
								Location							
								Alexander 8 5/8 Einto							

Lease	SWINDT		Well No.	1-4		Owner									
Contractor	Southwind Drilling					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.									
Type Job	Surface														
Hole Size	12 1/4		T.D.	1393'		Charge To	Jason O.I								
Csg.	8 5/8		Depth	1393'		Street									
Tbg. Size			Depth			City					State				
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	26.67		Shoe Joint	26.67		Cement Amount Ordered 500 3/4 3% cc 2% gel									
Meas Line			Displace	86.75											

EQUIPMENT						
Pumptrk	16	No.	Cementer	David	Common	400
			Helper	Tom	Poz. Mix	100
Bulktrk	9	No.	Driver	Doug	Gel.	9
			Driver	Tom	Calcium	18 18

JOB SERVICES & REMARKS						
Remarks:					Hulls	
Rat Hole					Salt	
Mouse Hole					Flowseal	
Centralizers					Kol-Seal	
Baskets					Mud CLR 48	
D/V or Port Collar					CFL-117 or CD110 CAF 38	
					Sand	
					Handling	
					Mileage	

FLOAT EQUIPMENT						
					Guide Shoe	
					Centralizer	
					Baskets	
					AFU Inserts	
					Float Shoe	
					Latch Down	
					1-Rubber plug	
					2-Brake plate	
					Pumptrk Charge	
					Mileage	

Signature		Tax	
		Discount	
		Total Charge	

X
Signature

Frank J. Rowe



DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company, LLC**

PO Box 701
Russell, KS 67665

ATTN: Marc Downing

Swindt #1-4

4-20S-20W Russell,KS

Start Date: 2020.12.09 @ 04:43:49

End Date: 2020.12.09 @ 12:11:55

Job Ticket #: 64503 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2020.12.10 @ 11:18:05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jason Oil Company, LLC

4-20S-20W Russell,KS

PO Box 701
Russell, KS 67665

Swindt #1-4

Job Ticket: 64503

DST#: 1

ATTN: Marc Downing

Test Start: 2020.12.09 @ 04:43:49

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:08:25

Time Test Ended: 12:11:55

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4241.00 ft (KB) To 4319.00 ft (KB) (TVD)

Reference Elevations: 2192.00 ft (KB)

Total Depth: 4319.00 ft (KB) (TVD)

2183.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6771 Inside

Press@RunDepth: 33.23 psig @ 4242.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.12.09 End Date: 2020.12.09

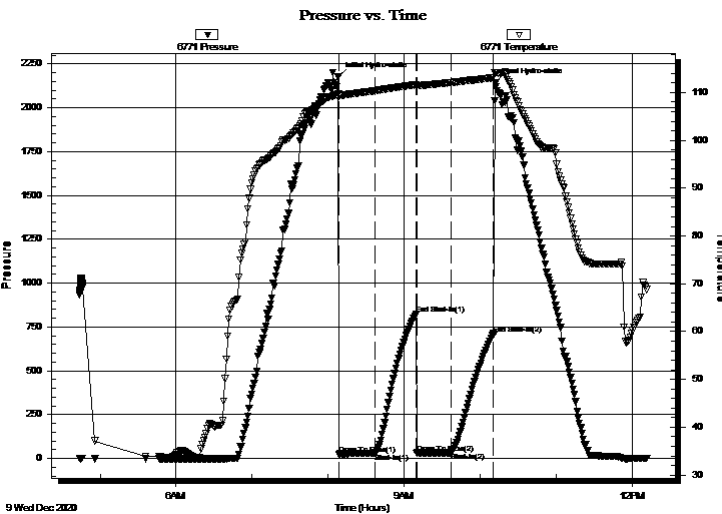
Last Calib.: 2020.12.09

Start Time: 04:43:50 End Time: 12:11:55

Time On Btm: 2020.12.09 @ 08:08:10

Time Off Btm: 2020.12.09 @ 10:12:10

TEST COMMENT: 30- IF- 3/4" blow
30- IS- No blow
30- FF- No blow
30- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.06	109.74	Initial Hydro-static
1	25.85	109.27	Open To Flow (1)
30	29.93	110.38	Shut-In(1)
62	823.06	111.62	End Shut-In(1)
62	31.18	111.46	Open To Flow (2)
90	33.23	112.08	Shut-In(2)
123	712.19	113.07	End Shut-In(2)
124	2142.10	114.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM, 5%O 95%M	0.28
2.00	CO	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company, LLC

