

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 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) (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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Form	ACO1 - Well Completion
Operator	US Oil Resources LLC
Well Name	BEOUGHER 13A-36-1329
Doc ID	1459936

All Electric Logs Run

Compensated Density/Neutron PE Log
Dual Induction Log
Micro Log
Caliper Log
Cement Bond Logs



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 56109
 LOCATION Oakley, KS
 FOREMAN Walt Dinkel

Please E-Mail
 to [unclear]

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
4-23-19		Beougher #13A-36-1329	36	13 ^s	29 ^w	Goove	
CUSTOMER		60ve		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS		6-South		731	Neil White		
CITY		East Side		70	Xavier Colby - Keld	Compton	
STATE		ZIP CODE		1098	Walt Dinkel		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 264' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 264' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 15 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Safety Meeting, Rig up on Duke #2, Circ casing on bottom
Mix 175 sks/m, 3% cc - 2% gal, Displace 15.5 BBL H2O, Shut in
Comout Did Circ
1 BBL to Pit

Thank You
 Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CC0471	1	PUMP CHARGE	1,150 ⁰⁰	1,150 ⁰⁰
CC0002	30	MILEAGE	7 ¹⁵	214 ⁵⁰
CC0711	8.23	Ton Mileage Delivery	1 ⁷⁵	660 ⁰⁰
CC5871	175 sks	Surface Blend II	24 ⁰⁰	4,200 ⁰⁰
				6,224 ⁵⁰
			Less 25% Disc	1,556 ¹³
				4,668 ²¹
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737

AUTHORIZATION Adam Q. Bl TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 55997
 LOCATION Oakley Ks.
 FOREMAN Cory Davis
Walt D.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-4-19		Beougher 13A-36-1329	36	135	29W	Gove
CUSTOMER						
MAILING ADDRESS						
CITY						
STATE		ZIP CODE				
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
US oil Resources			753	Cory D	703	Cory D.
500 Ks 5 barrels E into			772127	Xavier C	1098	Walt D.
			70	Matadi U		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4600 CASING SIZE & WEIGHT 5 1/2 15.5
 CASING DEPTH 4663 DRILL PIPE _____ TUBING _____ OTHER OV Tool at 2362
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL 1.42/1.89 WATER gal/sk _____ CEMENT LEFT in CASING 37.35
 DISPLACEMENT 1131 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting rig up on Duke 2. Run float equipment centralizers on 1-8, 10, 12, 14, 16, 18, 20
 Baskets on 8 and 10 before DV Tool and centralizer on same joint finish running casing pump ball
 through circ. for 1 hr. Hook up to pump truck mix 5 BBL H2O 500 gal mud flush 5 BBL water behind
 mix 230 thixoblend III (OWC) with 1150 lbs Kalseal shutdown wash pump + lines release plug and Displace
 113 BBL 50 H2O, 63 mud, final lift 1000, plug land at 4500 release drop dart open DV Tool circ. for
 3 hrs Hook up to pump truck mix 450 sks 60/40 Pazmix 8% gel 1/4 # Plo shutdown
 wash up pump + lines release plug Displace 56 BBL H2O re 500# Lardal Plus - Comment
 20 SKs in MH ~~30 SKs in MH~~ Did Circ, but lost Returns
 30 SKs in Riff
 Thank You Walt Displacing Plug
 Cory + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0453	1	PUMP CHARGE	2,800.00	2,800.00
CE0002	30	MILEAGE	7.15	214.50
CE0710	32.31	Ton Mileage Delivery	1.75	1,696.20
CC5862	230 sks	Thixoblend III	26.00	5,980.00
CC6077	1150 #	Kalseal	0.50	575.00
CC5831	500 SKS	light weight blend VII	17.50	8,750.00
CC6075	125 #	Flo Seal	3.00	375.00
CC6125	500 gal	Mud Flush	0.65	325.00
CP8485	1	Float Shoe AFU	585.00	585.00
CP8254	1	Latchdown Plug Asse.	400.00	400.00
CP8801	1	DV Tool	5,970.00	5,970.00
CP8556	15	Centralizers	81.00	1,215.00
CP8629	2	Baskets	385.00	770.00
			Subtotal	29,655.70
			25% Disc.	7,413.93
			Subtotal	22,241.77
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION Adam D. Bl... TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **US Oil Resources, LLC**

6727 W. Prentice Ave.
Lakewood, CO 80123

ATTN: Jim Musgrove

Beougher#13A-36-1329

36-13S-29W Gove, KS

Start Date: 2019.04.28 @ 21:24:29

End Date: 2019.04.29 @ 11:15:04

Job Ticket #: 65684 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.05.03 @ 11:17:41

US Oil Resources, LLC
36-13S-29W Gove, KS
Beougher#13A-36-1329
DST # 1
LKC "D"
2019.04.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources, LLC
 6727 W. Prentice Ave.
 Lakewood, CO 80123
 ATTN: Jim Musgrove

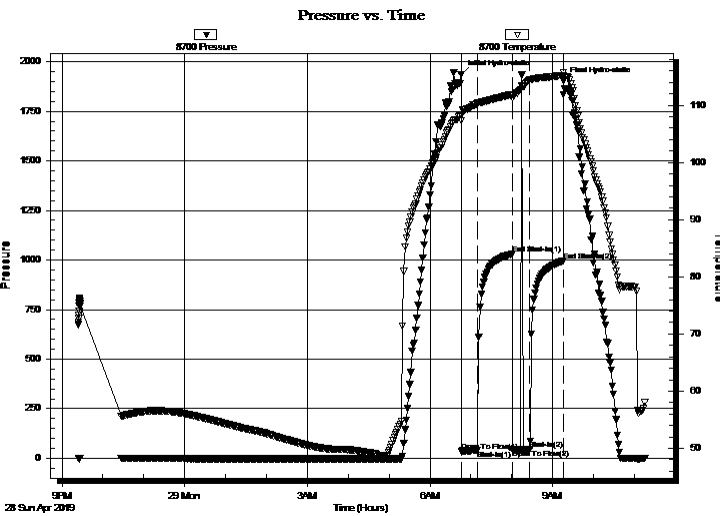
36-13S-29W Gove, KS
Beougher#13A-36-1329
 Job Ticket: 65684 **DST#: 1**
 Test Start: 2019.04.28 @ 21:24:29

GENERAL INFORMATION:

Formation: **LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:45:49
 Time Test Ended: 11:15:04
 Interval: **3982.00 ft (KB) To 4014.00 ft (KB) (TVD)**
 Total Depth: 4014.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2789.00 ft (KB)
 2779.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8700 Outside
 Press@RunDepth: 45.35 psig @ 3983.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.28 End Date: 2019.04.29 Last Calib.: 2019.04.29
 Start Time: 21:24:30 End Time: 11:15:04 Time On Btm: 2019.04.29 @ 06:45:34
 Time Off Btm: 2019.04.29 @ 09:15:34

TEST COMMENT: 30- IF- Slowly built to 0.91"
 45- IS- No blow
 30- FF- No blow . Flushed tool. Did surge. No blow
 45- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.88	108.23	Initial Hydro-static
1	36.05	107.30	Open To Flow (1)
25	39.64	110.36	Shut-In(1)
76	1030.89	111.89	End Shut-In(1)
76	42.98	111.38	Open To Flow (2)
101	45.35	114.44	Shut-In(2)
150	994.71	115.21	End Shut-In(2)
150	1901.93	115.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M	0.85

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

Job Ticket: 65684

DST#: 1

ATTN: Jim Musgrove

Test Start: 2019.04.28 @ 21:24:29

Tool Information

Drill Pipe:	Length: 3972.00 ft	Diameter: 3.82 inches	Volume: 56.30 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: 79000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3982.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	60.00 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			3955.00	
Shut In Tool	5.00			3960.00	
Hydraulic tool	5.00			3965.00	
Jars	5.00			3970.00	
Safety Joint	3.00			3973.00	
Packer	5.00			3978.00	28.00 Bottom Of Top Packer
Packer	4.00			3982.00	
Stubb	1.00			3983.00	
Recorder	0.00	6771	Inside	3983.00	
Recorder	0.00	8700	Outside	3983.00	
Perforations	28.00			4011.00	
Bullnose	3.00			4014.00	32.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

Job Ticket: 65684

DST#: 1

ATTN: Jim Musgrove

Test Start: 2019.04.28 @ 21:24:29

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:

bbbl

Water Loss: 7.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	M	0.851

Total Length: 60.00 ft Total Volume: 0.851 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

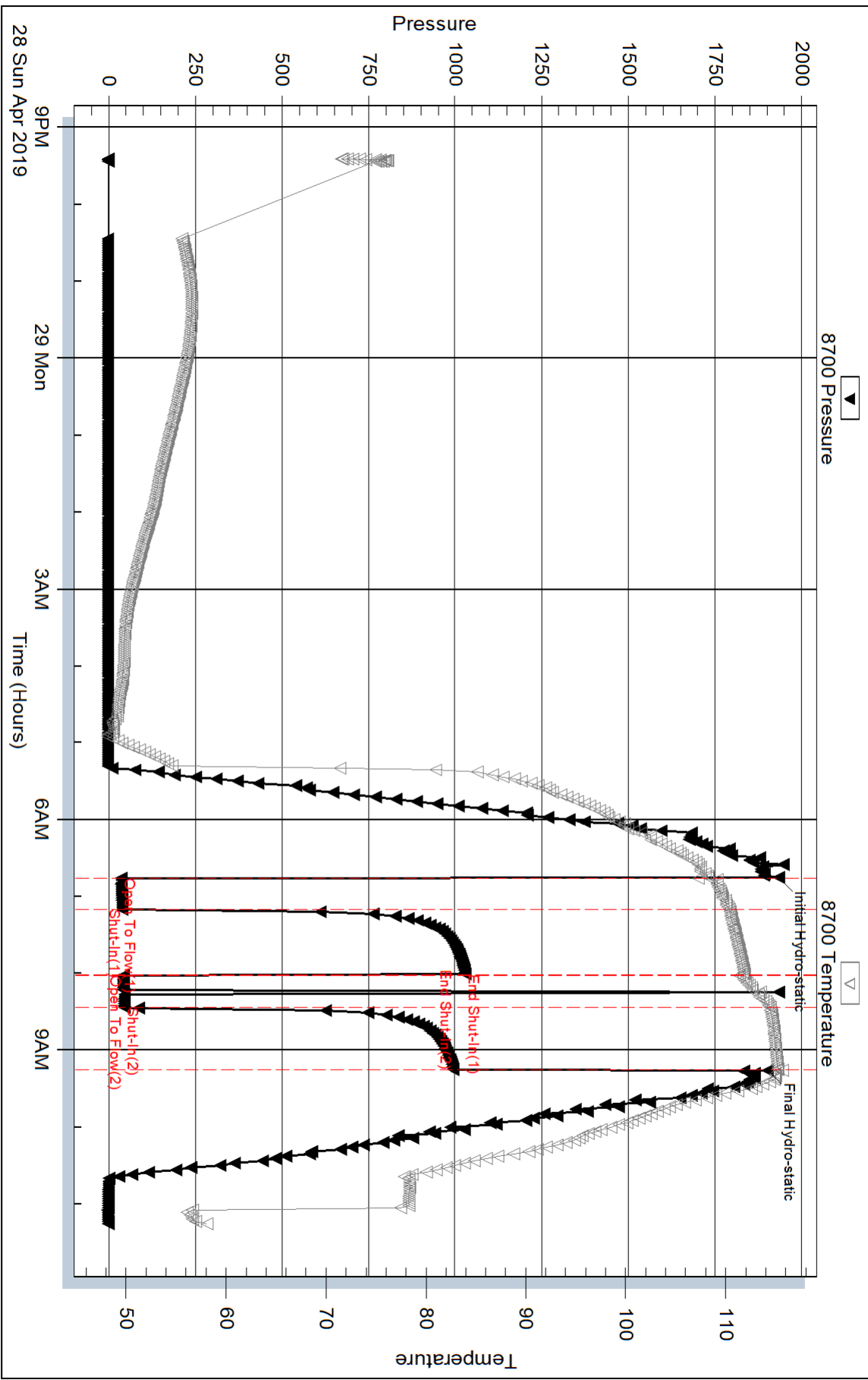
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 6771

