

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Becker Oil Corporation
Well Name	S AND E RANCH 1
Doc ID	1754582

Tops

Name	Top	Datum
Stone Corral Anhydrite	1470	(+907)
Krider	2434	(-55)
Winfield	2497	(-118)
Towanda	2572	(-193)
Ft. Riley	2625	(-246)
Florence	2676	(-297)
Wreford	2724	(-345)
TD	2765	(-386)





P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300

# Invoice

DATE	INVOICE #
9/25/2023	35038

BILL TO
Becker Oil Corporation PO Box 1150 Ponca City, OK 74602-1150

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	S & E Ranch	Hodgeman	Duke Rig #2	Gas	Development	Surface Pipe	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	8.00	320.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)				1	Job	1,200.00	1,200.00
325	Standard Cement				150	Sacks	16.00	2,400.00T
279	Bentonite Gel				3	Sack(s)	50.00	150.00T
278	Calcium Chloride				7	Sack(s)	55.00	385.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				150	Sacks	2.00	300.00
582D	Minimum Drayage Charge				1	Each	350.00	350.00
	Subtotal							5,189.00
	Sales Tax Hodgeman County						7.50%	226.43
<b>We Appreciate Your Business!</b>							<b>Total</b>	<b>\$5,415.43</b>



CHARGE TO: **Becker Oil**  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 35038  
 PAGE 1 OF 1

1. SERVICE LOCATIONS: **Ness Chalks**

2. WELL/PROJECT NO. **#1** LEASE **S + E Ranch** COUNTY/PARISH **Hodgeman** STATE **KS** DATE **9-25-2003** OWNER  
 TICKET TYPE  SERVICE  SALES CONTRACTOR **Duke** RIG NAME/NO. **#2** SHIPPED VIA **CT** DELIVERED TO **Errone** ORDER NO.  
 3. WELL TYPE **Gas** WELL CATEGORY **Development** JOB PURPOSE **Surface Pipe** WELL PERMIT NO.  
 4. REFERRAL LOCATION **Errone, G-8, 4-5** WELL LOCATION **E-1010**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
						UM	UM			
576		1			MILEAGE <b>Truck #116</b>	40	Mi	8.00	320.00	
576S		1			<b>Ramp Charge - SURFACE</b>	1	000	1,000.00	1,000.00	
226		1			<b>STANDARD Cement</b>	150	SKS	1.00	150.00	
219		1			<b>BEAUFORT GEL</b>	3	SKS	50.00	150.00	
278		1			<b>Calcium Chloride</b>	7	SKS	55.00	385.00	
290		1			<b>D-Air</b>	2	gal	42.00	84.00	
581		1			<b>Cement Service Charge</b>	150	SKS	2.00	300.00	
582		1			<b>Minimum Drayage Charge</b>	1	JOB	300.00	300.00	
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.						SURVEY		AGREE	UNDECIDED	DISAGREE
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.						OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				
X						WE UNDERSTOOD AND MET YOUR NEEDS?				
DATE SIGNED <b>9-26-2003</b> TIME SIGNED <b>001000</b>						OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
SWIFT OPERATOR <b>William Truitt</b>						WE OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY?				
APPROVAL <b>William Truitt</b>						ARE YOU SATISFIED WITH OUR SERVICE?		<input type="checkbox"/> YES	<input type="checkbox"/> NO	
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.						PAGE TOTAL		1	5,189.00	
TOTAL									5415.43	

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

Hodgeman  
 22643

SWIFT OPERATOR **William Truitt** APPROVAL **William Truitt** Thank You!

JOB LOG

SWIFT Services, Inc.

DATE	PAGE NO.
9-25-2008	1
TICKET NO. 35038	

CUSTOMER	WELL NO.	LEASE	JOB TYPE
Becker Oil	#1	S + E Ranch	SURFACE Pip

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
9/25	2200							ON LOCATION 8 5/8" 2316/ft
								RTD: 222'
	2245							Start Csg in Well
	2340							Break Circulation
	2345	4	5			250		Pump 5 bbl H <sub>2</sub> O Spacer
		4	36			150		Mix 150 sks of STANDARD Cement @ 14.7ppg
		4	0			100		Begin Displacement
		4	105			250		* Circulate Cement to Surface
9/26	0000	-	13			200		KO Pump * Shut in * -Release PSI * Hold * "Plug Down"
	0015							Wash up Truck #116
	0045							Job Complete
								150 sks of STANDARD Cement w/ 2% gel + 3% CO used
								Approx 10 sks to the Pit "Plug Down" @ Midnight 9/26
								THANKS!
								Brian Tyler, Shore



Services, Inc.

CHARGE TO: **Becker Oil Co**

ADDRESS

CITY, STATE, ZIP CODE

TICKET **36374**

PAGE **1** OF **1**

1. <b>Flays</b>	WELL/PROJECT NO. # <b>1</b>	LEASE <b>S&amp;E Ranch</b>	COUNTY/PARISH <b>HODGEMAN</b>	STATE <b>KS</b>	CITY	DATE <b>10-1-23</b>	OWNER
2. <b>Ness City</b>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>Dave Drilling</b>	RIG NAME/NO. <b>Rig 2</b>	SHIPPED <b>Y</b>	DELIVERED TO <b>location</b>	ORDER NO.	
3.	WELL TYPE <b>Oil</b>	WELL CATEGORY <b>WORKOVER</b>	JOB PURPOSE <b>Low Strain</b>	WELL PERMIT NO.	WELL LOCATION		
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.		UNIT		AMOUNT
				U/M	U/M	PRICE		
575			MILEAGE <b>Tax 111</b>	40	mi	8	¢	320.00
579			<b>Pump Charge - Trip to Bsm</b>	1	ea	2350	00	2350.00
290			<b>D-Air</b>	6	bar	42	00	252.00
221			<b>Liquid Kel</b>	2	bar	25	00	50.00
281			<b>Mud Flush</b>	500	bar	2	50	1250.00
406			<b>Low Down Plug &amp; Baffle</b>	1	ea	4 1/2		250.00
407			<b>INSERT FLOW SHORTRARDEN</b>	1	ea	325	00	325.00
409			<b>TURBOLIZER</b>	5	ea	95	00	475.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

**X**

DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  A.M.  P.M.

**REMIT PAYMENT TO:**  
**SWIFT SERVICES, INC.**  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES:** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *[Signature]* APPROVAL

TOTAL **19576.80**

Thank You!





PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 36374

CUSTOMER: Beaver Oil Co  
WELL: #1 STE COND  
DATE: 10-1-23  
PAGE: 2

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
328-6					60/40 Pozmix 60/60 Gel	450	sx			13.50	6075.00
325					STANDARD Cement	125	sx			16.00	2000.00
229					BENTONITE GEL	2	sk			50.00	100.00
283					SALT	700	lbs			25	175.00
226					Floccle	150	lbs			4.00	600.00
SERVICE CHARGE											
MILEAGE CHARGE											
TOLL CHARGE											
LOADING CHARGE											
CUBIC FEET											
TON MILES											
Cement											
90											
575.5x											
982											
2.00											
1150.00											
982.00											
11082.00											

JOB LOG

SWIFT Services, Inc.

DATE 10-1-23 PAGE NO.

CUSTOMER Beaver Oil Co WELL NO. #1 LEASE STE Ranch JOB TYPE Top to Bottom TICKET NO. 36374

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2230							On location
								csg - 4 1/2 x 10 "
								RTO -
								TOTAL csg -
								SHOE
								Turbolizers - 1, 3, 4, 7, 61
	2240							Start Running Csg
	1200							Break Circ on Btm
	115		8					plug rat hole - <del>30</del> 30 sx
			4					plug mouse Hole - 20 sx
		6	12			400		pump MUDFLUSH
		6	20			400		pump 20 BSI KILL SPACER
			0					Start CMT - 400 sx 6 1/2 6%
		5	135			300		Switch to STD 2% For 125 sx
		4	165			200		END CMT
								Drop plug - Wash P&L
		7	0					Start Disp
	220	6	43			900		Land plug @ 1500 psi
								Release Pressure - Dry
								Tet Cellar - CMT in Cellar
								Circulated 5 sx
								JOB COMPLETE
								THANKS
								DAVID, SETH, JAN, KERRY



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
10/1/2023	36374

BILL TO
Becker Oil Corporation PO Box 1150 Ponca City, OK 74602-1150

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	S & E Ranch	Hodgeman	Duke Rig #2	Oil	Workover	Long String	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575W	Mileage - 1 Way				40	Miles	8.00	320.00T
579W	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	2,350.00	2,350.00T
290	D-Air				6	Gallon(s)	42.00	252.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
281	Mud Flush				500	Gallon(s)	2.50	1,250.00T
406-4	4 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-4	4 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-4	4 1/2" Turbolizer				5	Each	95.00	475.00T
328-6	60/40 Pozmix (6% Gel)				450	Sacks	13.50	6,075.00T
325	Standard Cement				125	Sacks	16.00	2,000.00T
279	Bentonite Gel				2	Sack(s)	50.00	100.00T
283	Salt				700	Lb(s)	0.25	175.00T
276	Flocele				150	Lb(s)	4.00	600.00T
581W	Service Charge Cement				575	Sacks	2.00	1,150.00T
583W	Drayage				982	Ton Miles	1.00	982.00T
	Subtotal							16,354.00
	Sales Tax Hodgeman County						7.50%	1,222.80
<b>We Appreciate Your Business!</b>							<b>Total</b>	<b>\$17,576.80</b>



Scale 1:240 (5"=100') Imperial

Well Name: S & E Ranch #1  
Location: SEC 19, T23S, R22W, Hodgeman County Kansas  
Licence Number: 15-083-22031-00-00  
Spud Date: Sept. 25th 2023  
Surface Coordinates: C W/2 SW//4  
Region: LIPPOLDT  
Drilling Completed: Oct. 01, 2023

**Bottom Hole Coordinates:**

Ground Elevation (ft): 2371'                      K.B. Elevation (ft): 2379'  
Logged Interval (ft): 2400'              To: 2766'              Total Depth (ft): 2766'  
Formation: Chase Group  
Type of Drilling Fluid: Starch

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

**OPERATOR**

Company: BECKER OIL CORP.  
Address: 27815 Little Bighorn Dr.  
Evergreen , Colorado, 80439  
Geo: Clyde M. Becker Jr.

**GEOLOGIST**

Name: Tim Hedrick  
Company: Earth Tech OGL, Inc.  
Address: PO Box 683  
Hooker Okla. 73945  
580-754-0062



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

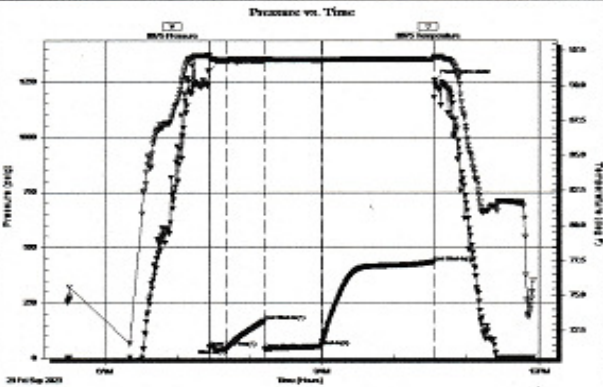
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71145      DST#: 1  
 Test Start: 2023.09.29 @ 05:29:00

**GENERAL INFORMATION:**

Formation: **Krider**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 07:26:37  
 Time Test Ended: 11:55:32  
 Interval: **2405.00 ft (KB) To 2470.00 ft (KB) (TVD)**  
 Total Depth: **2470.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Spencer J Staab**  
 Unit No: **84**  
 Reference Elevations: **2379.00 ft (KB)**  
    **2371.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

**Serial #: 8875**      **Inside**  
 Press@RunDepth: **53.27 psig @ 2409.00 ft (KB)**      Capacity:                      psig  
 Start Date: **2023.09.29**      End Date: **2023.09.29**      Last Calb.: **2023.09.29**  
 Start Time: **05:29:01**      End Time: **11:55:32**      Time On Btm: **2023.09.29 @ 07:26:27**  
                                              Time Off Btm: **2023.09.29 @ 10:33:32**

**TEST COMMENT:** 15-F-BOB 9.5 mins Built to 17.75"  
 30-ISI-No Return  
 45-FF-BOB 1 min Built to 73"  
 90-FSI-No Return



**PRESSURE SUMMARY**

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1300.91	92.19	Initial Hydro-static
1	49.03	91.94	Open To Flow (1)
15	42.68	91.87	Shut-in(1)
47	169.07	91.90	End Shut-In(1)
47	40.87	91.90	Open To Flow (2)
93	53.27	91.83	Shut-in(2)
187	434.81	91.90	End Shut-In(2)
188	1256.14	92.06	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
10.00	GM 10%G 90%M	0.05
0.00	500' Questionable Gas	0.00

**Gas Rates**

Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)



**RILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

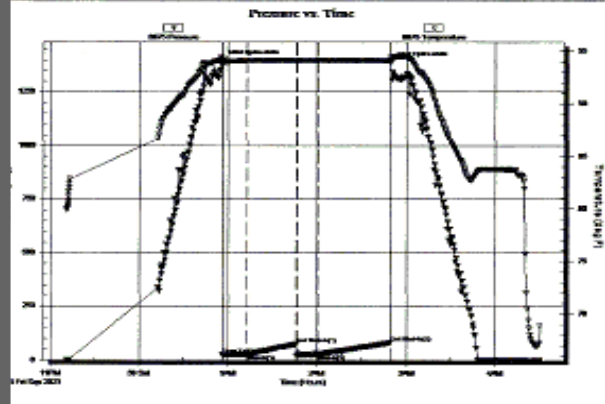
Becker Oil Corporation	<b>19-23s-22w Hodgeman KS</b>
PO BOX 1150 Ponca City OK 74602+1150	<b>S&amp;E Ranch #1</b>
ATTN: Clyde Becker	Job Ticket: 71146      DST#: 2
	Test Start: 2023.09.29 @ 23:11:00

**GENERAL INFORMATION:**

Formation: <b>Towanda</b>	Test Type: <b>Conventional Bottom Hole (Reset)</b>
Deviated: <b>No Whipstock:                      ft (KB)</b>	Tester: <b>Spencer J Staab</b>
Time Tool Opened: <b>00:56:02</b>	Unit No: <b>84</b>
Time Test Ended: <b>04:30:52</b>	Reference Elevations: <b>2379.00 ft (KB)</b>
Interval: <b>2571.00 ft (KB) To 2613.00 ft (KB) (TVD)</b>	<b>2371.00 ft (CF)</b>
Total Depth: <b>2613.00 ft (KB) (TVD)</b>	KB to GR/CF: <b>8.00 ft</b>
Hole Diameter: <b>7.88 inches</b> Hole Condition: <b>Fair</b>	

<b>Serial #: 8875</b> <b>Inside</b>	Capacity: _____ <b>psig</b>
Press@RunDepth: <b>26.47 psig @ 2575.00 ft (KB)</b>	Last Calib.: <b>2023.09.30</b>
Start Date: <b>2023.09.29</b> End Date: <b>2023.09.30</b>	Time On Btm: <b>2023.09.30 @ 00:55:57</b>
Start Time: <b>23:11:00</b> End Time: <b>04:30:52</b>	Time Off Btm: <b>2023.09.30 @ 02:49:52</b>

**TEST COMMENT:** 15-IF-Surface to 1.75"  
30-ISI-No Return  
15-FF-Surface to 2"  
45-FSI-No Return



PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1394.73	94.16	Initial Hydro-static
1	26.59	93.58	Open To Flow (1)
17	26.54	94.10	Shut-In(1)
50	75.22	94.14	End Shut-In(1)
51	20.64	94.14	Open To Flow (2)
65	26.47	94.13	Shut-In(2)
114	82.76	94.12	End Shut-In(2)
114	1388.54	94.37	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.05

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)

\* Recovery from multiple tests:



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

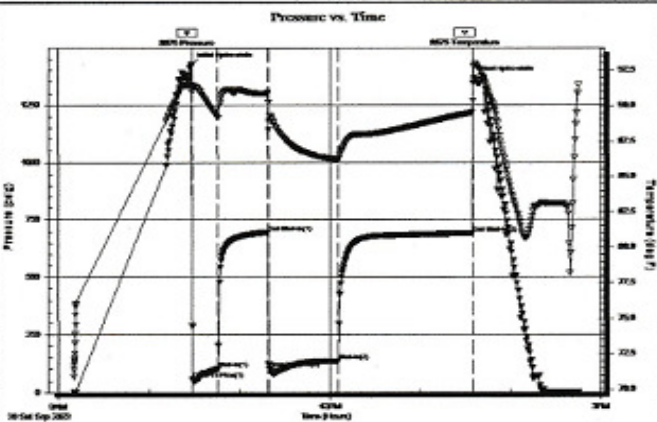
19-23s-22w Hodgeman KS  
**S&E Ranch #1**  
 Job Ticket: 71147      DST#: 3  
 Test Start: 2023.09.30 @ 09:10:00

**GENERAL INFORMATION:**

Formation: **Ft. Riley**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: 10:28:52                      Tester: **Spencer J Staab**  
 Time Test Ended: 14:45:11                      Unit No: **84**  
 Interval: **2618.00 ft (KB) To 2640.00 ft (KB) (TVD)**                      Reference Elevations:      2379.00 ft (KB)  
 Total Depth: **2640.00 ft (KB) (TVD)**    2371.00 ft (CF)  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**                      KB to GR/CF:      8.00 ft

**Serial #: 8875**      **Outside**  
 Press@RunDepth: **136.92 psig @ 2621.00 ft (KB)**                      Capacity:                      psig  
 Start Date: **2023.09.30**      End Date: **2023.09.30**      Last Calib.:                      2023.09.30  
 Start Time: **09:10:00**      End Time: **14:45:11**      Time On Btm: **2023.09.30 @ 10:28:27**  
 Time Off Btm: **2023.09.30 @ 13:35:42**

**TEST COMMENT:** 15-IF-BOB 30 secs GTS 13 mins Built to 12.28 PSI  
 30-ISI-No Return  
 45-FF-Gauged Gas See attached Gas Volume Report  
 90-FSI-No Return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.39	91.47	Initial Hydro-static
1	58.28	91.24	Open To Flow (1)
18	103.77	89.15	Shut-In(1)
51	695.11	90.85	End Shut-In(1)
51	105.03	88.28	Open To Flow (2)
98	136.92	86.19	Shut-In(2)
187	692.42	89.53	End Shut-In(2)
188	1364.01	92.73	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
90.00	GM 10%G 90%M	0.44

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)
First Gas Rate	0.13	12.28	0.01
Last Gas Rate	0.13	19.51	0.01
Max. Gas Rate	0.13	19.51	0.01



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

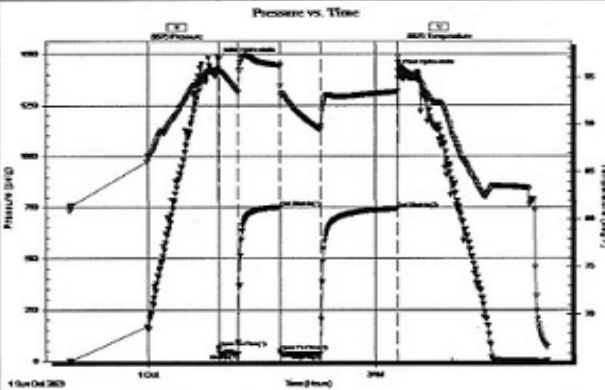
19-23s-22w Hodgeman KS  
 S&E Ranch #1  
 Job Ticket: 71148      DST#: 4  
 Test Start: 2023.09.30 @ 22:58:00

**GENERAL INFORMATION:**

Formation: **Florence**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 00:55:57  
 Time Test Ended: 05:15:52  
 Interval: 2682.00 ft (KB) To 2702.00 ft (KB) (TVD)  
 Total Depth: 2702.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Spencer J Staab  
 Unit No: 84  
 Reference Elevations: 2379.00 ft (KB)  
 2371.00 ft (CF)  
 KB to GR/CF: 8.00 ft

Serial #: **8875** Outside  
 Press@RunDepth: 36.29 psig @ 2683.00 ft (KB) Capacity:      psig  
 Start Date: 2023.09.30 End Date: 2023.10.01 Last Calib.: 2023.10.01  
 Start Time: 22:58:00 End Time: 05:15:52 Time On Btm: 2023.10.01 @ 00:55:42  
 Time Off Btm: 2023.10.01 @ 03:17:47

TEST COMMENT: 15-IF-BOB 30 secs GTS 8 mins See Gas Volume Report  
 30-ISI-No Return  
 30-FF-Gauged Gas Gas did burn  
 60-FSI-No Return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1475.02	95.92	Initial Hydro-static
1	68.69	95.68	Open To Flow (1)
16	36.77	93.38	Shut-In(1)
49	750.71	96.22	End Shut-In(1)
49	50.11	94.11	Open To Flow (2)
81	36.29	89.39	Shut-In(2)
142	745.36	93.53	End Shut-In(2)
143	1418.75	97.11	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	GM 5%G 95%M	0.34

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)
First Gas Rate	0.13	4.01	0.01
Last Gas Rate	0.13	1.77	0.01
Max. Gas Rate	0.13	4.01	0.01

\* Recovery from multiple tests  
 TriLOBITE Testing, Inc

**ROCK TYPES**

	Anhy		Congl		Mrlst		Ss		Sandylms
	Bent		Dol		Salt		Till		Shale
	Brec		Gyp		Shale		Carb sh		Sltstn
	Cht		Igne		Shcol		Dol		Shlyslts
	Clyst		Lmst		Shgy		Dtd		Sltlysh
	Coal		Meta		Sltst		Gry sh		Lms



### ACCESSORIES

<b>MINERAL</b> Anhy Arggrn Arg Bent Bit Brecfrag Calc Carb Chtdk Chtlt Dol Feldspar Ferrpel Ferr Glau Gyp Hvymin Kaol	Marl Minxl Nodule Phos Pyr Salt Sandy Silt Sil Sulphur Tuff Chlorite Dol Sand Silty	Belm Bioclst Brach Bryozoa Cephal Coral Crin Echin Fish Foram Fossil Gastro Oolite Ostra Pelec Pellet Pisolite Plant Strom	Fuss Oomold
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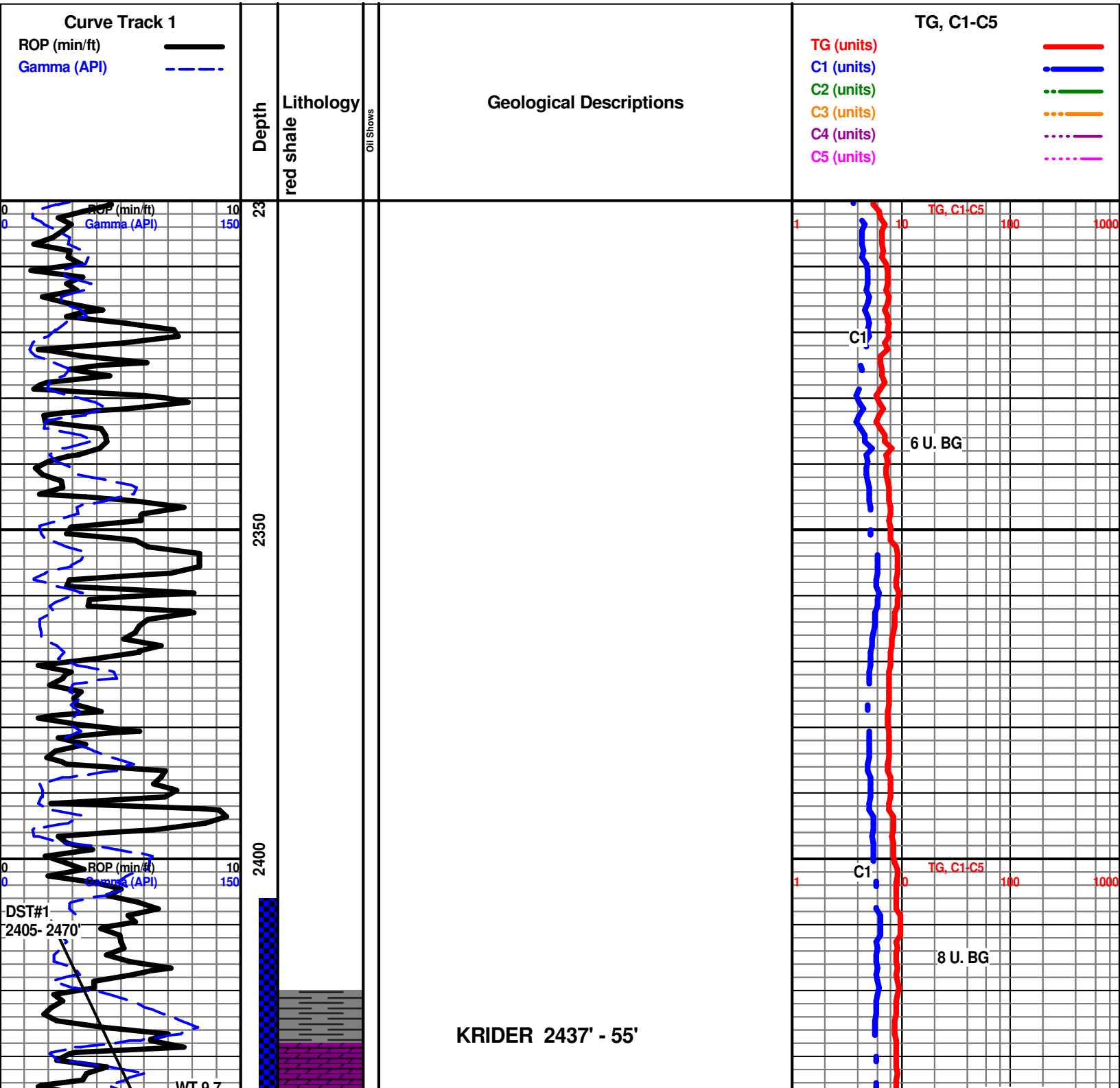
<b>STRINGER</b> Anhy Arg Bent Coal Dol Gyp Ls Mrst Sltstrg Ssstrg Carbsh Clystn Dol Grysh Gryslt	<b>TEXTURE</b> Boundst Chalky Cryxln Earthy Finexln Grainst Lithogr Microxln Mudst Packst Wackst
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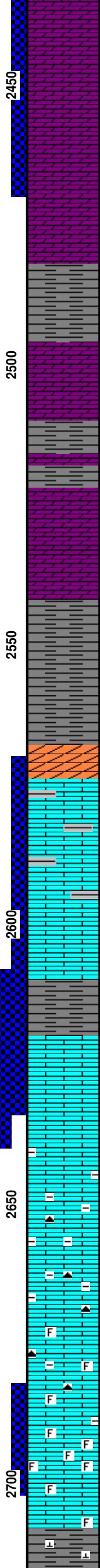
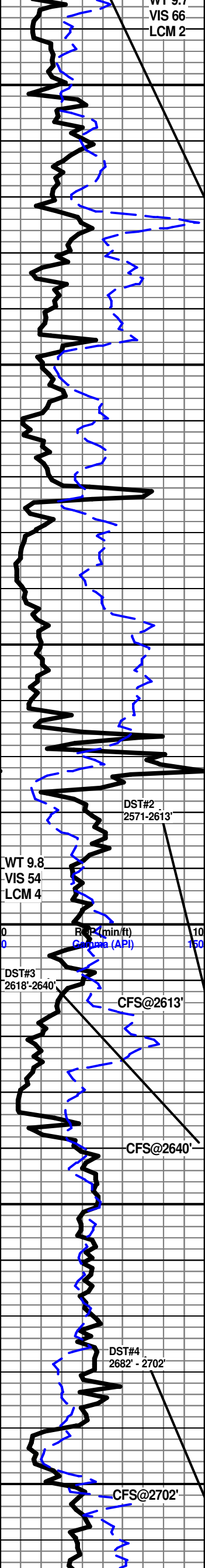
### OTHER SYMBOLS