4-20S-20W Russell,KS

PO Box 701
Russell, KS 67665

Swindt #1-4

Job Ticket: 64503

DST#: 1

ATTN: Marc Downing

Test Start: 2020.12.09 @ 04:43:49

Tool Information

Drill Pipe:	Length: 4215.00 ft	Diameter: 3.82 inches	Volume: 59.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	4241.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	111.00 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			4209.00	
Shut In Tool	5.00			4214.00	
Hydraulic tool	5.00			4219.00	
Gap Sub	5.00			4224.00	
Jars	5.00			4229.00	
Safety Joint	3.00			4232.00	
Packer	5.00			4237.00	33.00 Bottom Of Top Packer
Packer	4.00			4241.00	
Stubb	1.00			4242.00	
Recorder	0.00	6771	Inside	4242.00	
Recorder	0.00	8700	Outside	4242.00	
Perforations	5.00			4247.00	
Change Over Sub	1.00			4248.00	
Drill Pipe	64.00			4312.00	
Change Over Sub	1.00			4313.00	
Perforations	3.00			4316.00	
Bullnose	3.00			4319.00	78.00 Bottom Packers & Anchor
Total Tool Length:	111.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Company, LLC

4-20S-20W Russell,KS

PO Box 701
Russell, KS 67665

Swindt #1-4

Job Ticket: 64503

DST#: 1

ATTN: Marc Downing

Test Start: 2020.12.09 @ 04:43:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	SOCM, 5%O 95%M	0.284
2.00	CO	0.028

Total Length: 22.00 ft Total Volume: 0.312 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