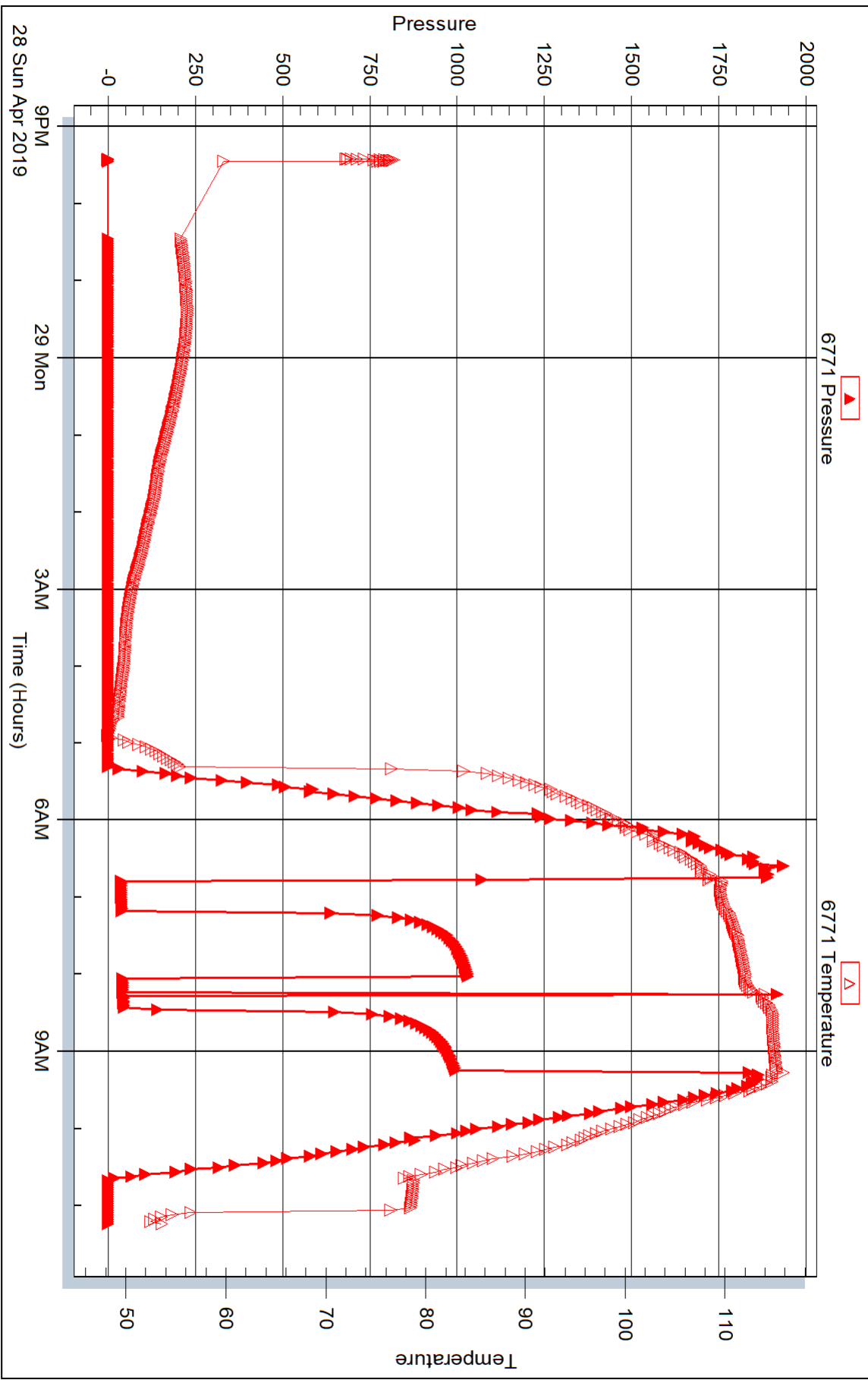
Inside

US Oil Resources, LLC

Beougher#13A-36-1329

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 65684

Printed: 2019.05.03 @ 11:17:43



DRILL STEM TEST REPORT

Prepared For: **US Oil Resources, LLC**

6727 W. Prentice Ave.
Lakewood, CO 80123

ATTN: Jim Musgrove

Beougher#13A-36-1329

36-13S-29W Gove, KS

Start Date: 2019.04.30 @ 03:35:33

End Date: 2019.04.30 @ 11:36:54

Job Ticket #: 65685 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.05.03 @ 11:17:09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources, LLC
 6727 W. Prentice Ave.
 Lakewood, CO 80123
 ATTN: Jim Musgrove

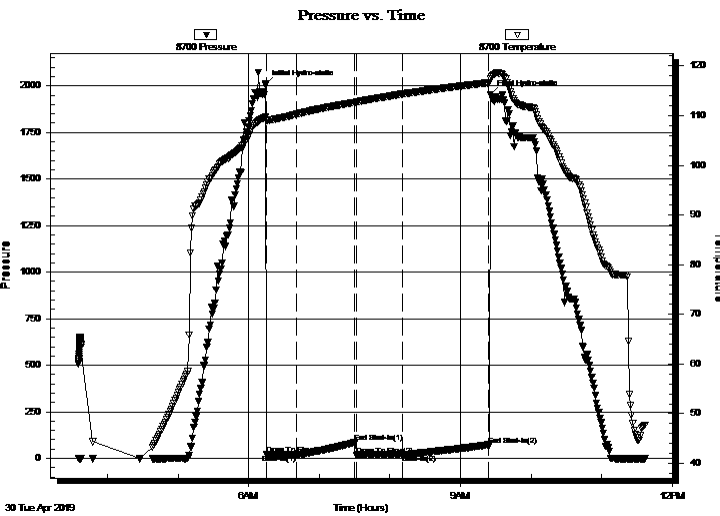
36-13S-29W Gove, KS
Beougher#13A-36-1329
 Job Ticket: 65685 **DST#: 2**
 Test Start: 2019.04.30 @ 03:35:33

GENERAL INFORMATION:

Formation: **LKC "G - H"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 06:14:54 Tester: Brannan Lonsdale
 Time Test Ended: 11:36:54 Unit No: 73
 Interval: **4066.00 ft (KB) To 4138.00 ft (KB) (TVD)** Reference Elevations: 2789.00 ft (KB)
 Total Depth: 4138.00 ft (KB) (TVD) 2779.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8700 Outside
 Press@RunDepth: 21.43 psig @ 4067.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.30 End Date: 2019.04.30 Last Calib.: 2019.04.30
 Start Time: 03:35:34 End Time: 11:36:54 Time On Btm: 2019.04.30 @ 06:14:39
 Time Off Btm: 2019.04.30 @ 09:25:24

TEST COMMENT: 30- IF- Slowly built to 2.11"
 45- IS- No blow
 45- FF- Slowly built to 1.67"
 60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.55	109.68	Initial Hydro-static
1	21.58	108.98	Open To Flow (1)
26	20.03	110.25	Shut-In(1)
76	85.52	112.65	End Shut-In(1)
77	18.53	112.74	Open To Flow (2)
116	21.43	114.31	Shut-In(2)
190	73.47	116.59	End Shut-In(2)
191	1954.39	117.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSM	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

Job Ticket: 65685

DST#: 2

ATTN: Jim Musgrove

Test Start: 2019.04.30 @ 03:35:33

Tool Information

Drill Pipe:	Length: 4065.00 ft	Diameter: 3.82 inches	Volume: 57.62 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: 63000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4066.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	100.00 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			4039.00	
Shut In Tool	5.00			4044.00	
Hydraulic tool	5.00			4049.00	
Jars	5.00			4054.00	
Safety Joint	3.00			4057.00	
Packer	5.00			4062.00	28.00 Bottom Of Top Packer
Packer	4.00			4066.00	
Stubb	1.00			4067.00	
Recorder	0.00	6771	Inside	4067.00	
Recorder	0.00	8700	Outside	4067.00	
Perforations	4.00			4071.00	
Change Over Sub	1.00			4072.00	
Drill Pipe	62.00			4134.00	
Change Over Sub	1.00			4135.00	
Bullnose	3.00			4138.00	72.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