<b>POROSITY TYPE</b> Earthy Fenest Fracture Inter Moldic Organic Pinpoint	Vuggy	<b>ROUNDING</b> Rounded Subrnd Subang Angular	Spotted Ques Dead Gas show
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<b>SORTING</b> Well Moderate Poor	<b>EVENTS</b> Rft Sidewall	<b>INTERVALS</b> Core Dst
--	----------------------------------	---------------------------------





DOLO - WHITE- F-XLN, SLI VIS INTER-XLN POR, NO CUTS

DOLO- GRAY- F-XLN V/ SOME VIS VUGGY POR

DOLO MED GRAY TO GRAY- WHT MOTTLED TR GOOD VUGGY POR. SOME INTER-XLN POR

**WINFIELD 2495' - 116'**

DOLO- LT GRY TO GRY TANISH IP, F-XLN TO SUCRO IP, SOME INTER-XLN POR IP

SHALES - LT GRAY TO GRAY SMOOTH TO GRAINY TXT V/ DOLO IP

DOLO- GRAYISH WHT BRITT F-XLN TO TIGHT VERY FINE SUCRO MATRIX IP EMBED SHALE WITH TRACE, NO VIS POR

SHALE- LT GRY GRY V/ DOLO IP GRADING TO VERY SOFT GUMMY TXT

ANHY- WHT FRSTY- HRD

**TOWANDA 2569' - 190'**

LS- OFF WHT LT GRY CRM - HRD F-XLN TO CRYPTO-XLN EMBED LT GRY SHALE SCATTERED THRU, NO FLO, NO VIS POR,

LS- CRM TAN- BRITTLE F-XLN TO SUCRO MTRX, PR FR TO TRS GOOD VIS INTER-XLN POR TO FR MICRO PP POR

**FT. RILEY 2620' - 241'**

LS- OFF WHT LT GRYISH TAN- HRD BRITTLE F-XLN TO VERY SUCRO MTRX, PR FR VIS INTER-XLN POR TO MICRO PP POR, CRUSH UPON TOUCH

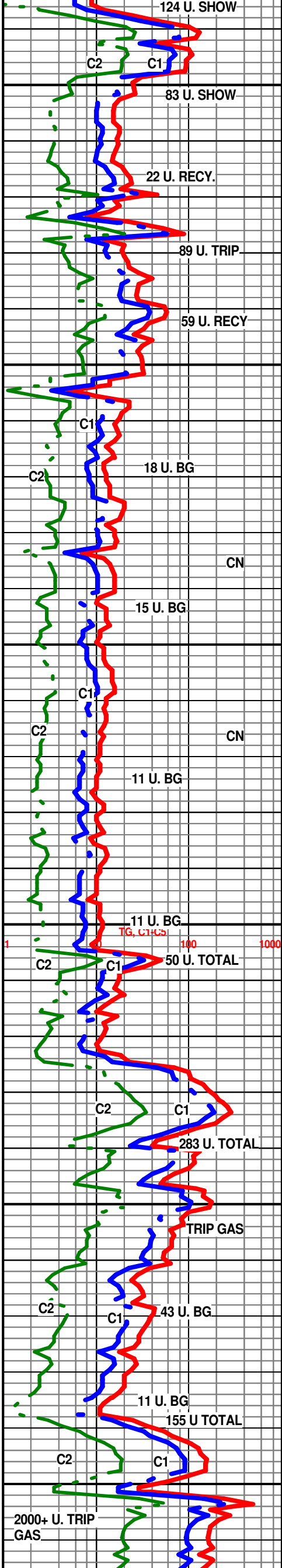
LS- OFF WHT LT GRY TO GRY- HRD DENSE, F-XLN TO SUCRO IP EMBED DISS GRAY SH THRU, TRACES DARK GRAY CHERT, NO FLO, NO VIS POR

**FLORENCE 2675' - 296'**

LS- CRM LT TN TN - HRD DNS F-XLN RE-XLN W/ EMBED FOSS FRGS THRU, TRACE BRN CHERT, NO FLO, NO VIS POR

LS- CRM LT TN - BRITTLE F-XLN TO SUCRO MATRIX, ABDT EMBED FOSS FRGS THRU, FREE CRINOID STEMS, FR TO GD VIS INTER-XLN POR & GD VIS INTER-FOSS POR THRU

SHALE - MED TO DRK GRY FEM V/ CAL GIP TRACES FREE



SHALE- MED TO DRK GRY FRM V/ CALC IP TRACES FREE  
PYR CLSTR IP

### WREFORD 2726' - 347'

LS- TAN DRK TAN GRYISH IP, HRD DNS F-XLN TO  
CRYPTO-XLN SCATT EMBED FOSS FRGS & DISS SHALE  
IP, NO FLO, NO VIS POR

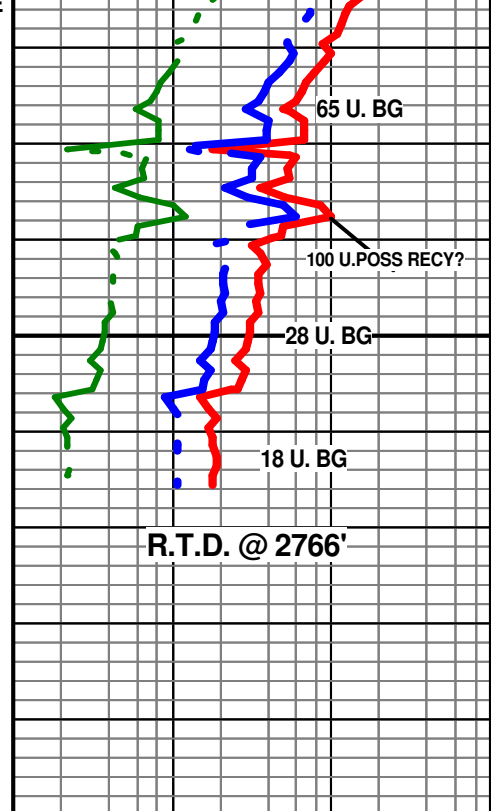
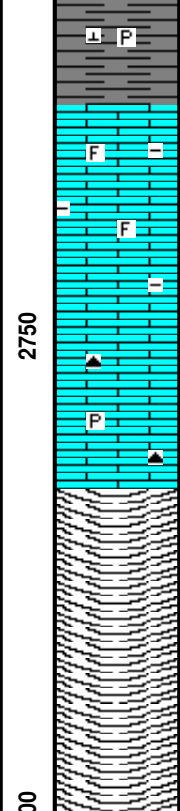
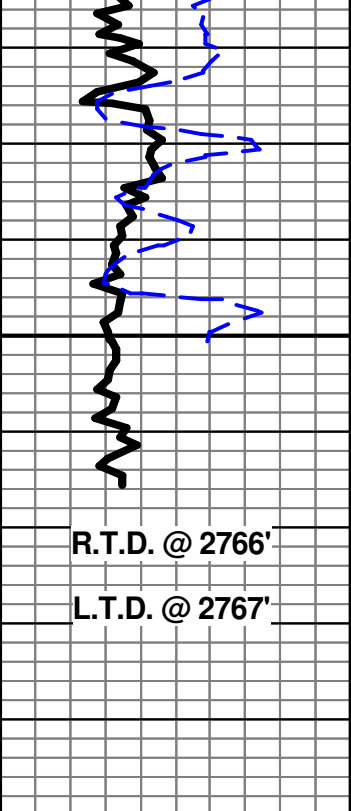
LS- CRM LT TN TN - HRD DNS CRYPTO-XLN TO F-XLN,  
TRACE GRAY CHERT, TRACES FREE PYR CLSTRS, NO  
FLO, NO VIS POR

RTD @ 11:29 AM OCT. 1st 2023

FINISH LOGGING 3:24PM Oct/ 1st, 2023

CTCH 1 HOUR

TOFL/ ELI - HAYS





## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

PO BOX 1150  
Ponca City OK 74602+1150

ATTN: Clyde Becker

### **S&E Ranch #1**

### **19-23s-22w Hodgeman KS**

Start Date: 2023.09.29 @ 05:29:00

End Date: 2023.09.29 @ 11:55:32

Job Ticket #: 71145                      DST #: 1

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

Printed: 2023.10.03 @ 12:20:10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71145 **DST#: 1**  
 Test Start: 2023.09.29 @ 05:29:00

## GENERAL INFORMATION:

Formation: **Krider**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 07:26:37  
 Tester: Spencer J Staab  
 Time Test Ended: 11:55:32  
 Unit No: 84  
 Interval: **2405.00 ft (KB) To 2470.00 ft (KB) (TVD)**  
 Reference Elevations: 2379.00 ft (KB)  
 Total Depth: 2470.00 ft (KB) (TVD)  
 2371.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 8.00 ft

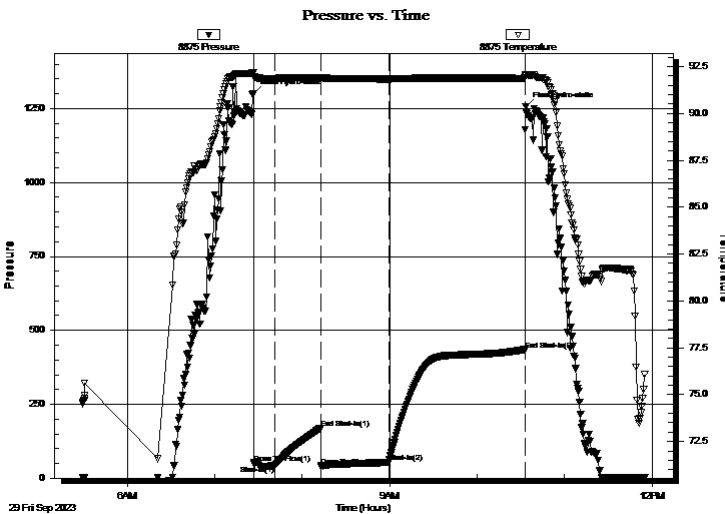
## Serial #: 8875

Inside

Press@RunDepth: 53.27 psig @ 2409.00 ft (KB) Capacity: psig  
 Start Date: 2023.09.29 End Date: 2023.09.29 Last Calib.: 2023.09.29  
 Start Time: 05:29:01 End Time: 11:55:32 Time On Btm: 2023.09.29 @ 07:26:27  
 Time Off Btm: 2023.09.29 @ 10:33:32

TEST COMMENT: 15-IF-BOB 9.5 mins Built to 17.75"  
 30-ISI-No Return  
 45-FF-BOB 1 min Built to 73"  
 90-FSI-No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1300.91	92.19	Initial Hydro-static
1	49.03	91.94	Open To Flow (1)
15	42.68	91.87	Shut-In(1)
47	169.07	91.90	End Shut-In(1)
47	40.87	91.90	Open To Flow (2)
93	53.27	91.83	Shut-In(2)
187	434.81	91.90	End Shut-In(2)
188	1256.14	92.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	GM 10%G 90%M	0.05
0.00	500' Questionable Gas	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