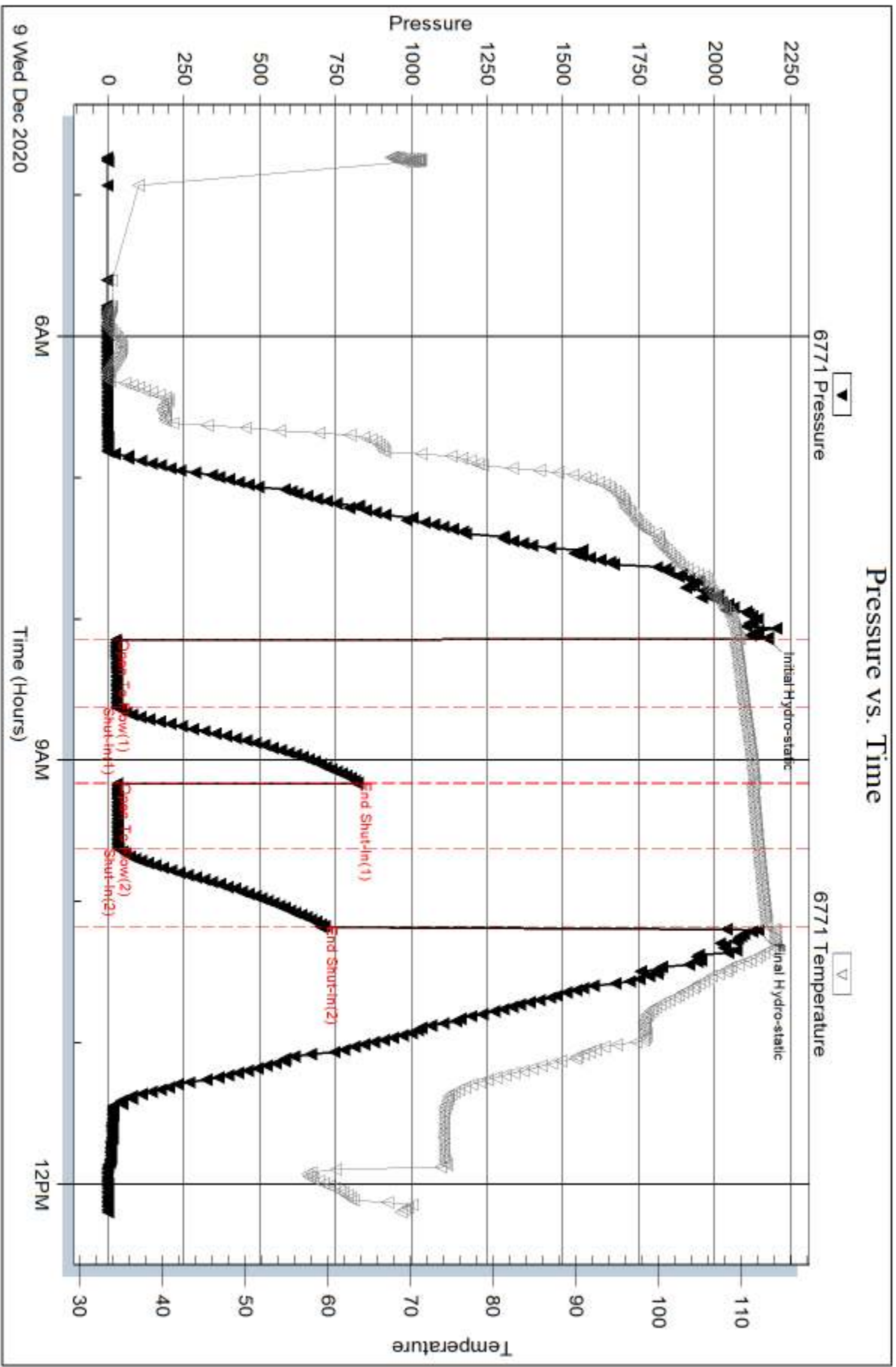
Serial #: 6771

Inside

Jason Oil Company, LLC

Sw Indt #1-4

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 64503

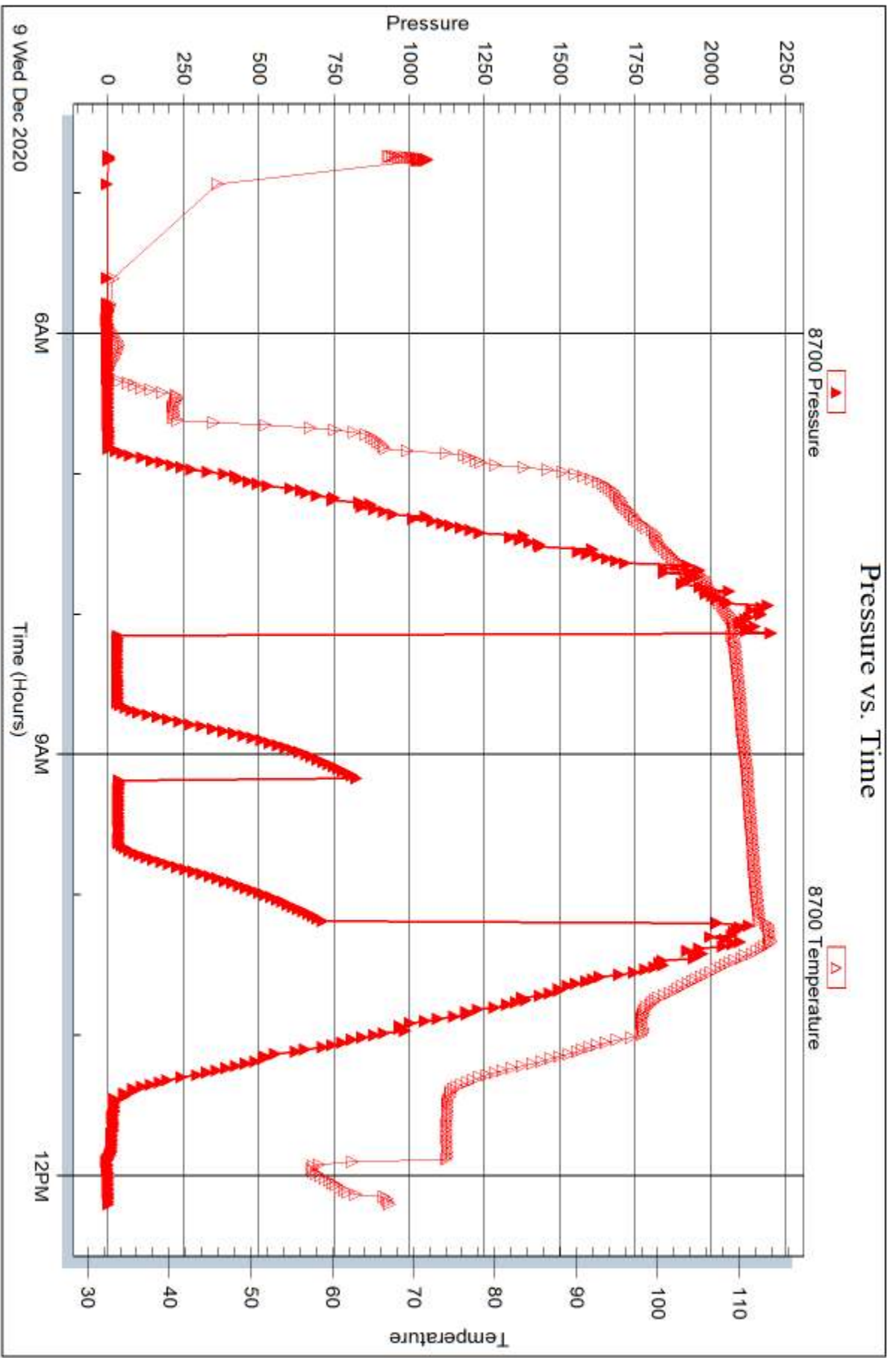
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Serial #: 8700