Job Ticket: 65685

DST#: 2

ATTN: Jim Musgrove

Test Start: 2019.04.30 @ 03:35:33

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OSM	0.284

Total Length: 20.00 ft Total Volume: 0.284 bbl

Num Fluid Samples: 0

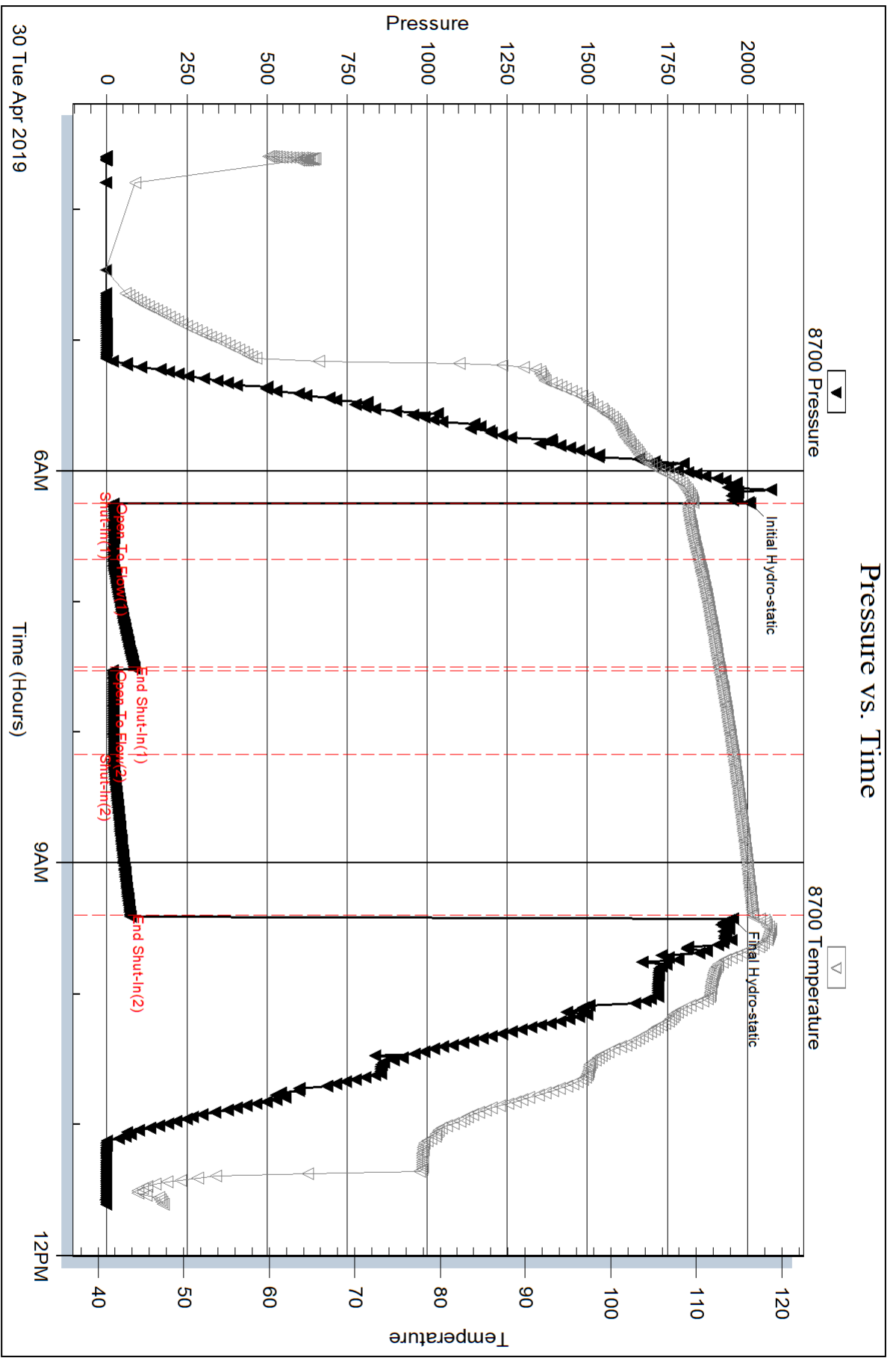
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



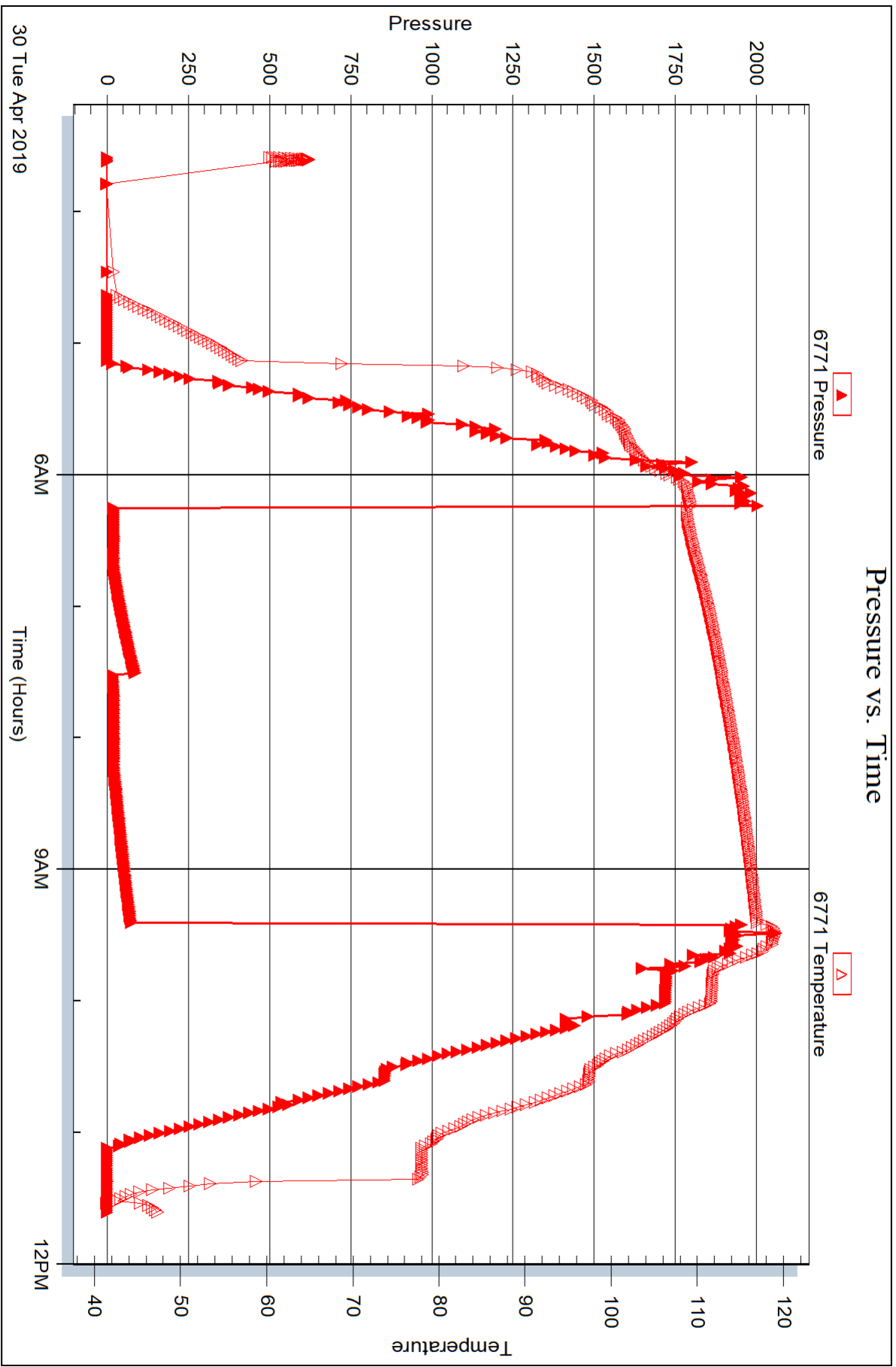
Serial #: 6771

Inside

US Oil Resources, LLC

Beougher#13A-36-1329

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **US Oil Resources, LLC**

6727 W. Prentice Ave.
Lakewood, CO 80123

ATTN: Jim Musgrove

Beougher#13A-36-1329

36-13S-29W Gove, KS

Start Date: 2019.04.30 @ 22:28:45

End Date: 2019.05.01 @ 05:37:36

Job Ticket #: 65686 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.05.03 @ 11:14:05

US Oil Resources, LLC
36-13S-29W Gove, KS
Beougher#13A-36-1329
DST # 3
LKC "J"
2019.04.30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources, LLC
 6727 W. Prentice Ave.
 Lakewood, CO 80123
 ATTN: Jim Musgrove

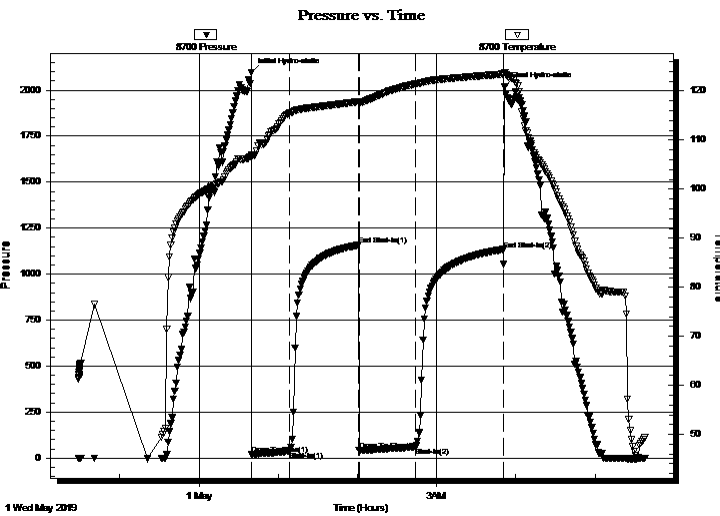
36-13S-29W Gove, KS
Beougher#13A-36-1329
 Job Ticket: 65686 **DST#: 3**
 Test Start: 2019.04.30 @ 22:28:45

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:39:51 Tester: Brannan Lonsdale
 Time Test Ended: 05:37:36 Unit No: 73
 Interval: **4171.00 ft (KB) To 4190.00 ft (KB) (TVD)** Reference Elevations: 2789.00 ft (KB)
 Total Depth: 4190.00 ft (KB) (TVD) 2779.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8700 Outside
 Press@RunDepth: 61.27 psig @ 4172.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.04.30 End Date: 2019.05.01 Last Calib.: 2019.05.01
 Start Time: 22:28:46 End Time: 05:37:36 Time On Btm: 2019.05.01 @ 00:39:36
 Time Off Btm: 2019.05.01 @ 03:51:36

TEST COMMENT: 30- IF- Slowly built to 5.05"
 45- IS- No blow
 45- FF- Slowly built to 4.38"
 60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.19	106.92	Initial Hydro-static
1	20.43	106.35	Open To Flow (1)
29	36.36	115.54	Shut-In(1)
81	1158.09	117.82	End Shut-In(1)
82	41.03	117.41	Open To Flow (2)
125	61.27	121.48	Shut-In(2)
191	1134.12	123.46	End Shut-In(2)
192	2020.98	123.81	Final Hydro-static

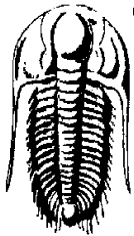
Recovery

Length (ft)	Description	Volume (bbl)
100.00	MW, 20%M 80%W	1.42
1.00	CO	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources, LLC

6727 W. Prentice Ave.
Lakewood, CO 80123

ATTN: Jim Musgrove

36-13S-29W Gove, KS

Beougher#13A-36-1329

Job Ticket: 65686

DST#: 3

Test Start: 2019.04.30 @ 22:28:45

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:39:51

Time Test Ended: 05:37:36

Interval: **4171.00 ft (KB) To 4190.00 ft (KB) (TVD)**

Total Depth: 4190.00 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: 2789.00 ft (KB)

2779.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771

Inside

Press@RunDepth: psig @ 4172.00 ft (KB)

Start Date: 2019.04.30

End Date:

2019.05.01

Start Time: 22:29:09

End Time:

05:37:44

Capacity: 8000.00 psig

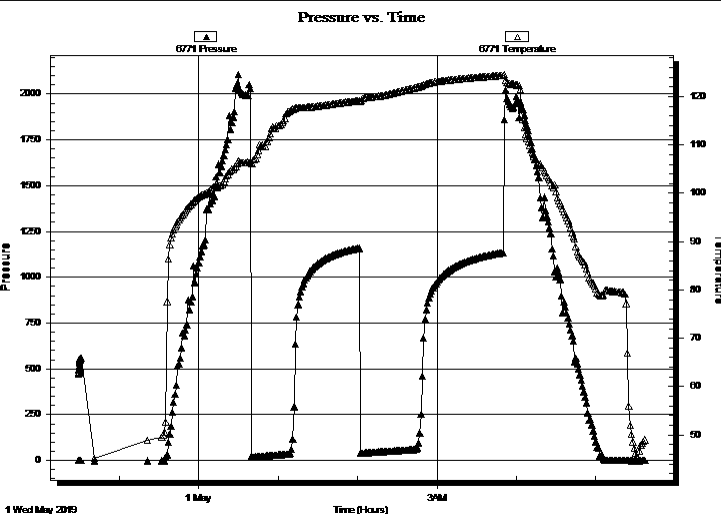
Last Calib.:

2019.05.01

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Slow ly built to 5.05"
45- IS- No blow
45- FF- Slow ly built to 4.38"
60- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
100.00	MW, 20%M 80%W	1.42
1.00	CO	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

ATTN: Jim Musgrove

Job Ticket: 65686

DST#: 3

Test Start: 2019.04.30 @ 22:28:45

Tool Information

Drill Pipe:	Length: 4159.00 ft	Diameter: 3.82 inches	Volume: 58.96 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:	16.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4171.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 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			4144.00	
Shut In Tool	5.00			4149.00	
Hydraulic tool	5.00			4154.00	
Jars	5.00			4159.00	
Safety Joint	3.00			4162.00	
Packer	5.00			4167.00	28.00 Bottom Of Top Packer
Packer	4.00			4171.00	
Stubb	1.00			4172.00	
Recorder	0.00	6771	Inside	4172.00	
Recorder	0.00	8700	Outside	4172.00	
Perforations	15.00			4187.00	
Bullnose	3.00			4190.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

Job Ticket: 65686

DST#: 3

ATTN: Jim Musgrove

Test Start: 2019.04.30 @ 22:28:45

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:

52000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	MW, 20%M 80%W	1.418
1.00	CO	0.014

Total Length: 101.00 ft Total Volume: 1.432 bbl

Num Fluid Samples: 0

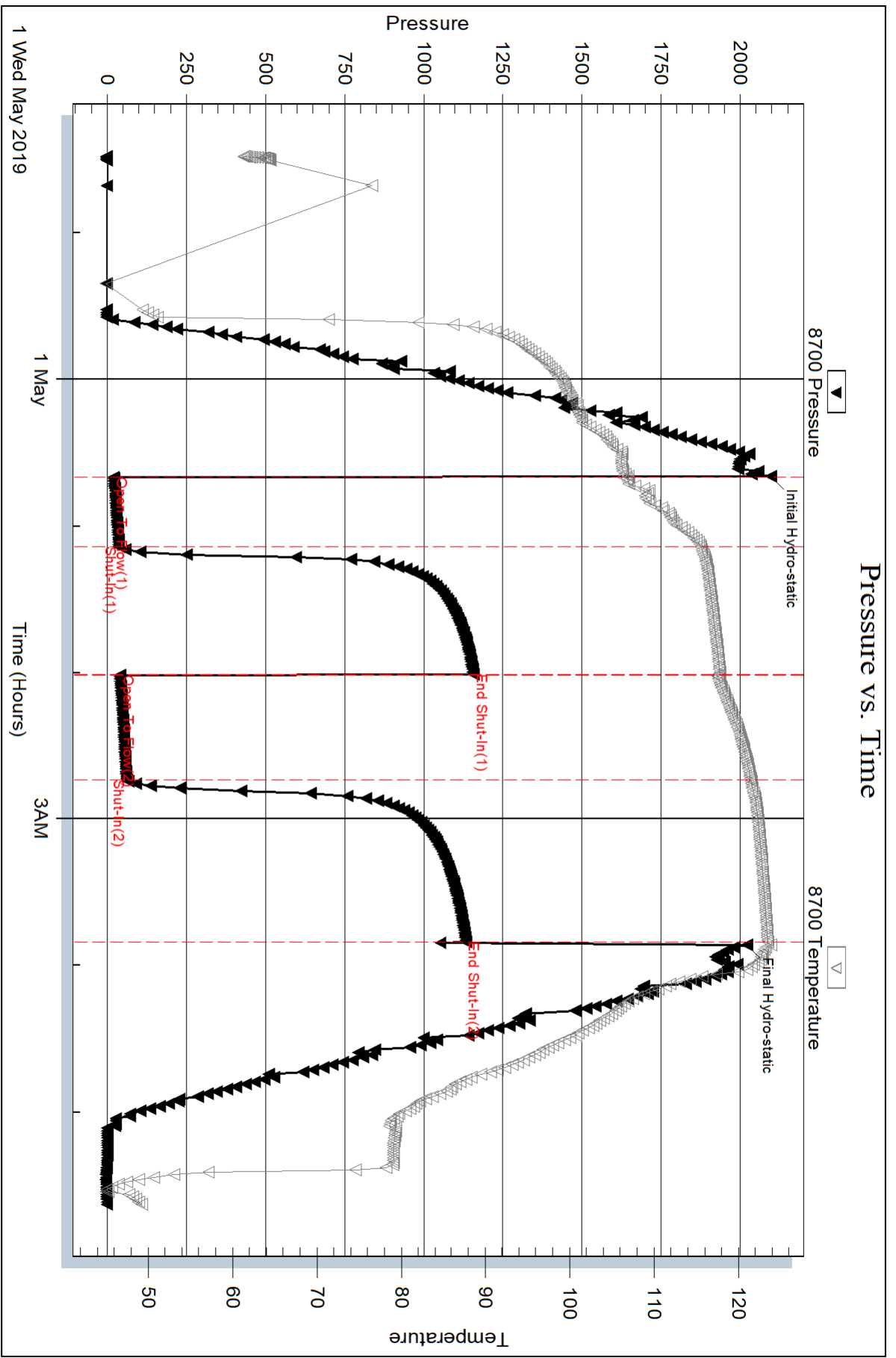
Num Gas Bombs: 0

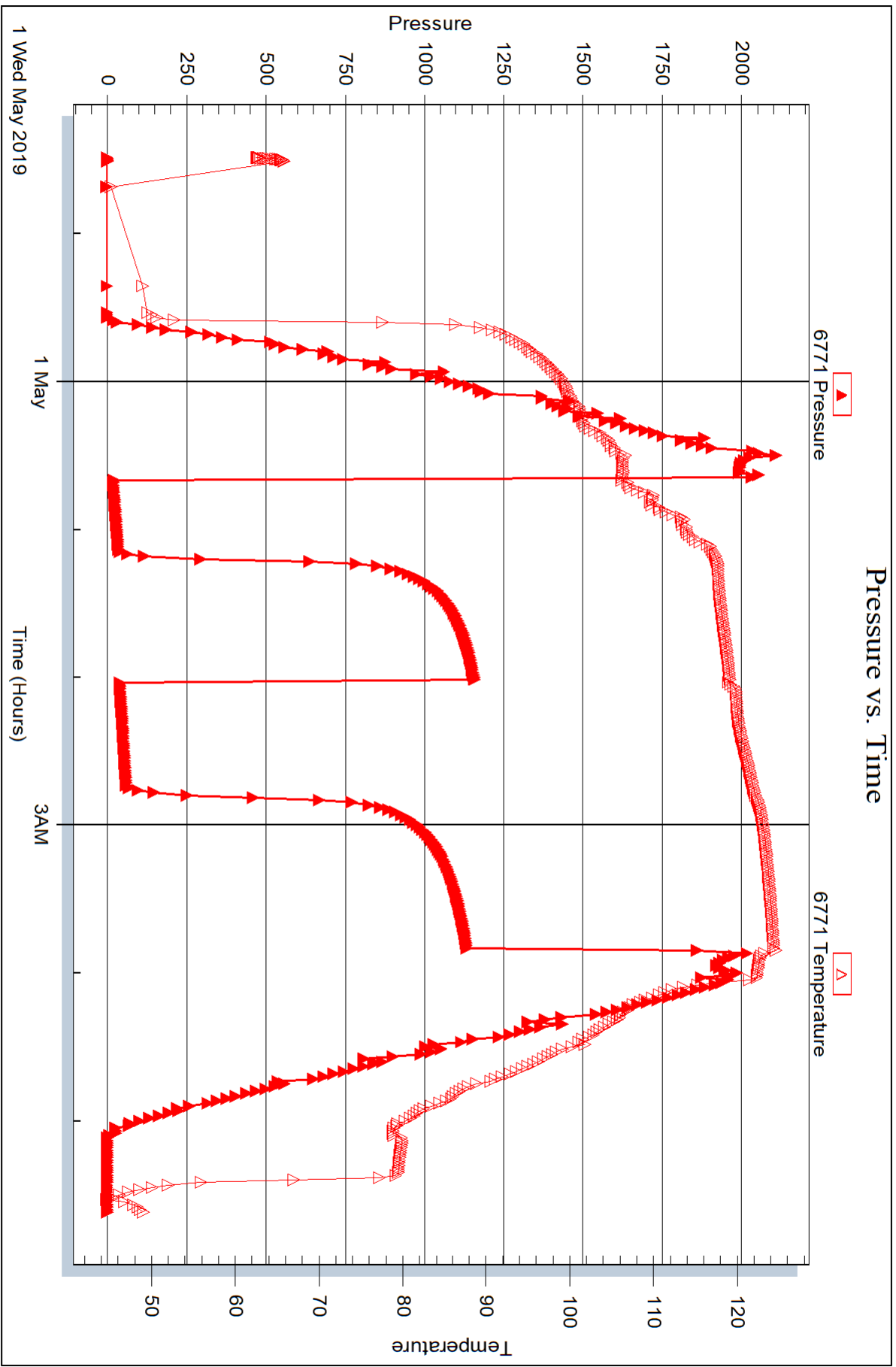
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .17@53deg







DRILL STEM TEST REPORT

Prepared For: **US Oil Resources, LLC**

6727 W. Prentice Ave.
Lakewood, CO 80123

ATTN: Jim Musgrove

Beougher#13A-36-1329

36-13S-29W Gove, KS

Start Date: 2019.05.02 @ 15:40:59

End Date: 2019.05.03 @ 01:04:34

Job Ticket #: 65687 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.05.03 @ 11:13:37