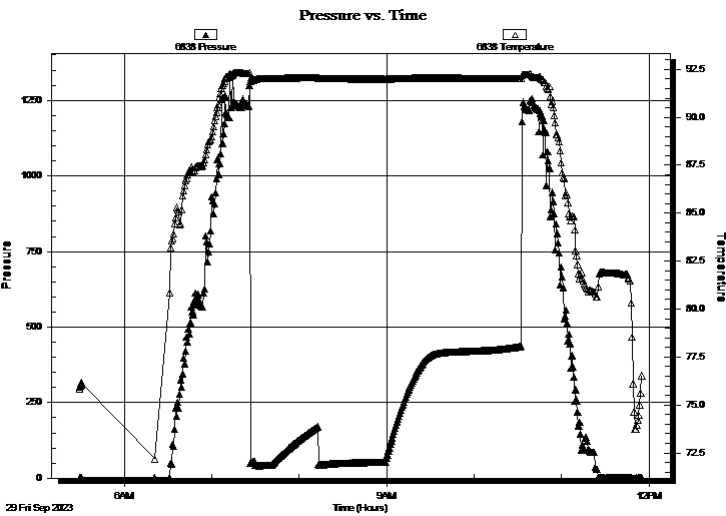
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71145 **DST#: 1**  
 Test Start: 2023.09.29 @ 05:29:00

## GENERAL INFORMATION:

Formation: **Krider**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:26:37  
 Time Test Ended: 11:55:32  
 Interval: **2405.00 ft (KB) To 2470.00 ft (KB) (TVD)**  
 Total Depth: 2470.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Spencer J Staab  
 Unit No: 84  
 Reference Elevations: 2379.00 ft (KB)  
 2371.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 6838 Inside**  
 Press@RunDepth: psig @ 2409.00 ft (KB) Capacity: psig  
 Start Date: 2023.09.29 End Date: 2023.09.29 Last Calib.: 2023.09.29  
 Start Time: 05:29:01 End Time: 11:55:32 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 15-IF-BOB 9.5 mins Built to 17.75"  
 30-ISI-No Return  
 45-FF-BOB 1 min Built to 73"  
 90-FSI-No Return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	GM 10%G 90%M	0.05
0.00	500' Questionable Gas	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71145      **DST#: 1**  
 Test Start: 2023.09.29 @ 05:29:00

**Tool Information**

Drill Pipe:	Length: 2279.00 ft	Diameter: 3.82 inches	Volume: 32.31 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length:            ft	Diameter: 2.75 inches	Volume:        - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose:	60000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	41000.00 daN
Drill Pipe Above KB:	20.00 ft			Final	41000.00 daN
Depth to Top Packer:	2405.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	97.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			2374.00	
Shut In Tool	5.00			2379.00	
Hydraulic tool	5.00			2384.00	
Jars	5.00			2389.00	
Gap Sub	4.00			2393.00	
Safety Joint	3.00			2396.00	
Packer	5.00			2401.00	32.00      Bottom Of Top Packer
Packer	4.00			2405.00	
Stubb	1.00			2406.00	
Perforations	2.00			2408.00	
Change Over Sub	1.00			2409.00	
Recorder	0.00	6838	Inside	2409.00	
Recorder	0.00	8875	Inside	2409.00	
Drill Pipe	32.00			2441.00	
Change Over Sub	1.00			2442.00	
Perforations	25.00			2467.00	
Bullnose	3.00			2470.00	65.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>97.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71145      **DST#: 1**  
 Test Start: 2023.09.29 @ 05:29:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 48100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	GM 10%G 90%M	0.049
0.00	500' Questionable Gas	0.000

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: 2#LCM



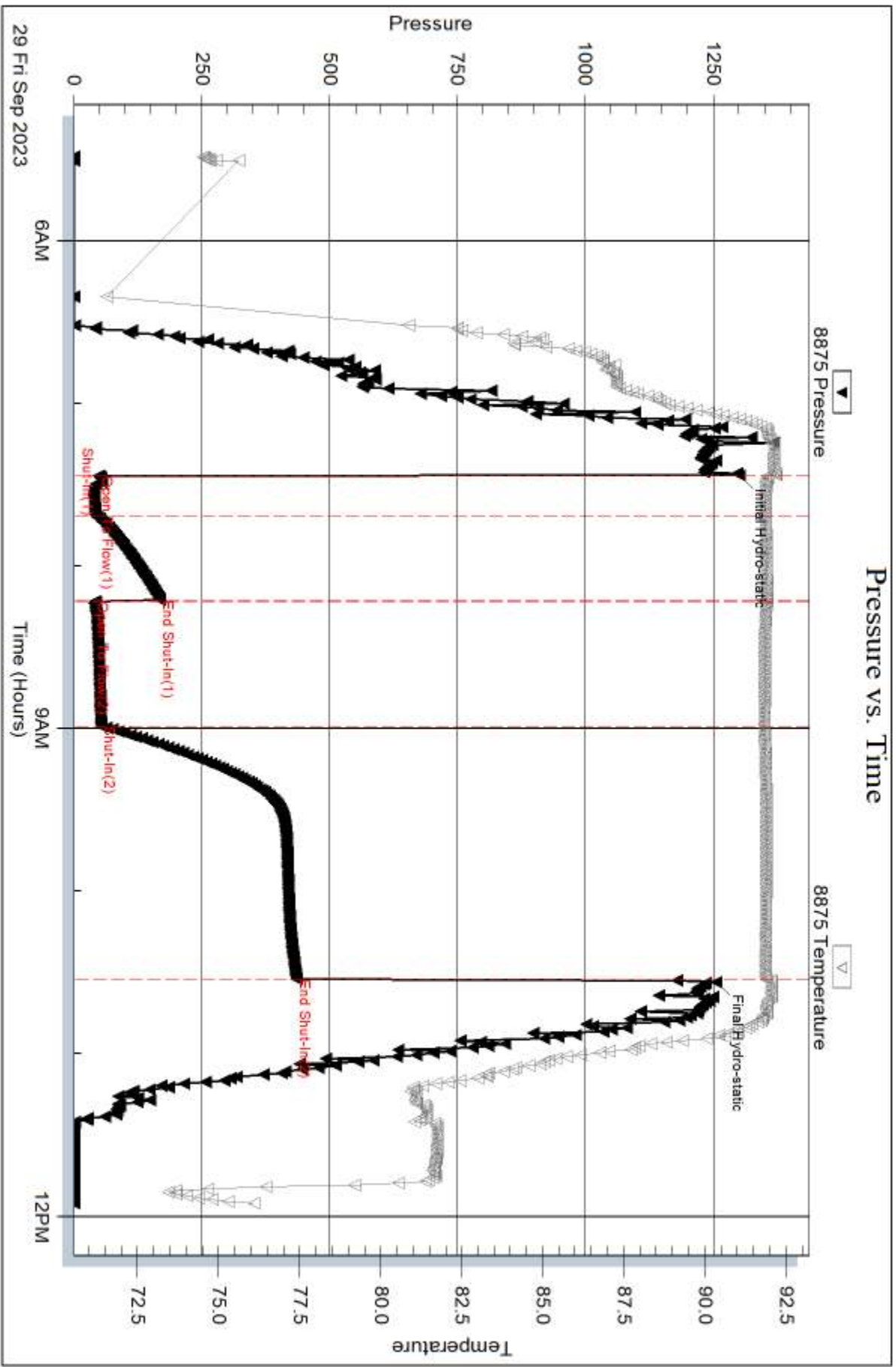
Serial #: 8875

Inside

Becker Oil Corporation

S&E Ranch #1

DST Test Number: 1



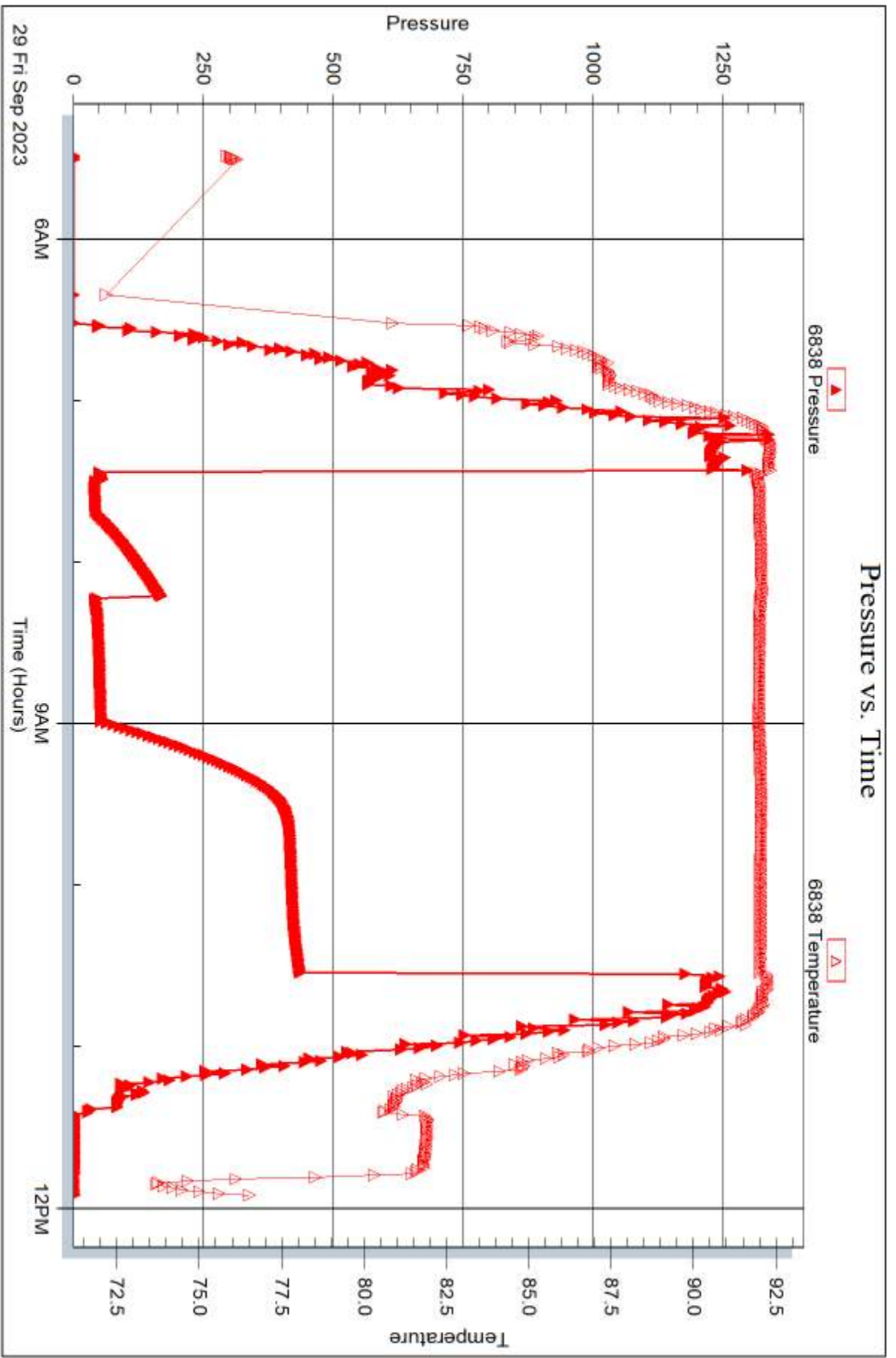
Serial #: 6838

Inside

Becker Oil Corporation

S&E Ranch #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71145

Printed: 2023.10.03 @ 12:20:11



## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

PO BOX 1150  
Ponca City OK 74602+1150

ATTN: Clyde Becker

### **S&E Ranch #1**

#### **19-23s-22w Hodgeman KS**

Start Date: 2023.09.29 @ 23:11:00

End Date: 2023.09.30 @ 04:30:52

Job Ticket #: 71146                      DST #: 2

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

Printed: 2023.10.03 @ 12:19:41

Becker Oil Corporation  
19-23s-22w Hodgeman KS  
S&E Ranch #1  
DST # 2  
Towanda  
2023.09.29



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

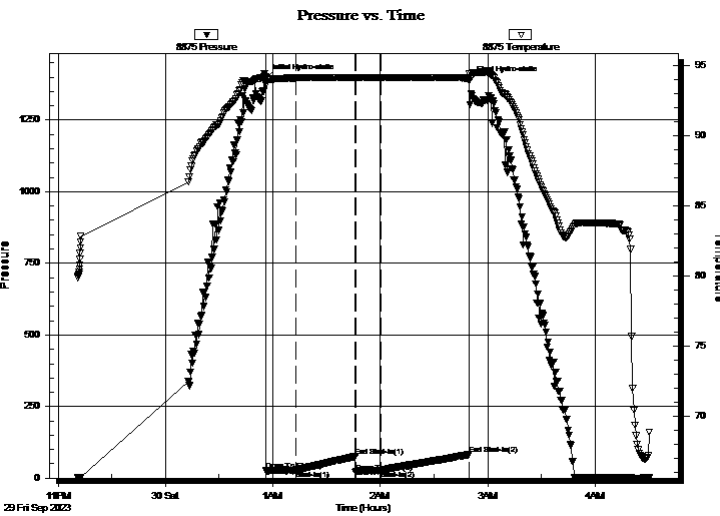
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71146 **DST#: 2**  
 Test Start: 2023.09.29 @ 23:11:00