Outside Jason Oil Company, LLC

Sw Indt #1-4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64503

Printed: 2020.12.10 @ 11:18:07



DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company, LLC**

PO Box 701
Russell, KS 67665

ATTN: Marc Downing

Swindt #1-4

4-20S-20W Russell,KS

Start Date: 2020.12.09 @ 18:14:12

End Date: 2020.12.10 @ 02:30:18

Job Ticket #: 64504 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.12.10 @ 11:17:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Jason Oil Company, LLC

4-20S-20W Russell,KS

PO Box 701
Russell, KS 67665

Swindt #1-4

Job Ticket: 64504

DST#: 2

ATTN: Marc Downing

Test Start: 2020.12.09 @ 18:14:12

GENERAL INFORMATION:

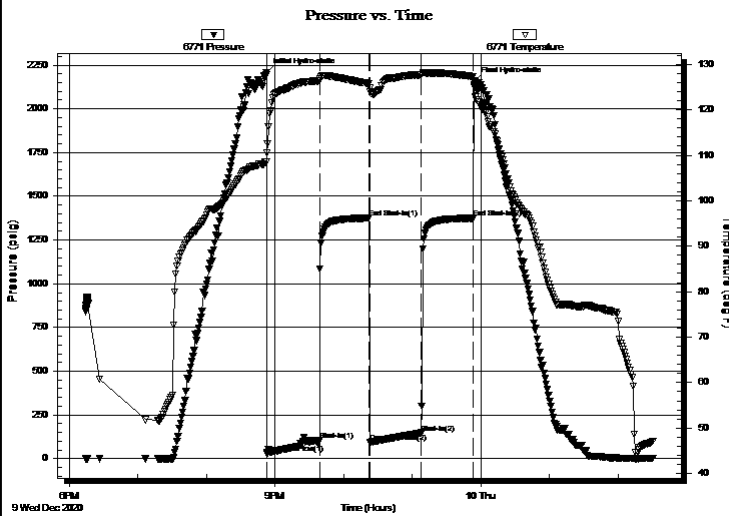
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:52:33
 Time Test Ended: 02:30:18
 Interval: **4319.00 ft (KB) To 4329.00 ft (KB) (TVD)**
 Total Depth: 4329.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2192.00 ft (KB)
 2183.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6771

Inside

Press@RunDepth: 147.58 psig @ 4320.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.12.09 End Date: 2020.12.10 Last Calib.: 2020.12.10
 Start Time: 18:14:13 End Time: 02:30:18 Time On Btm: 2020.12.09 @ 20:52:18
 Time Off Btm: 2020.12.09 @ 23:54:18

TEST COMMENT: 45- IF- Slowly built to 8"
 45- IS- No blow
 45- FF- Slowly built to 5"
 45- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.01	108.61	Initial Hydro-static
1	28.42	110.44	Open To Flow (1)
47	105.07	126.39	Shut-In(1)
90	1375.32	125.73	End Shut-In(1)
91	93.22	124.77	Open To Flow (2)
136	147.58	127.70	Shut-In(2)
181	1374.43	127.24	End Shut-In(2)
182	2154.57	125.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	SOCMW, 5%O 75%W 20%M	0.71
280.00	WSMCO, 75%O 20%W 5%M	3.97

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company, LLC

4-20S-20W Russell,KS

PO Box 701
Russell, KS 67665

Swindt #1-4

Job Ticket: 64504

DST#: 2

ATTN: Marc Downing

Test Start: 2020.12.09 @ 18:14:12

Tool Information

Drill Pipe:	Length: 4310.00 ft	Diameter: 3.82 inches	Volume: 61.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4319.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4287.00	
Shut In Tool	5.00			4292.00	
Hydraulic tool	5.00			4297.00	
Gap Sub	5.00			4302.00	
Jars	5.00			4307.00	
Safety Joint	3.00			4310.00	
Packer	5.00			4315.00	33.00 Bottom Of Top Packer
Packer	4.00			4319.00	
Stubb	1.00			4320.00	
Recorder	0.00	6771	Inside	4320.00	
Recorder	0.00	8700	Outside	4320.00	
Perforations	6.00			4326.00	
Bullnose	3.00			4329.00	10.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Company, LLC

4-20S-20W Russell,KS

PO Box 701
Russell, KS 67665

Swindt #1-4

Job Ticket: 64504

DST#: 2

ATTN: Marc Downing

Test Start: 2020.12.09 @ 18:14:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

21000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	SOCMW, 5%O 75%W 20%M	0.709
280.00	WSMCO, 75%O 20%W 5%M	3.969

Total Length: 330.00 ft Total Volume: 4.678 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .48@46deg