US Oil Resources, LLC
36-13S-29W Gove, KS
Beougher#13A-36-1329
DST # 4
Miss
2019.05.02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

US Oil Resources, LLC

6727 W. Prentice Ave.
Lakewood, CO 80123

ATTN: Jim Musgrove

36-13S-29W Gove, KS

Beougher#13A-36-1329

Job Ticket: 65687

DST#: 4

Test Start: 2019.05.02 @ 15:40:59

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:47:50

Time Test Ended: 01:04:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4484.00 ft (KB) To 4528.00 ft (KB) (TVD)

Total Depth: 4528.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2789.00 ft (KB)

2779.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771 Inside

Press@RunDepth: 180.30 psig @ 4485.00 ft (KB)

Start Date: 2019.05.02

End Date: 2019.05.03

Start Time: 15:41:00

End Time: 01:04:34

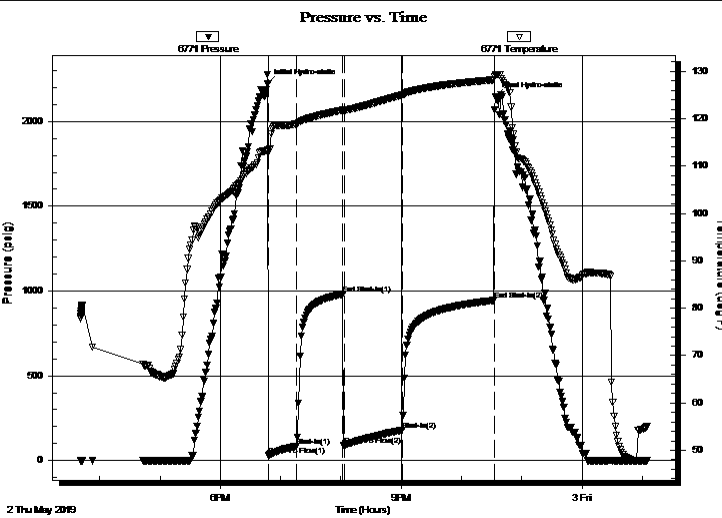
Capacity: 8000.00 psig

Last Calib.: 2019.05.03

Time On Btm: 2019.05.02 @ 18:47:20

Time Off Btm: 2019.05.02 @ 22:33:50

TEST COMMENT: 30- IF- BOB 8 mins. Built to 34.57"
45- IS- Built to 0.93"
60- FF- BOB 6 mins. Built to 73.52"
90- FSI- Built to 5.77" in 16 mins then slowly died back to 4.09"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.61	113.35	Initial Hydro-static
1	29.10	112.90	Open To Flow (1)
29	85.90	118.91	Shut-In(1)
75	981.27	121.78	End Shut-In(1)
76	90.72	121.74	Open To Flow (2)
134	180.30	124.98	Shut-In(2)
225	944.85	128.20	End Shut-In(2)
227	2146.69	129.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	VGMCO, 45%G 20%M 35%O	3.54
180.00	CVGO, 55%G 45%O	2.55
0.00	880' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

ATTN: Jim Musgrove

Job Ticket: 65687

DST#: 4

Test Start: 2019.05.02 @ 15:40:59

Tool Information

Drill Pipe:	Length: 4471.00 ft	Diameter: 3.82 inches	Volume: 63.38 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: 64000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4484.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	72.00 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			4457.00	
Shut In Tool	5.00			4462.00	
Hydraulic tool	5.00			4467.00	
Jars	5.00			4472.00	
Safety Joint	3.00			4475.00	
Packer	5.00			4480.00	28.00 Bottom Of Top Packer
Packer	4.00			4484.00	
Stubb	1.00			4485.00	
Recorder	0.00	6771	Inside	4485.00	
Recorder	0.00	8700	Outside	4485.00	
Perforations	7.00			4492.00	
Change Over Sub	1.00			4493.00	
Drill Pipe	31.00			4524.00	
Change Over Sub	1.00			4525.00	
Bullnose	3.00			4528.00	44.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

US Oil Resources, LLC

36-13S-29W Gove, KS

6727 W. Prentice Ave.
Lakewood, CO 80123

Beougher#13A-36-1329

Job Ticket: 65687

DST#: 4

ATTN: Jim Musgrove

Test Start: 2019.05.02 @ 15:40:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	VGMCO, 45%G 20%M 35%O	3.544
180.00	CVGO, 55%G 45%O	2.552
0.00	880' GIP	0.000

Total Length: 430.00 ft

Total Volume: 6.096 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

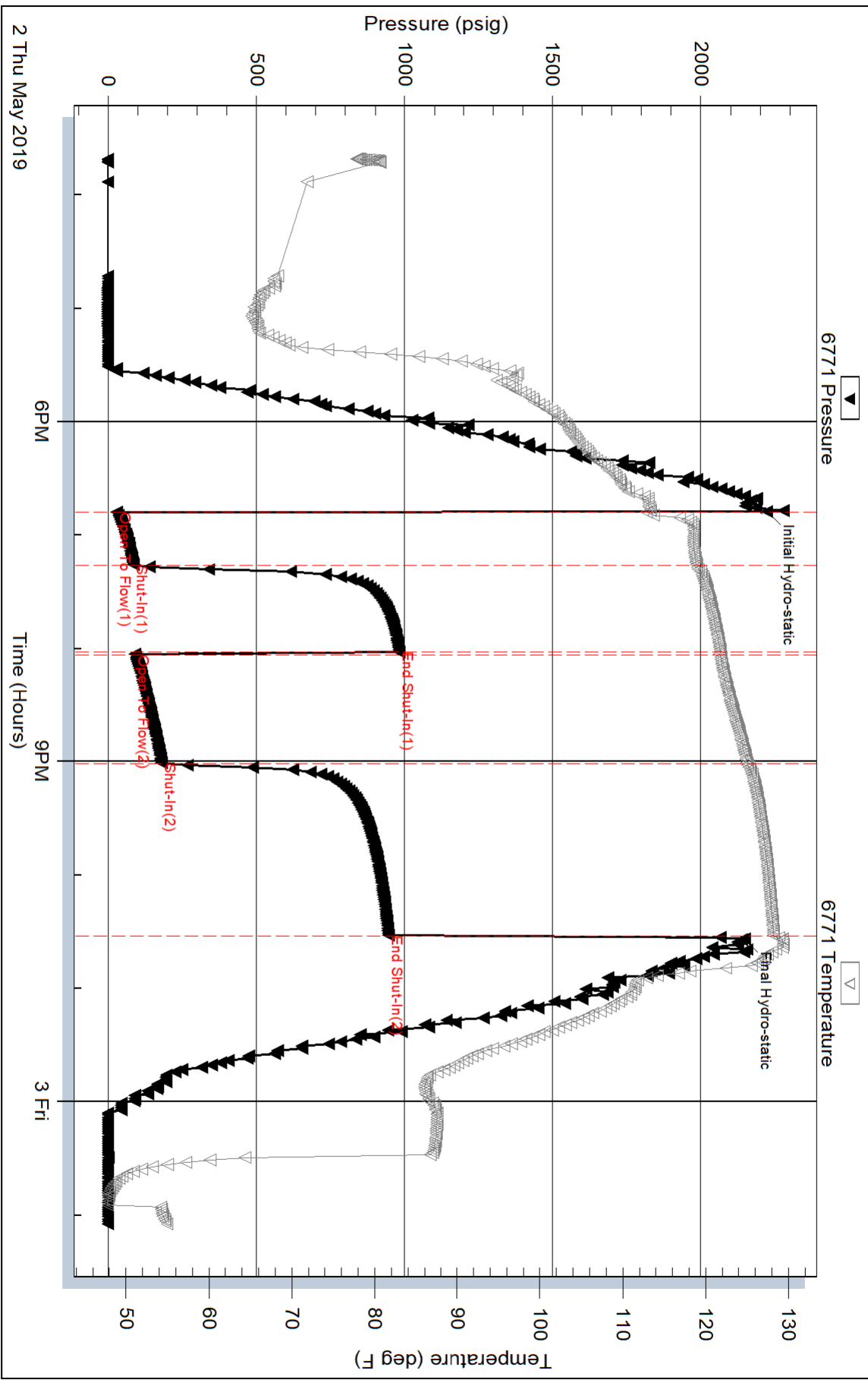
Serial #:

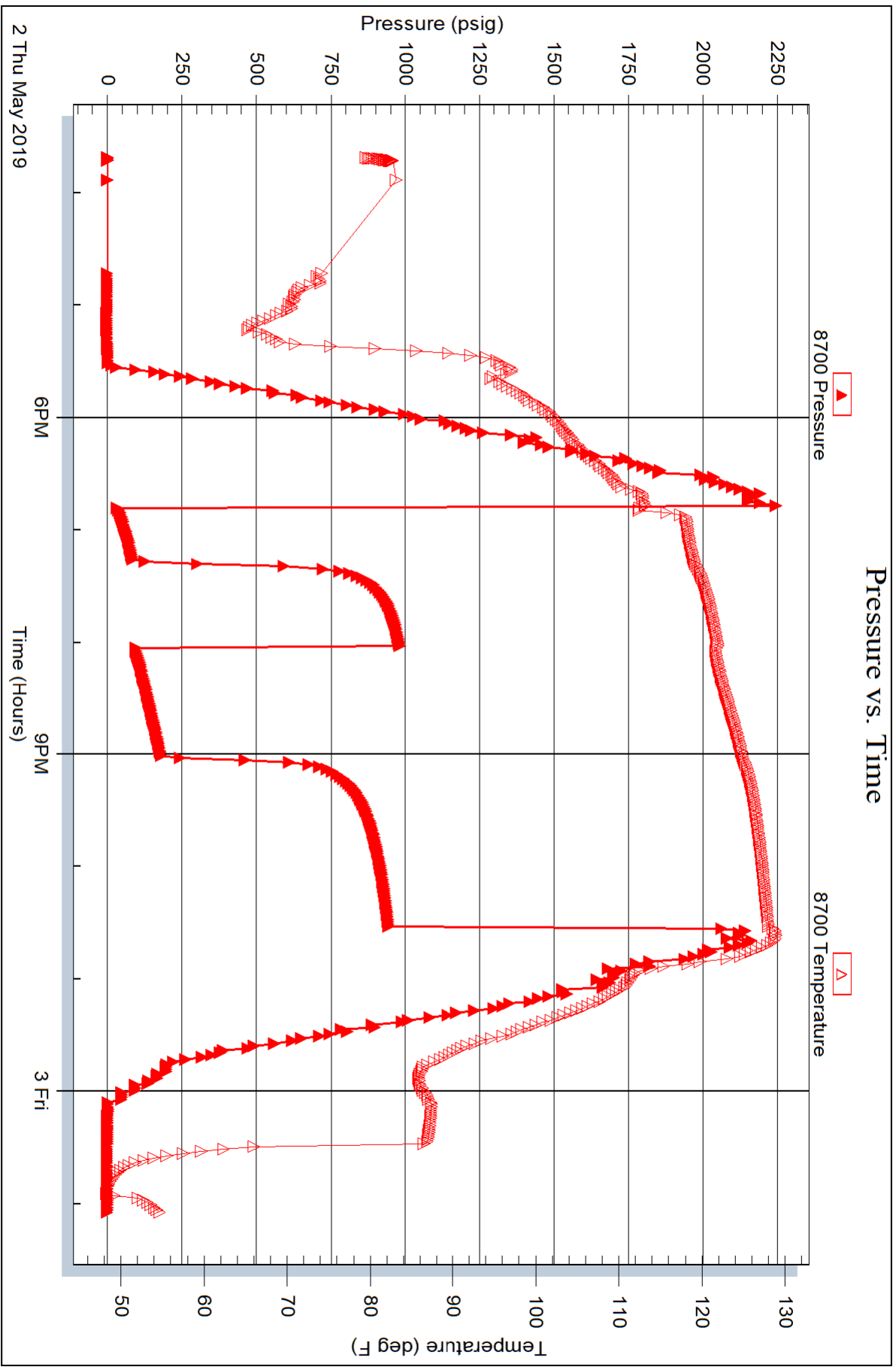
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65684**