## GENERAL INFORMATION:

Formation: **Towanda**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:56:02  
 Time Test Ended: 04:30:52  
 Interval: **2571.00 ft (KB) To 2613.00 ft (KB) (TVD)**  
 Total Depth: 2613.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Spencer J Staab  
 Unit No: 84  
 Reference Elevations: 2379.00 ft (KB)  
 2371.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8875 Inside**  
 Press@RunDepth: 26.47 psig @ 2575.00 ft (KB) Capacity: psig  
 Start Date: 2023.09.29 End Date: 2023.09.30 Last Calib.: 2023.09.30  
 Start Time: 23:11:01 End Time: 04:30:52 Time On Btm: 2023.09.30 @ 00:55:57  
 Time Off Btm: 2023.09.30 @ 02:49:52

TEST COMMENT: 15-IF-Surface to 1.75"  
 30-ISI-No Return  
 15-FF-Surface to 2"  
 45-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1394.73	94.16	Initial Hydro-static
1	26.59	93.58	Open To Flow (1)
17	26.54	94.10	Shut-In(1)
50	75.22	94.14	End Shut-In(1)
51	20.64	94.14	Open To Flow (2)
65	26.47	94.13	Shut-In(2)
114	82.76	94.12	End Shut-In(2)
114	1388.54	94.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.05

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
PO BOX 1150  
Ponca City OK 74602+1150  
ATTN: Clyde Becker

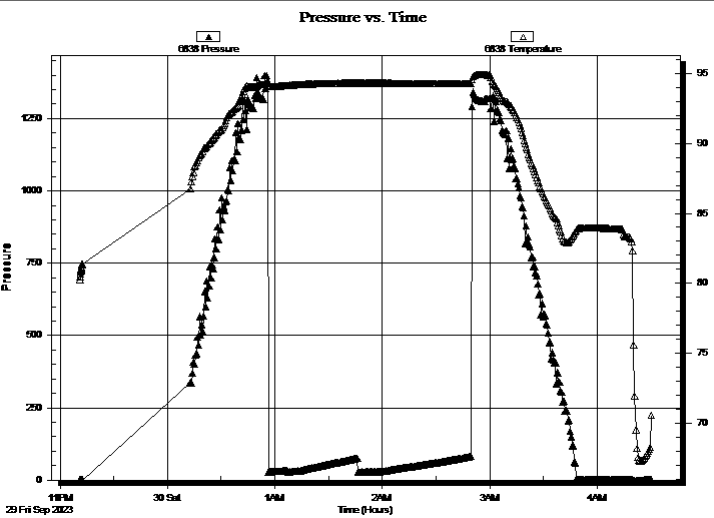
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
Job Ticket: 71146      **DST#: 2**  
Test Start: 2023.09.29 @ 23:11:00

## GENERAL INFORMATION:

<b>Formation:</b> <b>Towanda</b>		
<b>Deviated:</b> No      Whipstock:	ft (KB)	<b>Test Type:</b> Conventional Bottom Hole (Reset)
<b>Time Tool Opened:</b> 00:56:02		<b>Tester:</b> Spencer J Staab
<b>Time Test Ended:</b> 04:30:52		<b>Unit No:</b> 84
<b>Interval:</b> <b>2571.00 ft (KB) To 2613.00 ft (KB) (TVD)</b>		<b>Reference Elevations:</b> 2379.00 ft (KB)
<b>Total Depth:</b> 2613.00 ft (KB) (TVD)		2371.00 ft (CF)
<b>Hole Diameter:</b> 7.88 inches	<b>Hole Condition:</b> Fair	<b>KB to GR/CF:</b> 8.00 ft

<b>Serial #: 6838</b>	<b>Inside</b>				
<b>Press@RunDepth:</b>	psig @	2575.00 ft (KB)	<b>Capacity:</b>		psig
<b>Start Date:</b>	2023.09.29	<b>End Date:</b>	2023.09.30	<b>Last Calib.:</b>	2023.09.30
<b>Start Time:</b>	23:11:01	<b>End Time:</b>	04:30:52	<b>Time On Btm:</b>	
				<b>Time Off Btm:</b>	

**TEST COMMENT:** 15-IF-Surface to 1.75"  
30-ISI-No Return  
15-FF-Surface to 2"  
45-FSI-No Return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.05

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71146      **DST#: 2**  
 Test Start: 2023.09.29 @ 23:11:00

**Tool Information**

Drill Pipe:	Length: 2438.00 ft	Diameter: 3.82 inches	Volume: 34.56 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length:            ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose:	65000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	42000.00 daN
Drill Pipe Above KB:	13.00 ft			Final	42000.00 daN
Depth to Top Packer:	2571.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

**Tool Description**

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			2540.00	
Shut In Tool	5.00			2545.00	
Hydraulic tool	5.00			2550.00	
Jars	5.00			2555.00	
Gap Sub	4.00			2559.00	
Safety Joint	3.00			2562.00	
Packer	5.00			2567.00	32.00 Bottom Of Top Packer
Packer	4.00			2571.00	
Stubb	1.00			2572.00	
Perforations	2.00			2574.00	
Change Over Sub	1.00			2575.00	
Recorder	0.00	6838	Inside	2575.00	
Recorder	0.00	8875	Inside	2575.00	
Drill Pipe	32.00			2607.00	
Change Over Sub	1.00			2608.00	
Perforations	2.00			2610.00	
Bullnose	3.00			2613.00	42.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>74.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Becker Oil Corporation  
PO BOX 1150  
Ponca City OK 74602+1150  
ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
Job Ticket: 71146      **DST#: 2**  
Test Start: 2023.09.29 @ 23:11:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.37 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 48100.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 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:

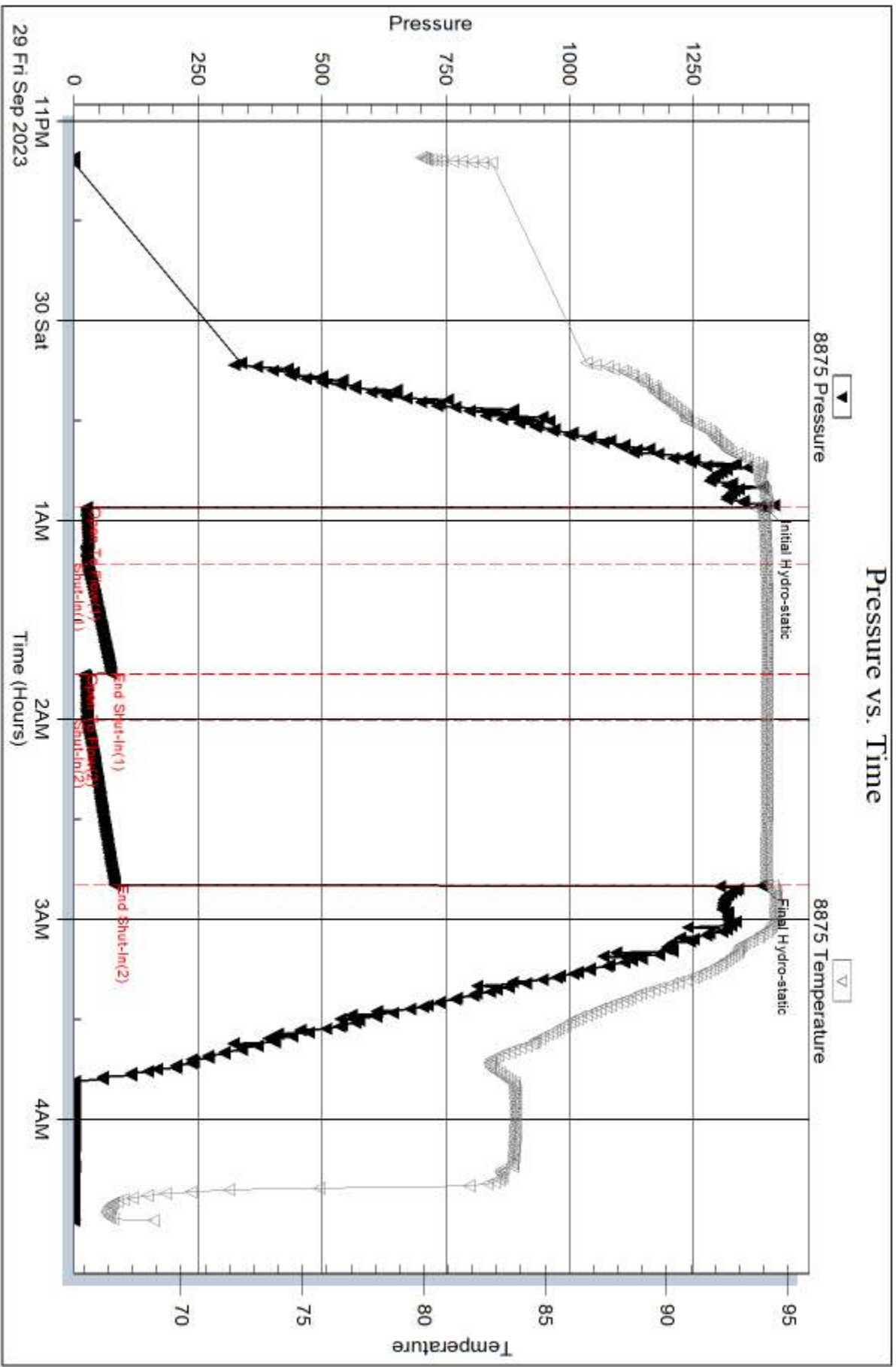
Serial #: 8875

Inside

Becker Oil Corporation

S&E Ranch #1

DST Test Number: 2





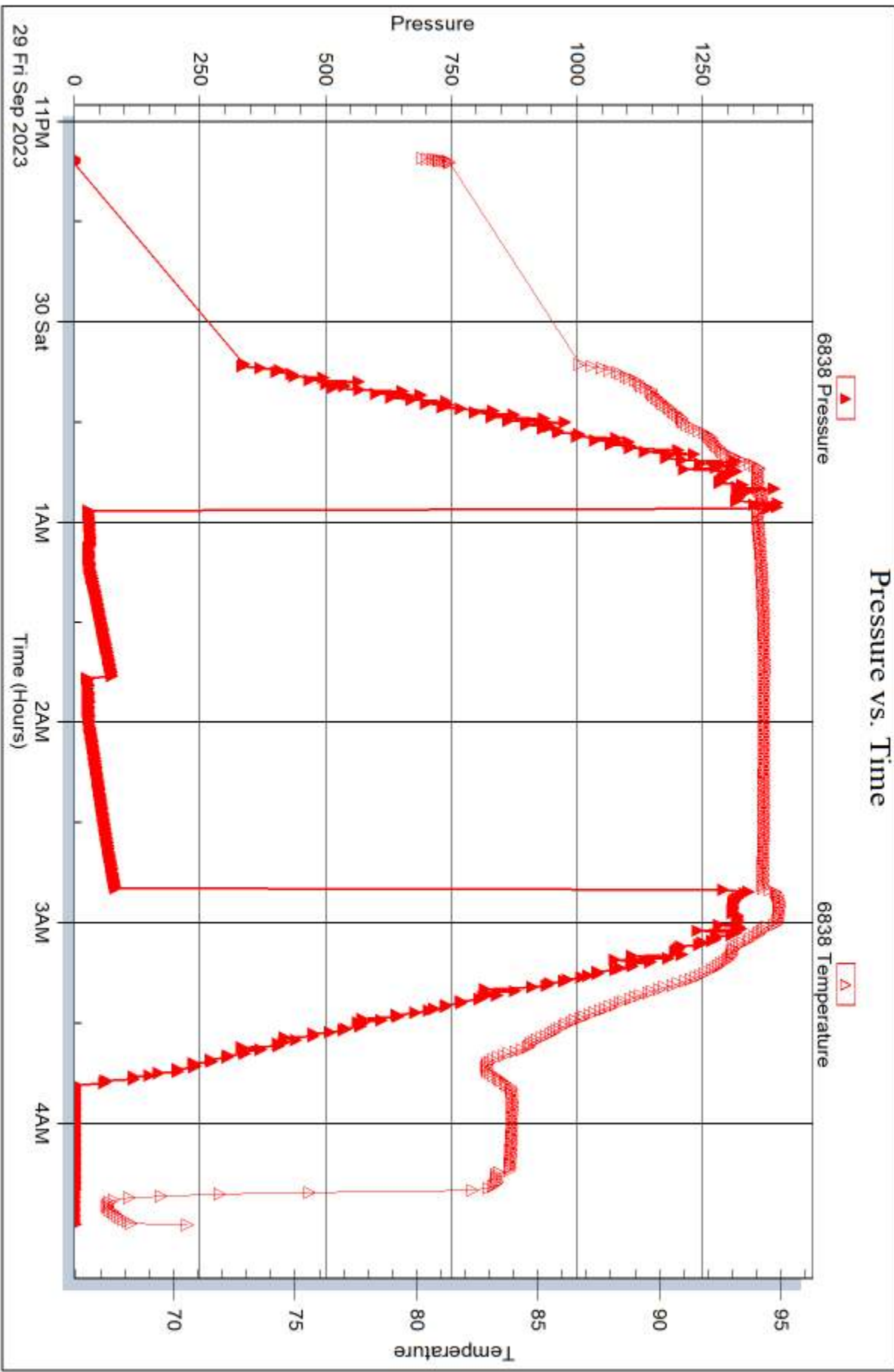
Serial #: 6838

Inside

Becker Oil Corporation

S&E Ranch #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 71146

Printed: 2023.10.03 @ 12:19:42



## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

PO BOX 1150  
Ponca City OK 74602+1150

ATTN: Clyde Becker

### **S&E Ranch #1**

### **19-23s-22w Hodgeman KS**

Start Date: 2023.09.30 @ 09:10:00

End Date: 2023.09.30 @ 14:45:11

Job Ticket #: 71147                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.10.03 @ 11:26:07