Serial #: 6771

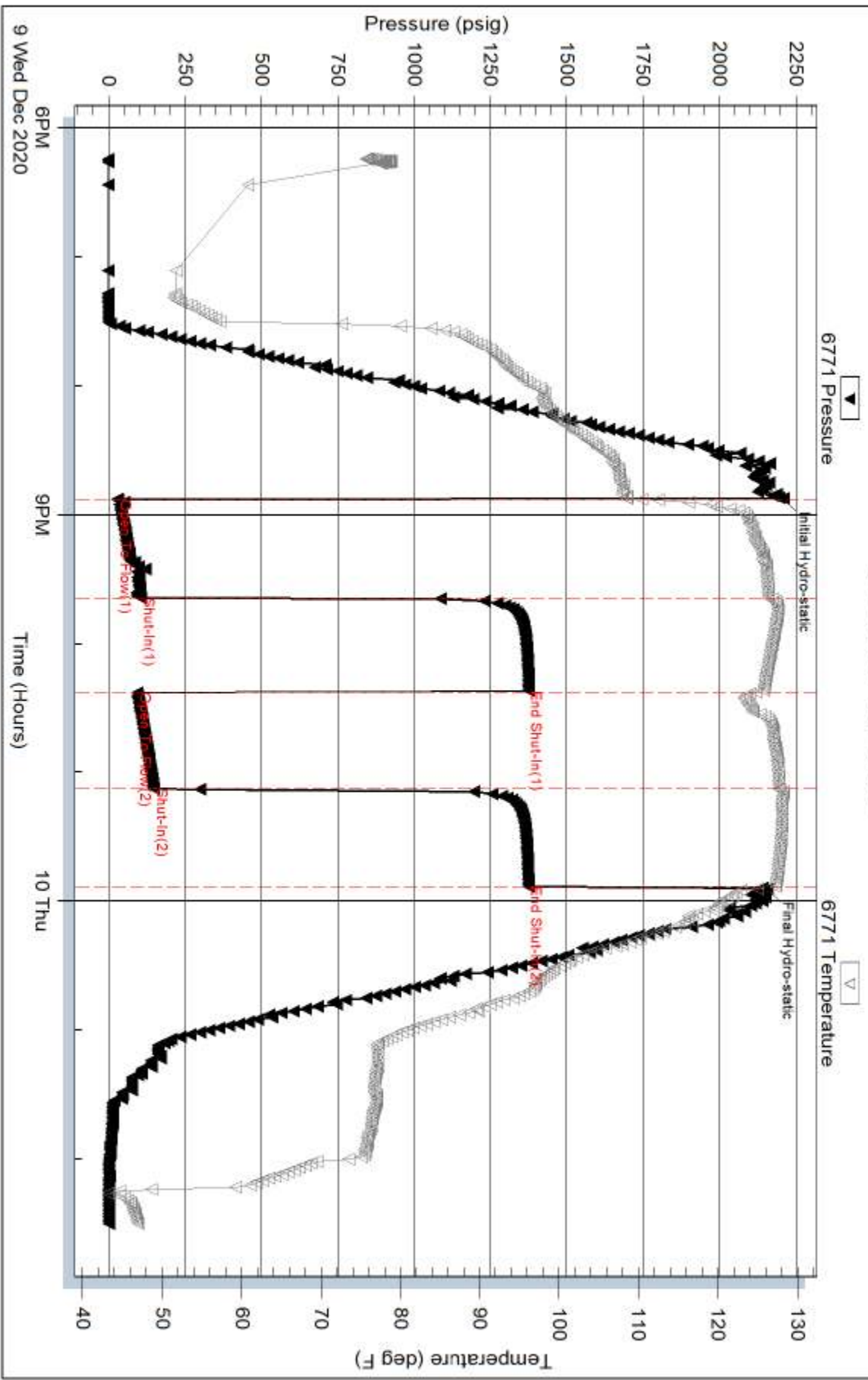
Inside

Jason Oil Company, LLC

Sw Indt #1-4

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64504

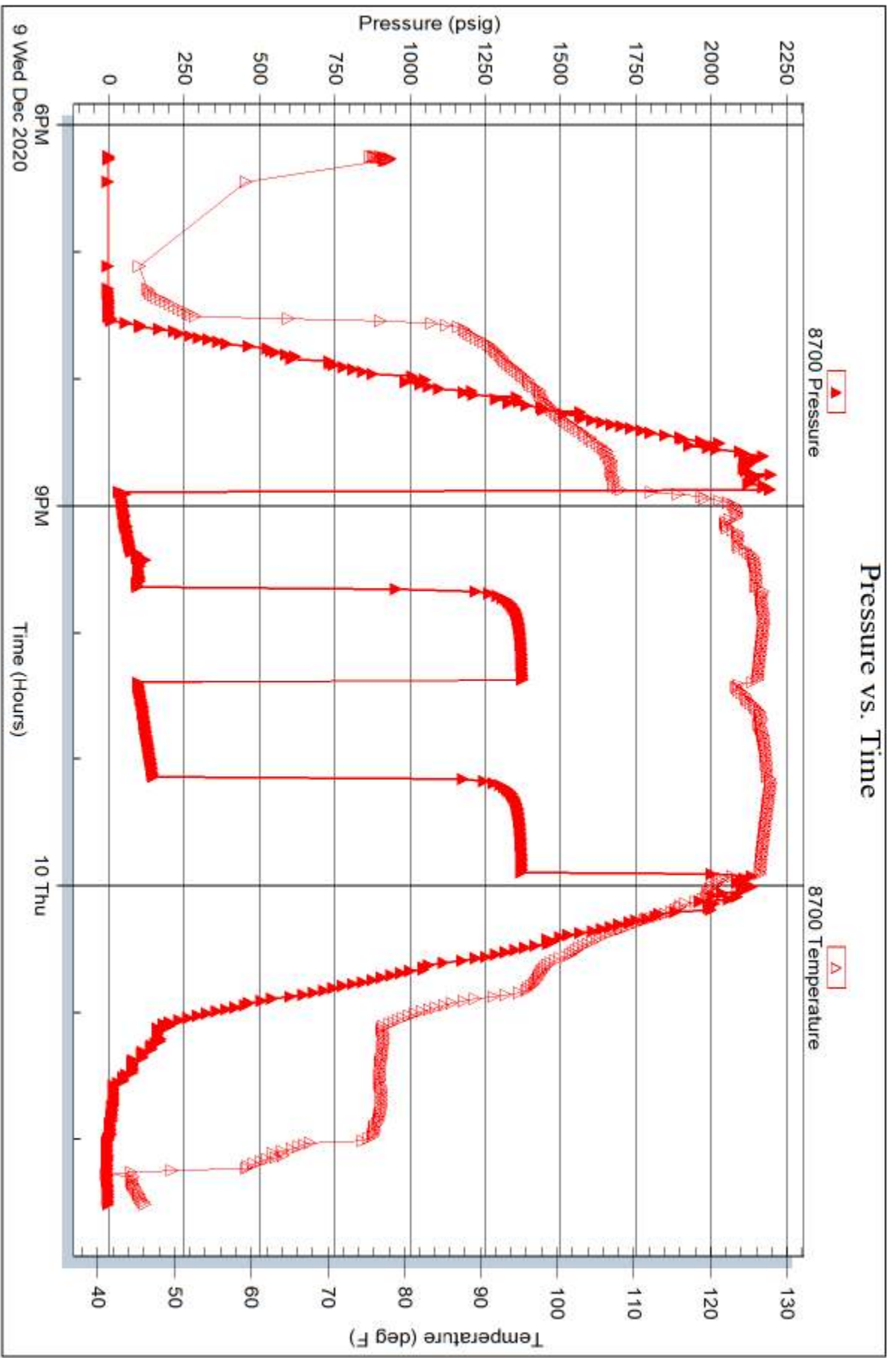
Printed: 2020.12.10 @ 11:17:39

Serial #: 8700

Outside Jason Oil Company, LLC

Sw Indt #1-4

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 64504

Printed: 2020.12.10 @ 11:17:39



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64503**

Well Name & No. Swindt #1-4 Test No. 1 Date 12/9/20
 Company Jason Oil Company, LLC Elevation 2192 KB 283 GL
 Address 3718 183rd St., PO Box 701 Russell, KS 67665
 Co. Rep / Geo. Marc Downing Rig Southwind 1
 Location: Sec. 4 Twp 20 S Rge. 20 W Co. Russell State KS

Interval Tested 4241 - 4319 Zone Tested MISS
 Anchor Length 28' Drill Pipe Run 4215 Mud Wt. 9.4
 Top Packer Depth 4236 Drill Collars Run --- Vis 51
 Bottom Packer Depth 4241 Wt. Pipe Run --- WL 8.8
 Total Depth 4319 Chlorides 5,200 ppm System LCM 1#
 Blow Description IF - 3/4" blow
IFT - No blow
FF - No blow
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>SOCMA</u>		<u>5</u>		<u>95</u>
<u>2</u>	<u>CO</u>				