Well Name & No. Beaugar #13A-36-1329 Test No. 1 Date 4/29/19
 Company U.S. Oil Resources, LLC Elevation 2789 KB 2779 GL
 Address 6727 W. Prantice Ave. Lakewood, CO 80123
 Co. Rep / Geo. Tom Musgrave Rig Duke 2
 Location: Sec. 36 Twp 13 S Rge. 29 W Co. _____ Cone State KS

Interval Tested 3982-4014 Zone Tested LKC "D"
 Anchor Length 32' Drill Pipe Run 3972 Mud Wt. 8.9
 Top Packer Depth 3977 Drill Collars Run _____ Vis 55
 Bottom Packer Depth 3982 Wt. Pipe Run _____ WL 7.8
 Total Depth 4014 Chlorides 1300 ppm System LCM 2nd
 Blow Description IF - slowly built to 0.91"
ISF - No blow
FF - No blow. Flushed cool. Did surge. No blow
FST - No blow

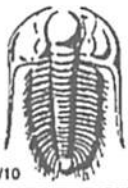
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 115° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1934</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>2055</u>
(B) First Initial Flow <u>36</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2124</u>
(C) First Final Flow <u>40</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0642</u>
(D) Initial Shut-In <u>1031</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0912</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1115</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>162 RT</u> 96rt + 62	Comments <u>2nd short trip needed. Back @ 0430</u>
(G) Final Shut-In <u>995</u>	<input type="checkbox"/> Sampler _____	<u>62 RT to motel</u>
(H) Final Hydrostatic <u>1902</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> EM Tool _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1783</u>
	Sub Total <u>1783</u>	MP/DST Disc't _____

Approved By _____ Our Representative Branham 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. **65685**

Well Name & No. Beaucher #13A-36-1329 Test No. 2 Date 4/30/19
 Company U.S. Oil Resources, LLC Elevation 2789 KB 2779 GL
 Address 6727 W Prentice Ave. Lakewood, CO 80123
 Co. Rep / Geo. Jim Musgrove Rig Duke 2
 Location: Sec. 36 Twp 13 S Rge. 29 W Co. Ave State KS

Interval Tested 4066-4138 Zone Tested LKC "H+G"
 Anchor Length 72' Drill Pipe Run 4065 Mud Wt. 8.9
 Top Packer Depth 4061 Drill Collars Run Vis 46
 Bottom Packer Depth 4066 Wt. Pipe Run WL 8.0
 Total Depth 4138 Chlorides 1800 ppm System LCM 1#
 Blow Description IF - slowly built to 2.11"
FSI - No Blow
EF - slowly built to 1.67"
FSI - No Blow

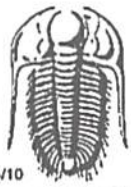
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>85M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20' BHT 117° Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic <u>2009</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>0315</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0335</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0614</u>
(D) Initial Shut-In <u>86</u>	<input type="checkbox"/> Circ Sub <u> </u>	T-Pulled <u>0914</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby <u> </u>	T-Out <u>1137</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>162 RT</u> 96	Comments <u> </u>
(G) Final Shut-In <u>73</u>	<input type="checkbox"/> Sampler <u> </u>	<u> </u>
(H) Final Hydrostatic <u>1954</u>	<input type="checkbox"/> Straddle <u> </u>	<input type="checkbox"/> EM Tool <u> </u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u> </u>	<input type="checkbox"/> Ruined Shale Packer <u> </u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u> </u>	<input type="checkbox"/> Ruined Packer <u> </u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u> </u>	<input type="checkbox"/> Extra Copies <u> </u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby <u> </u>	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility <u> </u>	Total <u>1721</u>
	Sub Total <u>1721</u>	MP/DST Disc't <u> </u>

Approved By _____ Our Representative Brannon 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. **65686**

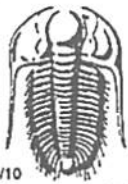
Well Name & No. Beaucher # 13A-36-1329 Test No. 3 Date 4/30/19
 Company U.S. Oil Resources, LLC Elevation 2789 KB 2779 GL
 Address 6727 W. Prentice Ave. Lakewood CO 80123
 Co. Rep / Geo. Jim Musgrove Rig Ruke 2
 Location: Sec. 36 Twp 13 S Rge. 29 W Co. Cove State KS

Interval Tested 4171-4190 Zone Tested LKC "J"
 Anchor Length 19' Drill Pipe Run 4159 Mud Wt. 8.9
 Top Packer Depth 4166 Drill Collars Run --- Vis 57
 Bottom Packer Depth 4171 Wt. Pipe Run --- WL 72
 Total Depth 4190 Chlorides 1600 ppm System LCM 2nd
 Blow Description IF - Slowly built to 5.05"
ISF - No blow
PF - Slowly built to 4.38"
PSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>MW</u>			<u>80</u>	<u>20</u>
<u>1</u>	<u>CO</u>				

Rec Total 101' BHT 124° Gravity _____ API RW .17 @ 53° F Chlorides 52,000 ppm
 (A) Initial Hydrostatic 2096 Test 1300 T-On Location 2210
 (B) First Initial Flow 20 Jars 250 T-Started 2228
 (C) First Final Flow 36 Safety Joint 75 T-Open 7/1 0038
 (D) Initial Shut-In 1158 Circ Sub _____ T-Pulled 0838
 (E) Second Initial Flow 41 Hourly Standby _____ T-Out 0537
 (F) Second Final Flow 61 Mileage 162 RT 96 Comments _____
 (G) Final Shut-In 1134 Sampler _____
 (H) Final Hydrostatic 2021 Straddle _____
 EM Tool _____
 Shale Packer _____
 Ruined Shale Packer _____
 Extra Packer _____
 Ruined Packer _____
 Extra Recorder _____
 Extra Copies _____
 Day Standby _____
 Accessibility _____
 Sub Total 1721 Sub Total 1721 MP/DST, Disc't _____
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative Brian 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. **65687**

Well Name & No. Deouder #3A-36-1329 Test No. 4 Date 5/2/19
 Company U.S. Oil Resources, LLC Elevation 2789 KB 2779 GL
 Address 6727 W. Prentice Ave. Lakewood CO 80123
 Co. Rep / Geo. Jim Musgrove Rig Duke 2
 Location: Sec. 36 Twp 13 S Rge. 29 W Co. Cove State KS

Interval Tested 4484-4528 Zone Tested MISS
 Anchor Length 44' Drill Pipe Run 4471 Mud Wt. 9.2
 Top Packer Depth 4479 Drill Collars Run --- Vls 56
 Bottom Packer Depth 4484 Wt. Pipe Run --- WL 7.6
 Total Depth 4528 Chlorides 1600 ppm System LCM 1#

Blow Description IF-BOB 8 mins. Built to 34.57"
ISF- Built to 0.93"
FF-BOB 6 mins. Built to 73.52"
FSF- Built to 3.77" in 16 mins then slowly died back to 4.09"

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>VGMCO</u>	<u>45%</u>	<u>35%</u>	<u>20%</u>	<u>0%</u>
<u>180</u>	<u>VGCO</u>	<u>55%</u>	<u>45%</u>	<u>0%</u>	<u>0%</u>
<u>---</u>	<u>880' GTP</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Rec Total 430' BHT 128° Gravity 36 API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2223</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>1515</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1541</u>
(C) First Final Flow <u>86</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1847</u>
(D) Initial Shut-In <u>981</u>	<input type="checkbox"/> Circ Sub <u>---</u>	T-Pulled <u>2232</u>
(E) Second Initial Flow <u>91</u>	<input type="checkbox"/> Hourly Standby <u>---</u>	T-Out <u>5/3</u> <u>0105</u>
(F) Second Final Flow <u>180</u>	<input checked="" type="checkbox"/> Mileage <u>162 RT</u> 96	Comments <u>---</u>
(G) Final Shut-In <u>945</u>	<input type="checkbox"/> Sampler <u>---</u>	<u>---</u>
(H) Final Hydrostatic <u>2147</u>	<input type="checkbox"/> Straddle <u>---</u>	<input type="checkbox"/> EM Tool <u>---</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u>---</u>	<input type="checkbox"/> Ruined Shale Packer <u>---</u>
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer <u>---</u>	<input type="checkbox"/> Ruined Packer <u>---</u>
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder <u>---</u>	<input type="checkbox"/> Extra Copies <u>---</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby <u>---</u>	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility <u>---</u>	Total <u>1721</u>
	Sub Total <u>1721</u>	MP/DST Disc't <u>---</u>

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Musgrove

Petroleum Geology
212 Main Street, Claflin KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY US Oil Resources, LLC.
 LEASE Beougher 13A-36-1329
 FIELD Hoffsmith East
 LOCATION NW-NE-SW-SW ('FSL&FEL)
 SEC 36 TWSP 13S RGE 29W
 COUNTY Gove STATE Kansas

ELEVATIONS

KB 2787'
 DF _____
 GL 2779'
 Measurements Are All
 From KB

CONTRACTOR Duke Drilling, Inc. (Rig # 2)
 SPUD 04/23 /2019 COMP 05/04/2019
 RTD 4670' LTD 4670'
 MUD UP 3400' TYPE MUD Chemical

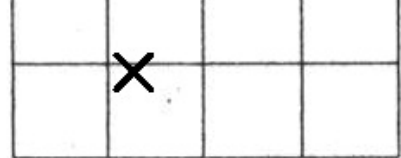
CASING
 SURFACE 8 5/8"@ 264'
 PRODUCTION 5 1/2"@ 4669'