Becker Oil Corporation

19-23s-22w Hodgeman KS

S&E Ranch #1

DST # 3

Ft. Riley

2023.09.30



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71147 **DST#: 3**  
 Test Start: 2023.09.30 @ 09:10:00

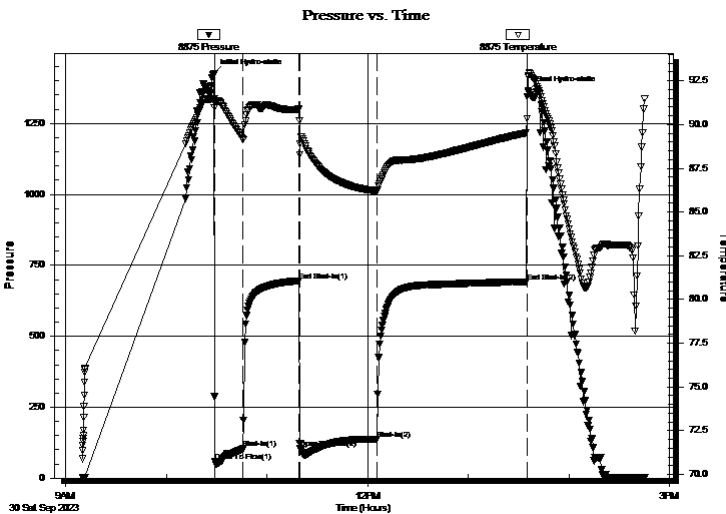
## GENERAL INFORMATION:

Formation: **Ft. Riley**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 10:28:52 Tester: Spencer J Staab  
 Time Test Ended: 14:45:11 Unit No: 84  
 Interval: **2618.00 ft (KB) To 2640.00 ft (KB) (TVD)** Reference Elevations: 2379.00 ft (KB)  
 Total Depth: 2640.00 ft (KB) (TVD) 2371.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

**Serial #: 8875 Outside**  
 Press@RunDepth: 136.92 psig @ 2621.00 ft (KB) Capacity: psig  
 Start Date: 2023.09.30 End Date: 2023.09.30 Last Calib.: 2023.09.30  
 Start Time: 09:10:01 End Time: 14:45:11 Time On Btm: 2023.09.30 @ 10:28:27  
 Time Off Btm: 2023.09.30 @ 13:35:42

**TEST COMMENT:** 15-IF-BOB 30 secs GTS 13 mins Built to 12.28 PSI  
 30-ISI-No Return  
 45-FF-Gauged Gas See attached Gas Volume Report  
 90-FSI-No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.39	91.47	Initial Hydro-static
1	58.28	91.24	Open To Flow (1)
18	103.77	89.15	Shut-In(1)
51	695.11	90.85	End Shut-In(1)
51	105.03	88.28	Open To Flow (2)
98	136.92	86.19	Shut-In(2)
187	692.42	89.53	End Shut-In(2)
188	1364.01	92.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	GM 10%G 90%M	0.44

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.28	10.00
Last Gas Rate	0.13	19.51	13.00
Max. Gas Rate	0.13	19.51	13.00



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

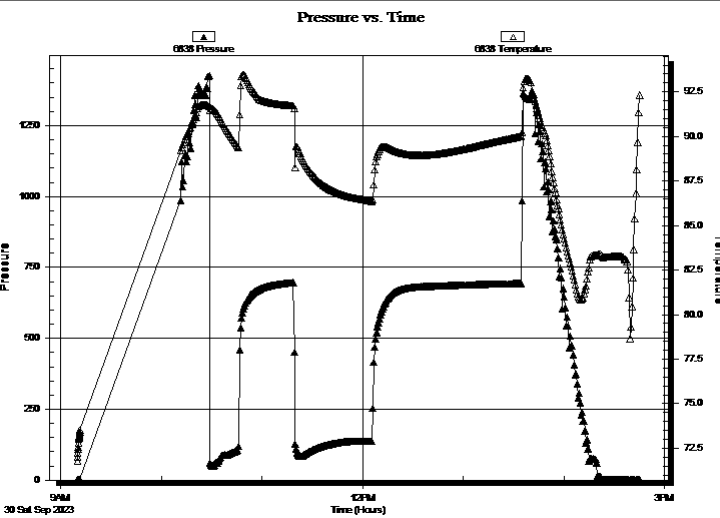
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71147 **DST#: 3**  
 Test Start: 2023.09.30 @ 09:10:00

### GENERAL INFORMATION:

**Formation:** Ft. Riley  
**Deviated:** No Whipstock: ft (KB)  
**Test Type:** Conventional Bottom Hole (Reset)  
**Time Tool Opened:** 10:28:52 **Tester:** Spencer J Staab  
**Time Test Ended:** 14:45:11 **Unit No:** 84  
**Interval:** **2618.00 ft (KB) To 2640.00 ft (KB) (TVD)** **Reference Elevations:** 2379.00 ft (KB)  
**Total Depth:** 2640.00 ft (KB) (TVD) 2371.00 ft (CF)  
**Hole Diameter:** 7.88 inches **Hole Condition:** Fair **KB to GR/CF:** 8.00 ft

**Serial #: 6838 Inside**  
**Press@RunDepth:** psig @ 2621.00 ft (KB) **Capacity:** psig  
**Start Date:** 2023.09.30 **End Date:** 2023.09.30 **Last Calib.:** 2023.09.30  
**Start Time:** 09:10:01 **End Time:** 14:45:11 **Time On Btm:**  
**Time Off Btm:**

**TEST COMMENT:** 15-IF-BOB 30 secs GTS 13 mins Built to 12.28 PSI  
 30-ISI-No Return  
 45-FF-Gauged Gas See attached Gas Volume Report  
 90-FSI-No Return



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
90.00	GM 10%G 90%M	0.44

\* Recovery from multiple tests

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.28	10.00
Last Gas Rate	0.13	19.51	13.00
Max. Gas Rate	0.13	19.51	13.00



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71147      **DST#: 3**  
 Test Start: 2023.09.30 @ 09:10:00

**Tool Information**

Drill Pipe:	Length: 2500.00 ft	Diameter: 3.82 inches	Volume: 35.44 bbl	Tool Weight: 2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 daN
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose: 52000.00 daN
		Total Volume: - bbl		Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 daN
Depth to Top Packer:	2618.00 ft			Final 43000.00 daN
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2587.00	
Shut In Tool	5.00			2592.00	
Hydraulic tool	5.00			2597.00	
Jars	5.00			2602.00	
Gap Sub	4.00			2606.00	
Safety Joint	3.00			2609.00	
Packer	5.00			2614.00	32.00 Bottom Of Top Packer
Packer	4.00			2618.00	
Stubb	1.00			2619.00	
Perforations	2.00			2621.00	
Recorder	0.00	6838	Inside	2621.00	
Recorder	0.00	8875	Outside	2621.00	
Perforations	16.00			2637.00	
Bullnose	3.00			2640.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71147      **DST#: 3**  
 Test Start: 2023.09.30 @ 09:10:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 59100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GM 10%G 90%M	0.443

Total Length: 90.00 ft      Total Volume: 0.443 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: 1.5#LCM



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Becker Oil Corporation  
PO BOX 1150  
Ponca City OK 74602+1150  
ATTN: Clyde Becker

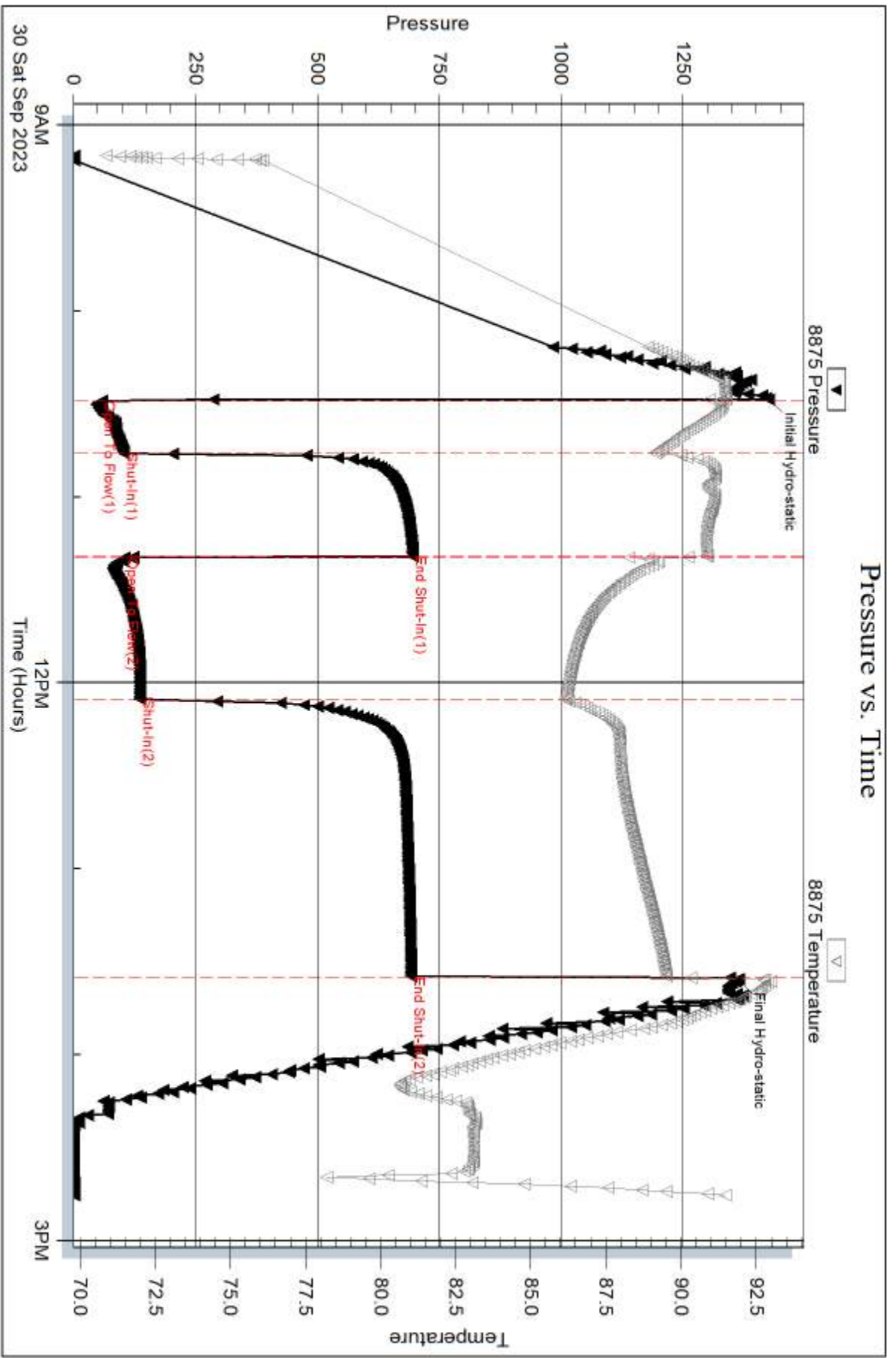
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
Job Ticket: 71147      **DST#: 3**  
Test Start: 2023.09.30 @ 09:10:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	15	0.13	12.28	10.00
1	15	0.13	12.28	10.00
2	5	0.13	13.36	10.00
2	10	0.13	15.04	11.00
2	15	0.13	16.72	12.00
2	20	0.13	18.13	12.00
2	25	0.13	17.96	12.00
2	30	0.13	18.81	12.00
2	35	0.13	19.26	13.00
2	40	0.13	19.51	13.00