Rec Total 22' BHT 113° Gravity 37 API RW --- @ --- °F Chlorides --- ppm
 (A) Initial Hydrostatic 2176 Test 1300 T-On Location 0410
 (B) First Initial Flow 26 Jars 250 T-Started 0444
 (C) First Final Flow 30 Safety Joint 75 T-Open 0808
 (D) Initial Shut-In 823 Circ Sub --- T-Pulled 1008
 (E) Second Initial Flow 31 Hourly Standby --- T-Out 1212
 (F) Second Final Flow 33 Mileage 106 RT 106 Comments ---
 (G) Final Shut-In 712 Sampler --- EM Tool 350
 (H) Final Hydrostatic 2142 Straddle --- Ruined Shale Packer ---
 Shale Packer --- Ruined Packer ---
 Extra Packer --- Extra Copies ---
 Initial Open 30 Extra Recorder --- Sub Total 0
 Initial Shut-In 30 Day Standby --- Total 1731
 Final Flow 30 Accessibility --- MP/DST Disc't XX
 Final Shut-In 30 Sub Total 1731

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64504

Well Name & No. Swindt # 1-4 Test No. 2 Date 12/9/20
 Company Jason Oil Company, LLC Elevation 2192 KB 2183 GL
 Address 3718 183rd St., PO Box 201 Russell, KS 67665
 Co. Rep / Geo. Marc Downing Rig Southwind 1
 Location: Sec. 4 Twp 25 Rge. 20 Wco. Russell State KS

Interval Tested 4319-4329 Zone Tested Mrs5
 Anchor Length 10' Drill Pipe Run 4310 Mud Wt. 9.55
 Top Packer Depth 4314 Drill Collars Run --- Vis 48
 Bottom Packer Depth 4319 Wt. Pipe Run --- WL 9.16
 Total Depth 4329 Chlorides 5,600 ppm System LCM 1#
 Blow Description IF - Slowly built to 8"
ISF - No blow
FP - Slowly built to 5"
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>SOCMW</u>		<u>5</u>	<u>75</u>	<u>20</u>
<u>280</u>	<u>WSMCO</u>		<u>75</u>	<u>20</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 330' BHT 127° Gravity 28 API RW .48 @ 46° F Chlorides 21,000 ppm
 (A) Initial Hydrostatic 2208 Test 1300 T-On Location 1756
 (B) First Initial Flow 28 Jars 250 T-Started 1814
 (C) First Final Flow 105 Safety Joint 75 T-Open 2052
 (D) Initial Shut-In 1375 Circ Sub _____ T-Pulled 2352
 (E) Second Initial Flow 93 Hourly Standby _____ T-Out 0230
 (F) Second Final Flow 148 Mileage 106 RT 106 Comments _____
 (G) Final Shut-In 1374 Sampler _____ EMT 601 350
 (H) Final Hydrostatic 2155 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1731
 Final Flow 45 Accessibility _____ MP/DST Disc't XX
 Final Shut-In 45 Sub Total 1731

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

Marc A. Downing
Consulting Petroleum Geologist

Geologic Report
Drilling Time and Sample Log

Operator **Jason Oil Co. LLC**
 Lease **Swindt** No. 1-4
 API # **15-145-21864-0000**
 Field **Schadel South**
 Location **1255' FSL & 330' FWL**
 Sec. **4** Twp. **20s** Rge. **20w**
 County **Pawnee** State **Kansas**

Elevation
 KB **2195**
 DF **2193**
 GL **2185**

Casing Record
 Surface **8 5/8" @ 1392'**
 Production **5 1/2" @ 4326'**

Electrical Surveys
CNDL, DIL MEL

Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite		1381	+81.4	-4
Base Anhydrite		1402	+79.3	+2
Heebner	3704	3700	-1505	+2
LKC	3751	3748	-1553	+5
BKC	4049	4045	-1850	+7
Fort Scott	4227	4226	-2031	+2
Cherokee Sh	4244	4241	-2046	+6
Miss	4311	4309	-2114	FL
Osage	4326		-2131	Not Reached
Total Depth	4329	4327	-2134	

Reference Well For Structural Comparison **C-G Drilling & G.A. Reed - Fox #1**
 SW-SW Sec. 4-20s-20w

Drilling Contractor **Southwind Drilling, Rig #1**
 Commenced **12-2-20** Completed **12-10-20**
 Samples Saved From **3700** To **RTD**
 Drilling Time Kept From **3550** To **RTD**
 Samples Examined From **3700** To **RTD**
 Geological Supervision From **3700** To **RTD**

Summary and Recommendations
 Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.