ELECTRICAL SURVEYS
 By ELI;
 CDL/CNL, Sonic, MEL, DIL

SAMPLES SAVED FROM _____ 3500' TO _____ RTD
 DRILLING TIME KEPT FROM _____ 3500' TO _____ RTD
 SAMPLES EXAMINED FROM _____ 3500' TO _____ RTD
 GEOLOGICAL SUPERVISION FROM 3540' TO _____ RTD
 GEOLOGIST ON WELL Wyatt Urban (3500'-4014') & Jim Musgrove (4014-RTD)

FORMATION TOPS	LOG		SAMPLES	
Anhydrite	2244	+543	Ft. Scott	4404 (-1617)
B. Anhydrite	2277	+ 510	Cherokee Sh	4434 (-1647)
Heebner	3881	-1094	Johnson	4777 (-1690)
Toronto	3898	-1110	Conglomerate	4899 (-1702)
Lansing	3914	-1127	Miss. "Spergen"	4514 (-1727)
Stark	4157	-1370	Miss "Warsaw"	4558 (-1771)

BKC	4231	-1444	Miss. "Osage"	4586 (-1799)
Marmaton	4257	-1470	Miss "Gilmore City"	4639 (-1852)
Pawnee	4319	-1532	RTD	4670 (-1883)
Myric Station	4374	-1587	LTD	4670 (-1883)



LEGEND

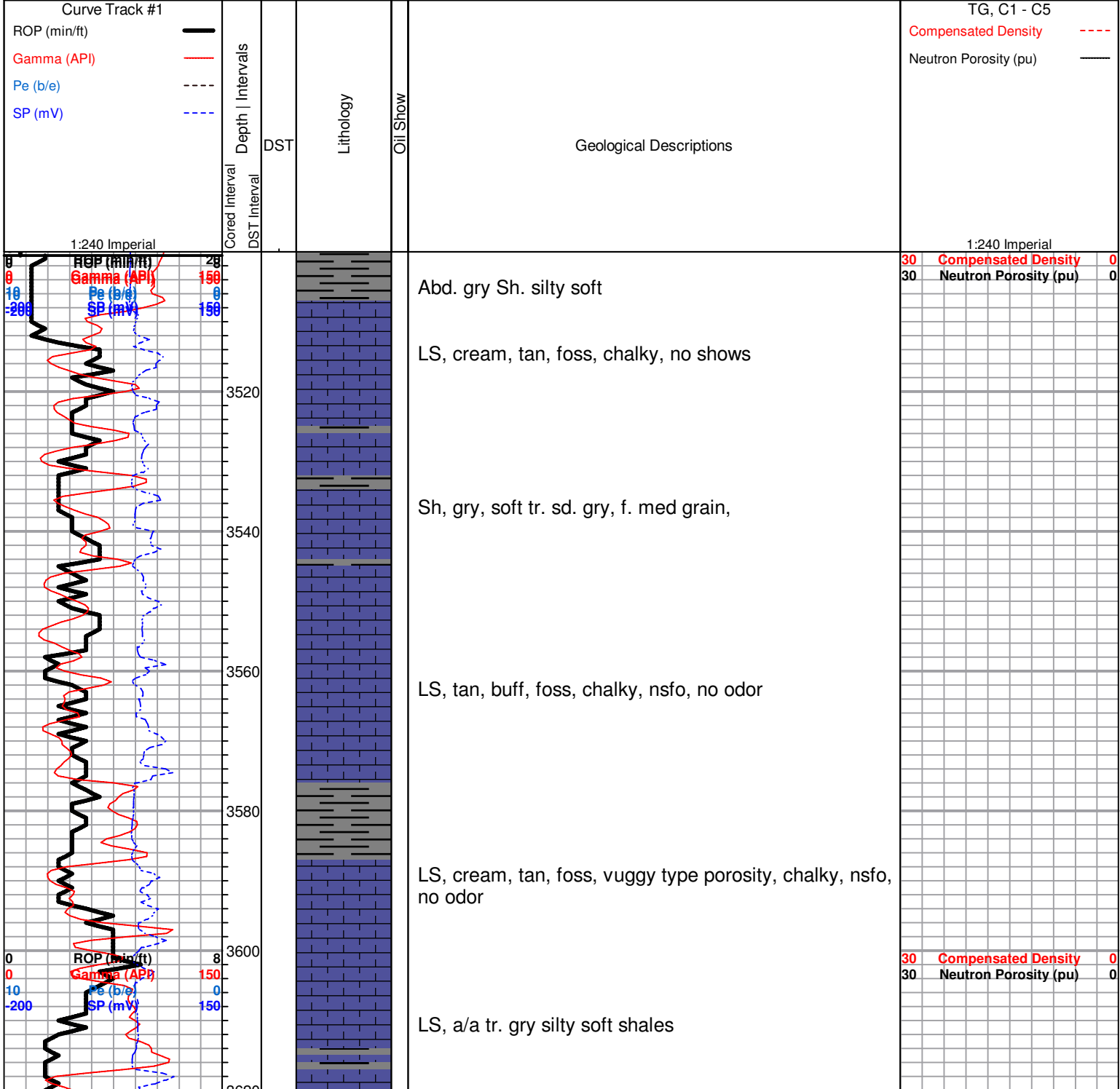
Oil Show

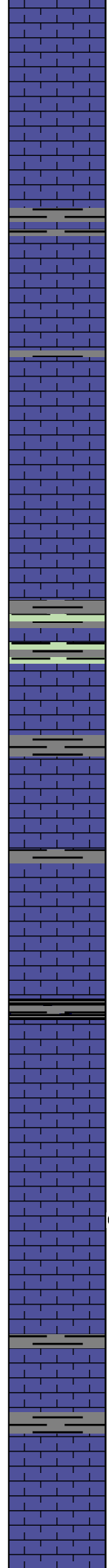
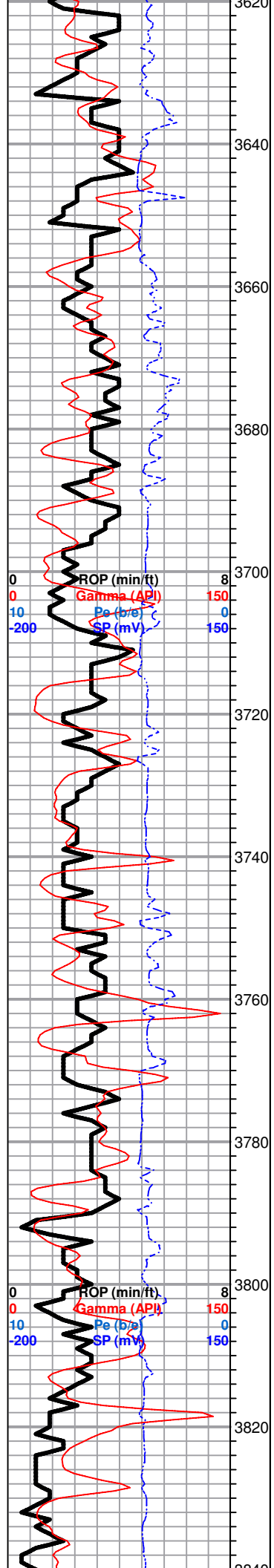
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- Dead Oil Stn
- Fluorescence
- * Gas

DST

- DST Int
- DST alt
- Core
- tail pipe

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LS, foss, oom, fair vuggy - p.p. porosity, chalky, nsfo, no odor

3640

Sh, gry silty soft

3660

LS, tan, foss, oom, good vuggy porosity, chalky, no shows, no odor

3680

LS, tan, buff, poor scatt. p.p. porosity, sl.chalky, no shows, no odor

3700

Sh, gry, greenish, a/a

LS, white, cream, foss, a/a, chalky, no shows, no odor

3720

LS, a/a,

3740

LS, tan, cream, foss, scattered vuggy porosity, chalky, no shows

3760

Tr. gry / dk gry + blk carb shale

LS, brn, foss, ool, poor scattered oom porosity, chalky, no shows, no odor

3780

LS, tan, brn, foss, fair scattered porosity, dk brn stain on few, no sfo, no odor

3800

LS, tan, foss, poor scattered p.p porosity, chalky, nsfo, no odor

3820

LS, tan, dense, ool, poor vis. porosity, chalky, no shows

3840

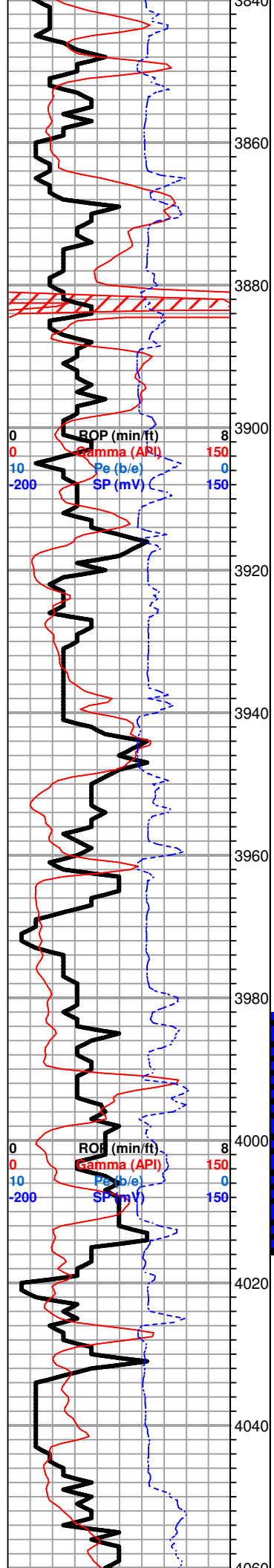
30 Compensated Density 0

30 Neutron Porosity (pu) 0

<----(discoloration??)
shows gas x-over on log

30 Compensated Density 0

30 Neutron Porosity (pu) 0



Tr. gry/ dk gry shale

LS, tan, foss, chalky, no shows, no odor

LS, tan, vuggy foss, scattered vuggy porosity, sl. chalky, +_ tan oom LS, good vuggy porosity, no shows

Heebner 3884.0 (-1097.0)

Sh, black carb

LS, tan, brn fxl, dense, poor vis. porosity

Sh, gry sitly few soft

Toronto 3902.0 (-1115.0)

LS, cream to tan, foss, fair scattered porosity, chalky, tr. brn spty stain, nsfo, no odor

Lansing 3928.0 (-1141.0)

LS, tan, buff, foss, poor - fair vuggy porosity, chalky, no shows

LS, tan, opaque chert

LS, tan, buff foss, fair vuggy type porosity, tr. tan opaque chert. no shows

LS, tan, buff, foss good vuggy porosity chalky, no shows,

LS, tan, buff, foss, fair vuggy type porosity, no shows

LS, tan, foss, gran. / suc. p.p. porosity, sl chalky in pts, tr. gry/ brn stain, spty (v. lt.) sfo, stain/sat., ??odor

LS, tank fxl, few gran. dol., white/ gry, boney chert + white chalk

LS, tan, foss, cherty, abund. sparry calcite cem. poor vis porosity, + white chert, no shows