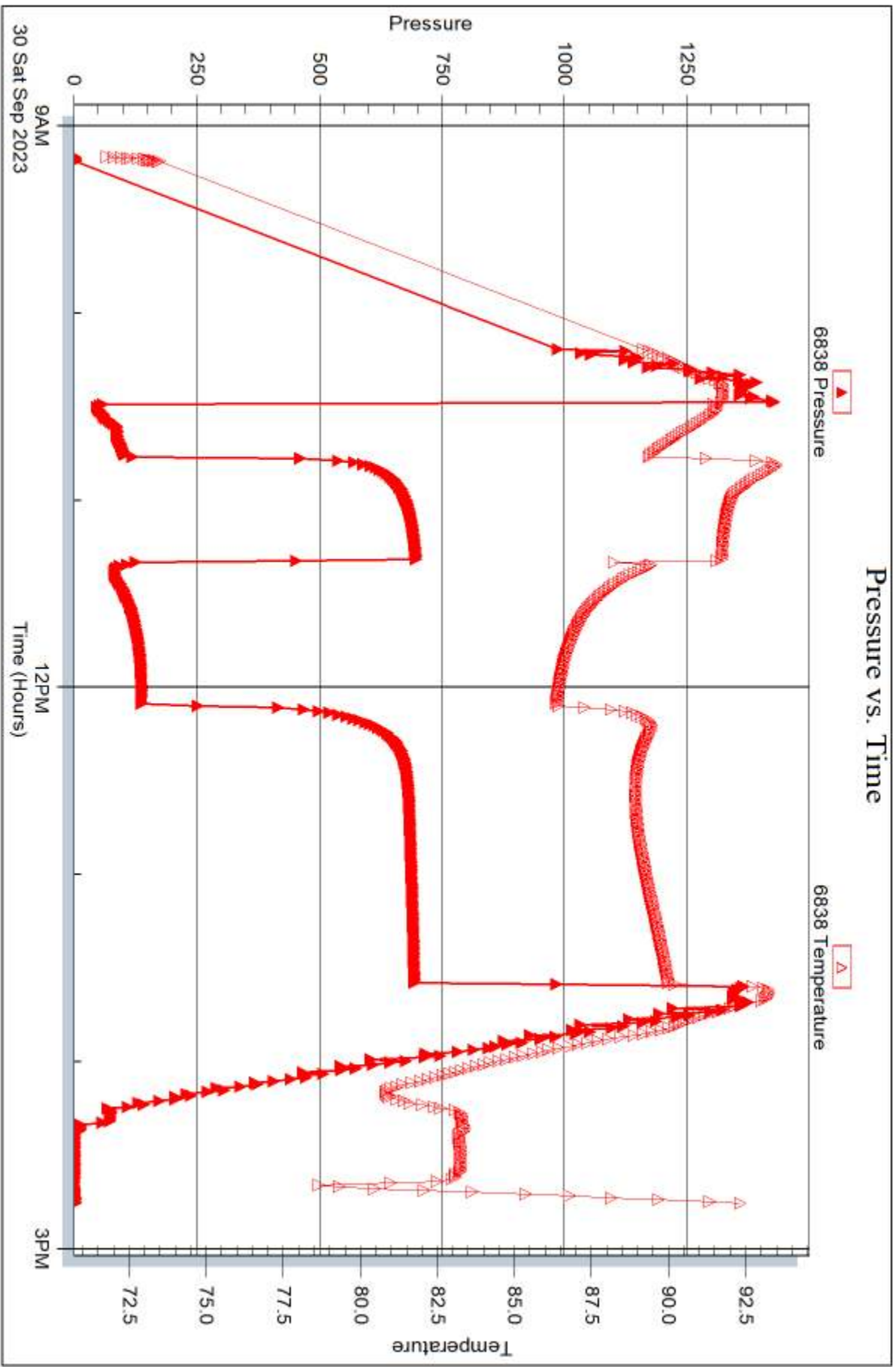
Serial #: 6838

Inside

Becker Oil Corporation

S&E Ranch #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 71147

Printed: 2023.10.03 @ 11:26:08



## DRILL STEM TEST REPORT

Prepared For: **Becker Oil Corporation**

PO BOX 1150  
Ponca City OK 74602+1150

ATTN: Clyde Becker

### **S&E Ranch #1**

#### **19-23s-22w Hodgeman KS**

Start Date: 2023.09.30 @ 22:58:00

End Date: 2023.10.01 @ 05:15:52

Job Ticket #: 71148                      DST #: 4

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

Printed: 2023.10.03 @ 11:02:06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

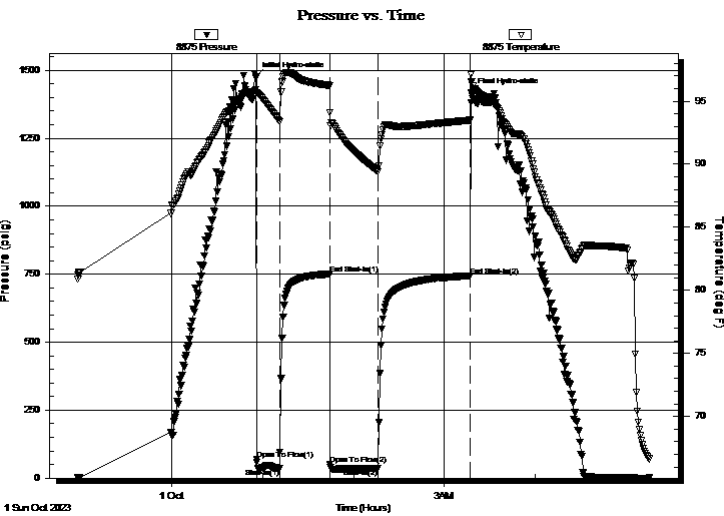
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71148 **DST#: 4**  
 Test Start: 2023.09.30 @ 22:58:00

## GENERAL INFORMATION:

Formation: **Florence**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 00:55:57 Tester: Spencer J Staab  
 Time Test Ended: 05:15:52 Unit No: 84  
 Interval: **2682.00 ft (KB) To 2702.00 ft (KB) (TVD)** Reference Elevations: 2379.00 ft (KB)  
 Total Depth: 2702.00 ft (KB) (TVD) 2371.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

**Serial #: 8875 Outside**  
 Press@RunDepth: 36.29 psig @ 2683.00 ft (KB) Capacity: psig  
 Start Date: 2023.09.30 End Date: 2023.10.01 Last Calib.: 2023.10.01  
 Start Time: 22:58:01 End Time: 05:15:52 Time On Btm: 2023.10.01 @ 00:55:42  
 Time Off Btm: 2023.10.01 @ 03:17:47

**TEST COMMENT:** 15-IF-BOB 30 secs GTS 8 mins See Gas Volume Report  
 30-ISI-No Return  
 30-FF-Gauged Gas Gas did burn  
 60-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1475.02	95.92	Initial Hydro-static
1	68.69	95.68	Open To Flow (1)
16	36.77	93.38	Shut-In(1)
49	750.71	96.22	End Shut-In(1)
49	50.11	94.11	Open To Flow (2)
81	36.29	89.39	Shut-In(2)
142	745.36	93.53	End Shut-In(2)
143	1418.75	97.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	GM 5%G 95%M	0.34

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.01	7.00
Last Gas Rate	0.13	1.77	6.00
Max. Gas Rate	0.13	4.01	7.00



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Becker Oil Corporation  
PO BOX 1150  
Ponca City OK 74602+1150  
ATTN: Clyde Becker

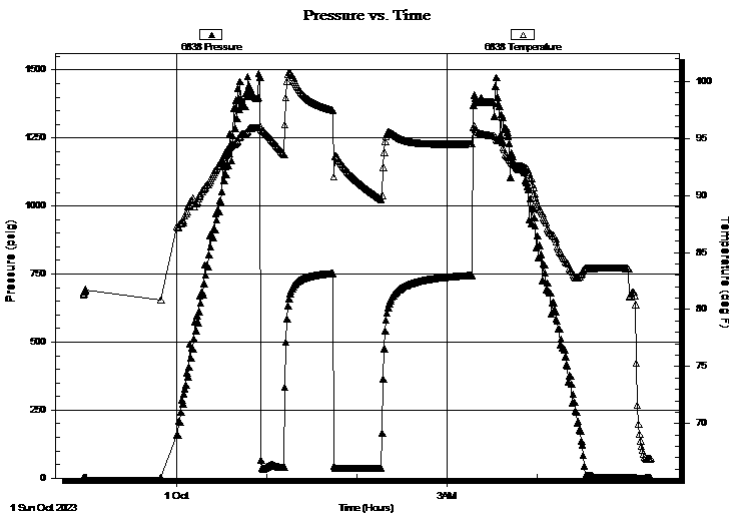
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
Job Ticket: 71148      **DST#: 4**  
Test Start: 2023.09.30 @ 22:58:00

## GENERAL INFORMATION:

Formation: **Florence**  
Deviated: No Whipstock:                  ft (KB)  
Time Tool Opened: 00:55:57  
Time Test Ended: 05:15:52  
**Interval: 2682.00 ft (KB) To 2702.00 ft (KB) (TVD)**  
Total Depth: 2702.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Spencer J Staab  
Unit No: 84  
Reference Elevations: 2379.00 ft (KB)  
2371.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 6838 Inside**  
Press@RunDepth:                  psig @ 2683.00 ft (KB)      Capacity:    psig  
Start Date: 2023.09.30      End Date: 2023.10.01      Last Calib.: 2023.10.01  
Start Time: 22:58:01      End Time: 05:15:52      Time On Btm:  
Time Off Btm:

TEST COMMENT: 15-IF-BOB 30 secs GTS 8 mins See Gas Volume Report  
30-ISI-No Return  
30-FF-Gauged Gas Gas did burn  
60-FSI-No Return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	GM 5%G 95%M	0.34

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.01	7.00
Last Gas Rate	0.13	1.77	6.00
Max. Gas Rate	0.13	4.01	7.00

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Becker Oil Corporation  
 PO BOX 1150  
 Ponca City OK 74602+1150  
 ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
 Job Ticket: 71148 **DST#: 4**  
 Test Start: 2023.09.30 @ 22:58:00

**Tool Information**

Drill Pipe:	Length: 2564.00 ft	Diameter: 3.82 inches	Volume: 36.35 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 114.00 ft	Diameter: 2.25 inches	Volume: 0.56 bbl	Weight to Pull Loose:	54000.00 daN
		Total Volume: - bbl		Tool Chased	ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	42000.00 daN
Depth to Top Packer:	2682.00 ft			Final	42000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	52.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			2651.00	
Shut In Tool	5.00			2656.00	
Hydraulic tool	5.00			2661.00	
Jars	5.00			2666.00	
Gap Sub	4.00			2670.00	
Safety Joint	3.00			2673.00	
Packer	5.00			2678.00	32.00 Bottom Of Top Packer
Packer	4.00			2682.00	
Stubb	1.00			2683.00	
Recorder	0.00	6838	Inside	2683.00	
Recorder	0.00	8875	Outside	2683.00	
Perforations	16.00			2699.00	
Bullnose	3.00			2702.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Becker Oil Corporation  
PO BOX 1150  
Ponca City OK 74602+1150  
ATTN: Clyde Becker

**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
Job Ticket: 71148      **DST#: 4**  
Test Start: 2023.09.30 @ 22:58:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 59100.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GM 5%G 95%M	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: 1.5#LCM



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Becker Oil Corporation  
PO BOX 1150  
Ponca City OK 74602+1150  
ATTN: Clyde Becker