Respectfully Submitted,
 Marc A. Downing

ROCK TYPES
 Carbon Sh shale, red
 shale, grn shale, gry
 Chl Lmsst fwt>
 Chl Chert White

ACCESSORIES
 DST
 DST Int
 DST alt
 Core
 Tail pipe

MISC
 Daily Report
 Digital Photo
 Document
 Folder
 Link
 Vertical Log File
 Horizontal Log File
 Core Log File
 Drill Cuttings Rpt

OIL SHOWS
 Scotted Sin 50 - 75 %
 Scotted Sin 25 - 50 %
 Scotted Sin 1 - 25 %
 Questionable Sin
 Dead Oil Sin
 Fluorescence

OTHER SYMBOLS
 DST
 DST Int
 DST alt
 Core
 Tail pipe

MINERAL
 Chl
 Chert White

Oil Shows
 Oil Shows

DST
 DST Interval
 DST Interval

Curve Track #1
 ROP (min/hr)
 Gamma (API)
 1-20 Imperial
 ROP (min/hr)
 Gamma (API)

Geological Descriptions
 Geological Descriptions

Total Gas (units)
 C1 (units)
 C2 (units)
 C3 (units)
 C4 (units)

Comment
 Comment

Notes
 NOTE: Gamma Ray has been shifted to fit ROP

Heebner 3704 (-1508)
 Sh: Black Carb

Toronto 3725 (-1530)
 Sh: gry
 LS: wht-tan, fn xin, dns w/ no vis por. Few subxin rx, totally barren.

LKC 3751 (-1556)
 Sh: gry
 LS: wht, fn-vfn xin, few frag foss. Mostly v dns, scat subxin rx. NS.

Sh: gry
 LS: tan-brn, fn-vfn xin, no vis por and dns. All NS.

Sh: gry
 LS: wht, fn xin, some suc in prt. Scat frag foss, fr-gd inbxn por, some chiky rx. Totally barren, no od.

Sh: Black Carb
 Sh: gry

LS: wht, scat ool and frag foss, w/ gd inbxn por, chiky in prt. Fr amt shp wht cht. All NS.

Sh: dk gry
 LS: scat rx ala, trng tan and less por. Many dns and tire rx w/ few frag foss, scat subxin rx. Totally barren, no od. Shp wht and it tan cht.

Sh: Black Carb
 Sh: gry

LS: wht-tan, fn xin, mostly dns w/ pr por. All NS, scat cht ala.

Sh: gry w/ lg grn
 LS: wht, fn-vfn xin, suc in prt. Some inbxn por, many chiky rx. All NS, no od.

Sh: gry
 LS: wht-tan, scat foss, trng mostly ool. Gd ooc por, totally barren, no od. Some chiky rx.

Sh: gry
 LS: wht, fn xin, subxin-chiky. Scat rx w/ fr vug por, trng v dns w/ no vis por. Totally barren, no od.

Sh: gry
 LS: wht-tan, fn xin, dns. Some subxin rx, NS.

Sh: Black Carb
 LS: tan, lg ool. Fr-gd ooc por w/ scat chiky rx. Trng dns w/ pr por, all NS.

BKC 4049 (-1854)
 Sh: dk gry, trng gry

LS: wht, fn xin, suc in prt. Dns, pr por.
 Sh: gry

LS: ala
 Sh: gry w/ fr amt brn-red, silty in prt.

Sh: gry
 LS: wht, fn-vfn xin. Subxin-chiky w/ scat inbxn por. Totally barren, no od.

Sh: gry w/ scat brn
 Sh: ala

LS: wht, fn xin, pr por, NS.
 Sh: gry, some brn

LS: wht-tan, fn-vfn xin, v dns. No vis por, NS, no od.
 Sh: dk gry trng gry

Sh: gry
 LS: wht-tan, fn xin, dns.

Sh: gry
 LS: wht-tan, fn xin, all dns w/ pr por.

Sh: Black Carb
 Sh: gry
Fort Scott 4227 (-2032)
 LS: wht, some tan-brn. Mostly vfn xin, few sml foss. Scat subxin rx, mostly vdns w/ no vis por, all NS.

Cherokee Sh 4244 (-2049)
 Sh: Black Carb
 Sh: gry
 LS: tan, fn xin, dns.

Sh: gry, brn
 Sh: gry, yel, brn, grn
Mississippi 4311 (-2116)
 Ch: wht-tan, mostly weath, dolomitic in prt. Some pp por and sml vugs, w/ fr-gd lt brn sat, fr-gd SFO. Fr amt fresh cht, some w/ edge & mbw str. Fr-gd od.
Osage 4326 (-2131)
 Ch: wht some weath rx ala. Trng mostly shp and fresh, few w/ weath edges. Some brn str on edge and mbw SFO, fr od.

Vis: 56
 DST #1
 4241-4319
 30-30-30-30
 I.F. - 3/4"
 F.F. - Dead
 I.F.P.: 26-30
 S.I.P.: 31-33
 H.P.: 823-712
 2176-2142
 Rec: 2
 20 SOCM (5% o)
 BHT: 113
 I.F. - 8"
 F.F. - 5"
 I.F.P.: 93-148
 S.I.P.: 1375-1374
 H.P.: 2208-2155
 Rec: 2807 MCWO (75%w, 20% w)
 50' OCW (75%w, 5%o)
 G: 28
 BHT: 127

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 T.G. C1 - C5