30 Compensated Density 0

30 Neutron Porosity (pu) 0

DST#1 3982-4014

30-45-30-45

1ST OPEN:

Weak blow

2nd Open:

Flushed; surged

Recovery:

60' mud

Pressures:

ISIP 1031 psi

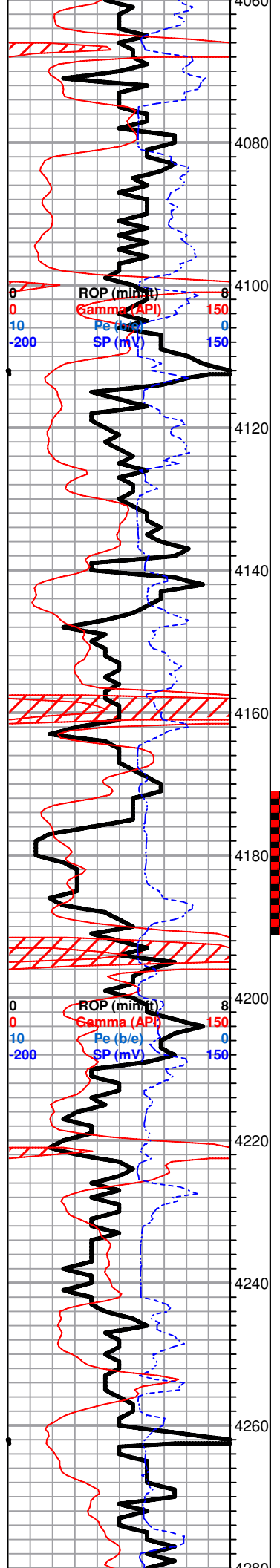
FSIP 995 psi

IFP 36-40 psi

FFP 43-45 psi

HSH 1934-1902 psi

DST#2 4022-4100



Muncie Creek 4071.0 (-1284.0)

Sh, black carb

LS, tan, foss, chalky, poor vis porosity, tr. brn stain, tr. fo, no odor

LS, white, tan, foss, poorly developed. ool, no shows

Tr. LS tan, cherty, (dense)

LS, tan, gry, fxl, scatt. p.p. type porosity, chalky, gry/blk stain, nsfo, no odor

Sh, gry, limey

Stark 4161.0 (-1314.0)

Sh, black carb

LS, tan, white, fxl, ool/ foss, slightly chlky, fr-fine vuggy porosity, brn - golden brn stain, sfo, ft. / fair odor

Tr. black carb Sh

LS, white, crm, fxl, ool, chalky, poor vis. porosity, no shows

Sh, black carb

BKC 4233.0 (-1446.0)

Sh, gry gryish- green soft silty

LS, gry/ white, tan, chalky, few cherty (dense)

Marmaton 4261.0 (-1474.0)

LS, cream, white, fxl, chalky, tr. brn stain, nsfo, no odor

DST#2 4066-4138

30-45-45-60

1st Open:

Weak Open

Rec. 20' Oil Specked Mud

Pressures:

ISIP 86 psi
 FSIP 73 psi
 IFP 20-22 psi
 FFP 21-23 psi
 HSH 2009-1954 psi

DST#3 4171-4190

30-45-45-60

1st Open:

Blow fair

2nd Open:

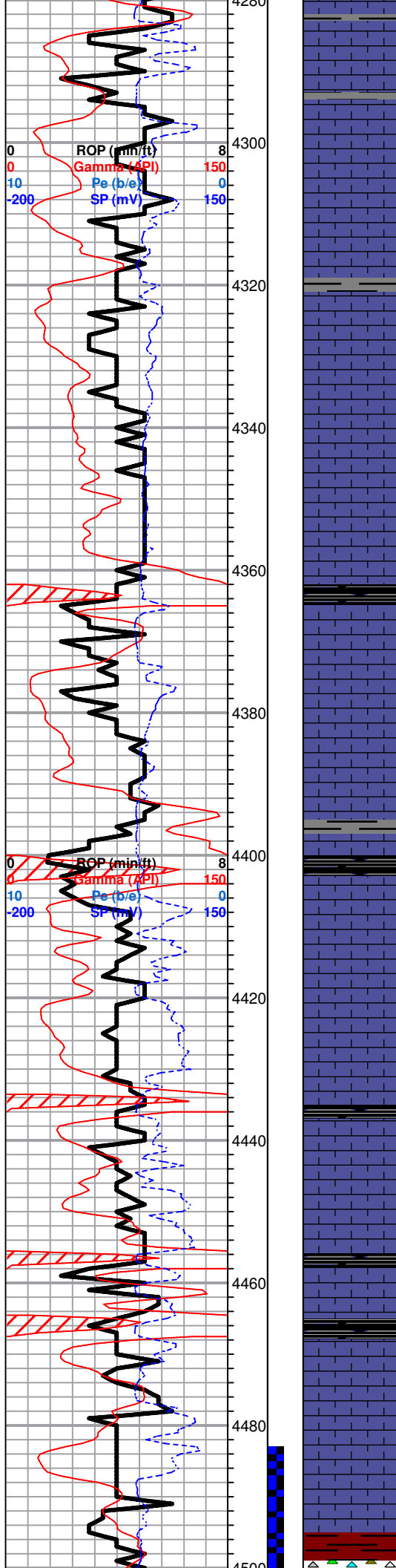
fair blow

Recovery:

1' clean oil
 100' muddy water

Pressures:

ISIP 1158 psi
 FSIP 1134 psi
 IFP 20-36 psi
 FFP 41-61 psi
 HSH 2096-2021 psi



LS, cream, white, gry, honey comb coral , chalky, poor vis. porosity, no shows , no odor

LS, tan, gry, fxl, few gran, chalky, + loose pyrite

Pawnee 4322.0 (-1535.0)

LS, tan, gry, gran. in pt, poor vis. por. no shows

LS, gry fxl, shaley, in pt., few cherty, dense

Sh, black carb

Myrick Station 4375.0 (-1588.0)

○ LS, tan, slightly ool, chalky in pt, poor vis porosity, tr. brn stain, nsfo, no odor, + white ool chert

LS, tan, gry, fxl, dense

Sh, blk carb

Ft. Scott 4407.0 (-1620.0)

LS, tan, highly ool, poor vis porosity, no shows

LS, dense, cherty

○ LS, tan, ool in pt, chalky, poorly developed, poor brn stain, nsfo ??? odor

Cherokee Sh. 4434.0 (-1647.0)

Sh. black carb

LS, white, gry, cream, foss, chalky, poor vis porosity,

Tr. gry/ dk gry, blk, dk brn shales

LS, white, gry, fxl, gran. chalky

Johnson 4478.0 (-1691.0)

LS, a/a, few foss, poor porosity, no shows

Conglomerate 4491.0 (-1704.0)

Sh, maroon, green, soft shales,

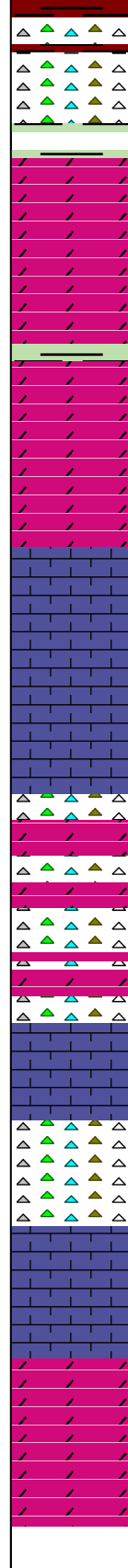
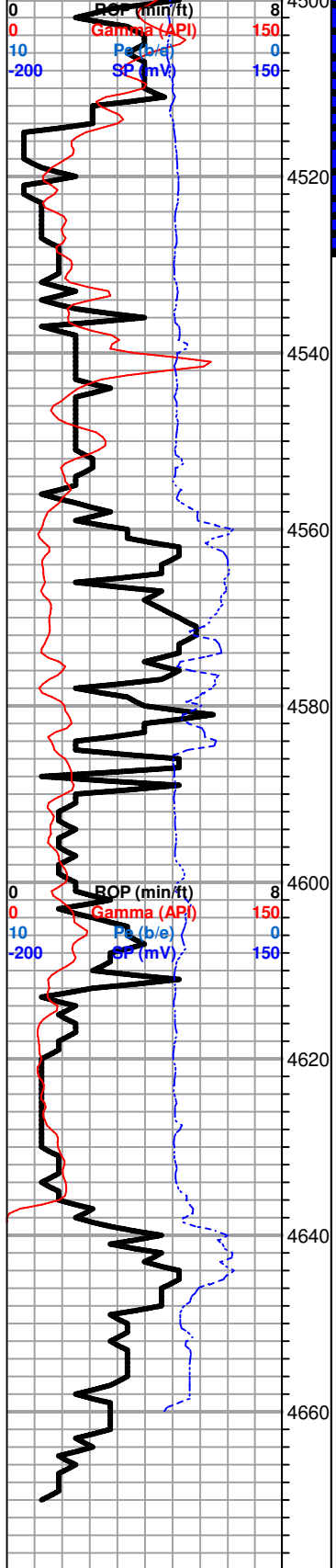
30 Compensated Density 0
30 Neutron Porosity (pu) 0

30 Compensated Density 0
30 Neutron Porosity (pu) 0

DST#4 4484-4528
30-45-60-90

1st Open:
Strong blow

2nd Open:



Chert, white, boney / yellow, grey

Miss. "Spergen" 4513.0 (-1726.0)

Dol. tan, gry, few suc. foss, fr-good vuggy type por., good dk brn - golden brn stan/sat., sfo, ft/fair odor

Dol. a/a, dec. in stain, tr. fo, + white chalk

Dol, tan, white/cream, fxl, cherty in pt, + white chalk

Tr. sh, white, gry, maroon, + green / cal; silty shale

Miss. "Warsaw" 4561.0 (-1774.0)

LS, gry, white, foss, f- med xln, chalky, poor vis porosity, no shows, a/a

Miss. "Osage" 4587.0 (-1800.0)

Chert, white/ gry, foss, boney, tran, + white, cream dolomite

Clear white, trans chert + white, gry gran. suc. dolomite

LS, tan, foss, glauc, dolomitic

Chert, clear/ white, trans chert + white gry gran. suc. dolomite

Miss. "Gilmore" 4640.0 (-1853.0)

LS, tan, ool, chalky, poor porosity, no shows

Dol. gry trans, suc. + gry/ white, trans chert + Sh, green/ rusty brn maroon silty shales

RTD 4670.0 (-1883.0)

2nd Open:

Same

Recovery:

180' Clean Gassy Oil

250' Mud cut oil

Pressures:

ISIP 982 psi

FSIP 945 psi

IFP 29-86 psi

FFP 91-180 psi

HSH 2223-2147 psi

30	Compensated Density	0
30	Neutron Porosity (pu)	0