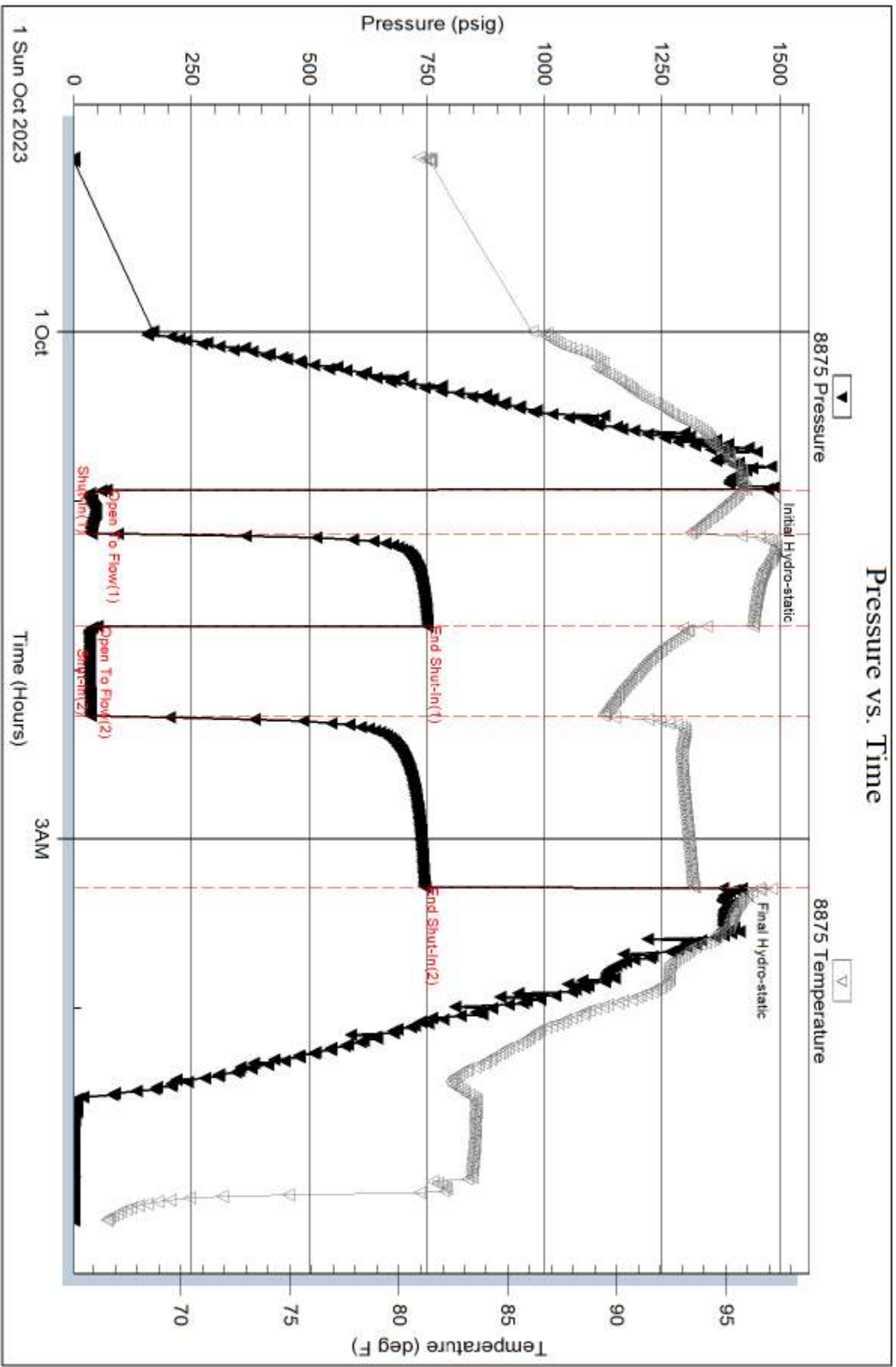
**19-23s-22w Hodgeman KS**  
**S&E Ranch #1**  
Job Ticket: 71148      **DST#: 4**  
Test Start: 2023.09.30 @ 22:58:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.13	4.01	7.00
1	15	0.13	1.86	6.00
2	5	0.13	2.18	6.00
2	10	0.13	2.02	6.00
2	15	0.13	1.90	6.00
2	20	0.13	1.83	6.00
2	25	0.13	1.79	6.00
2	30	0.13	1.77	6.00





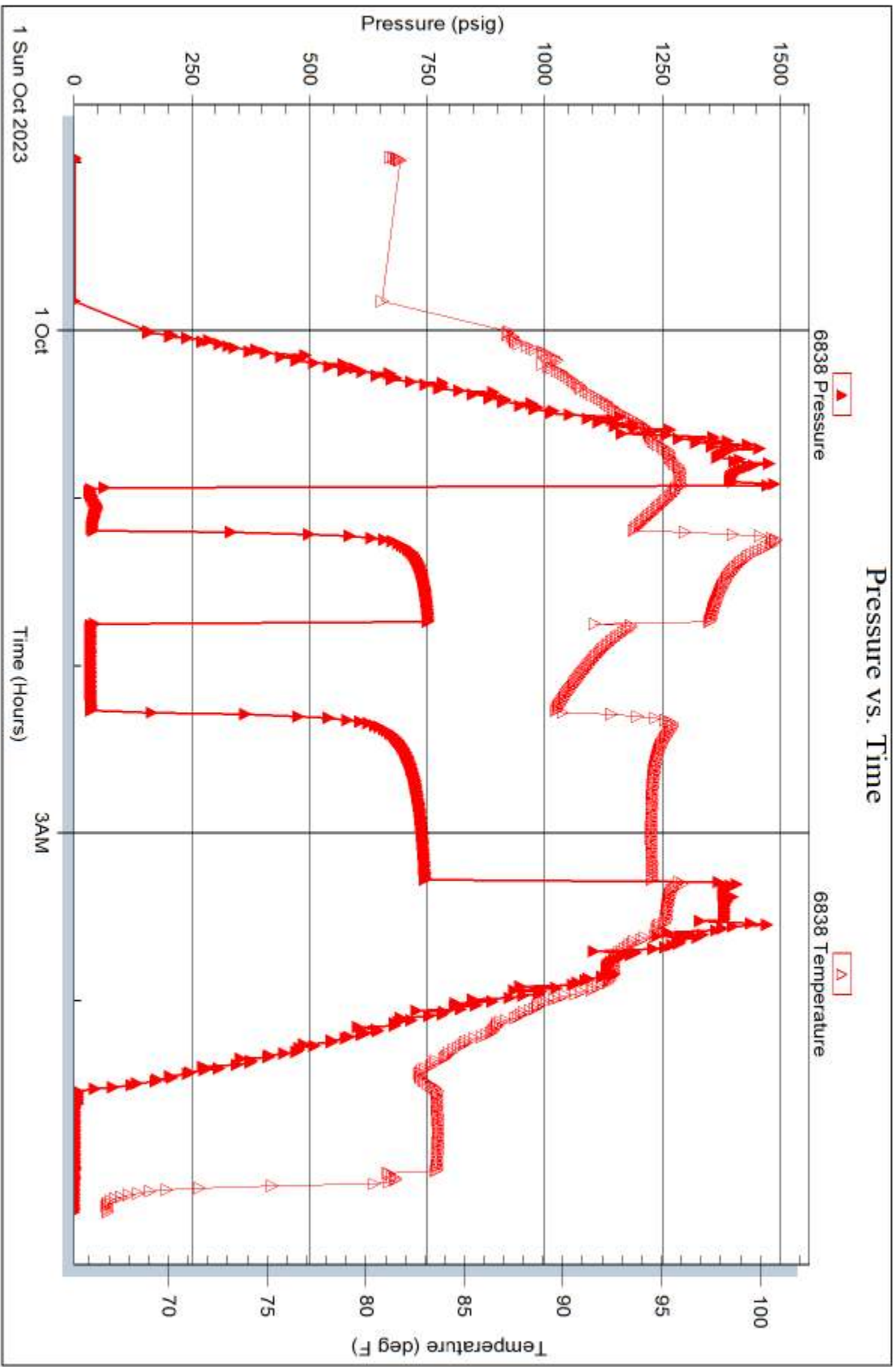
Serial #: 6838

Inside

Becker Oil Corporation

S&E Ranch #1

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 71145

Well Name & No. S & E Ranch #1 Test No. 1 Date 09/29/2023  
 Company Becher Oil Corporation Elevation 2379 KB 2371 GL  
 Address PO BOX 1150 Ponca City OK 74602 +1150  
 Co. Rep / Geo Clyde Becher Rig Duke #2  
 Location: Sec. 19 Twp 23 S Rge. 22 W Co. Hodgeman State KS

Interval Tested 2405'-2470' Zone Tested Krider  
 Anchor Length 65' Drill Pipe Run 2279' Mud Wt. 9.8  
 Top Packer Depth 2400' Drill Collars Run #14' Vis AB  
 Bottom Packer Depth 2405' Wt. Pipe Run - WL 8.4  
 Total Depth 2470' Chlorides 48,100 ppm System LCM 2#

Blow Description 77-BOB 9.5 mins; Built to 17.75"  
75A - No Return  
77-BOB 1 min; Built to 7.3"  
75A - No Return

Rec	Feet of	%gas	%oil	%water	%mud
10'	GM	10			90
	500' ?	Questionable Gas			

Rec Total 10' BHT 91° Gravity - API RW - @ - °F Chlorides - ppm  
 Initial Hydrostatic 1300  Test 1800  Ruined Shale Packer  
 Initial Flow 49 to 42  Jars 300  Ruined Packer  
 Initial Shut-In 169  Circ Sub  Hotel Jetmore  
 Final Flow 40 to 53  Hourly Standby  EM Tool Successful -175  
 Final Shut-In 434  Mileage 16827  Accessibility  
 Final Hydrostatic 1256  Sampler 66mi 115.50 11mi 19.25  Gas Sample  
 T-On Location 03:48  Straddle  Oversized Hole  
 Initial Flow 15 T-Started 05:29  Shale Packer  Sub Total -175  
 Initial Shut-In 30 T-Open 07:26  Extra Packer  Total 2059.75  
 Final Flow 45 T-Pulled 10:26  Extra Recorder  Tool Loaded @  
 Final Shut-In 90 T-Out 11:55  Day Standby  MP/DST Disc't

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Spencer J. [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. 71146

Well Name & No. S & E Ranch #1 Test No. 2 Date 09/29/2023  
 Company Becker Oil Corporation Elevation 2379' KB 2371' GL  
 Address PO BOX 1150 Ponca City OK 74602 + 1150  
 Co. Rep / Geo Tim Rig Duko #2  
 Location: Sec. 19 Twp 23 Rge. 22w Co. Hodgeman State Ks

Interval Tested 2571'-2613' Zone Tested Towanda  
 Anchor Length 42' Drill Pipe Run 2438' Mud Wt. 9.7  
 Top Packer Depth 2566' Drill Collars Run 114' Vis 66  
 Bottom Packer Depth 2571' Wt. Pipe Run - WL 8.4  
 Total Depth 2613' Chlorides 48,100 ppm System LCM 2#

Blow Description 17- Surface to 1.75"  
1SD - No Return  
47- Surface to 2"  
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud</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 940 Gravity - API RW - @ - \*F Chlorides - ppm  
 Initial Hydrostatic 1394  Test 1800  Ruined Shale Packer  
 Initial Flow 26 to 26  Jars 300  Ruined Packer  
 Initial Shut-In 75  Circ Sub  Hotel  
 Final Flow 20 to 26  Hourly Standby  EM Tool Successful  
 Final Shut-In 82  Mileage 22.7 38.50  Accessibility  
 Final Hydrostatic 1388  Sampler  Gas Sample  
 T- On Location 22:29  Straddle  Oversized Hole  
 Initial Flow 15 T-Started 23:11  Shale Packer  Sub Total 0  
 Initial Shut-In 30 T-Open 00:56  Extra Packer  Total 2138.50  
 Final Flow 15 T-Pulled 02:41  Extra Recorder  Tool Loaded @  
 Final Shut-In 45 T-Out 04:30  Day Standby  MP/DST Disc't

Comments mileage from Jetmore hotel

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 71147

Well Name & No. S+E Ranch #1 Test No. 3 Date 09/30/2023  
 Company Becker Oil Corporation Elevation 2379' KB 2371' GL  
 Address PO BOX 1150 Ponca City 74602 +1150  
 Co. Rep / Geo Tim Hedrick Rig Duke #2  
 Location: Sec. 19 Twp 23N Rge. 22W Co. Hodgeman State KS

Interval Tested 2618'-2640' Zone Tested H Riley  
 Anchor Length 22' Drill Pipe Run 2500' Mud Wt. 9.65  
 Top Packer Depth 2613' Drill Collars Run 114' Vis 48  
 Bottom Packer Depth 2618' Wt. Pipe Run — WL 13.6  
 Total Depth 2640' Chlorides 59100 ppm System LCM 1.5#

Blow Description 17-BOB 30 secs; 17S 13 mins; Built to 12.28 psi  
1SD - No Return  
77- Graged Gas; See attached Gas Volume Report  
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
90'	GM	10			90

Rec Total 90' BHT 89° Gravity — API RW — @ — °F Chlorides — ppm  
 Initial Hydrostatic 1426  Test 1800  Ruined Shale Packer  
 Initial Flow 58 to 103  Jars 300  Ruined Packer  
 Initial Shut-In 695  Circ Sub  Hotel  
 Final Flow 105 to 136  Hourly Standby  EM Tool Successful -175  
 Final Shut-In 692  Mileage 2227 38.50  Accessibility  
 Final Hydrostatic 1364  Sampler  Gas Sample 80  
 Straddle  Oversized Hole  
 Initial Flow 15 T- On Location 08:51  Shale Packer  Sub Total 80 - 175  
 Initial Shut-In 30 T- Started 09:10  Extra Packer  Total 2043.50  
 Final Flow 45 T- Open 10:29  Extra Recorder  Tool Loaded @  
 Final Shut-In 90 T- Pulled 13:29  Day Standby  MP/DST Disc't  
 T- Out 14:45

Comments mileage from jetmore hotel

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Gas Volume Report

8/12

Becker Oil Corporation  
Operator

S & E Ranch #1  
Well Name and No.

3  
DST No.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
15	12.28	1/8th	9.36 mcf/d				
				5	13.36	1/8th	9.73
				10	15.04	1/8th	10.31
				15	16.72	1/8th	10.90
				20	18.13	1/8th	11.39
				25	17.96	1/8th	11.32
				30	18.81	1/8th	11.62
				35	19.26	1/8th	11.78
				40	19.51	1/8th	11.87
				45	19.94	1/8th	12.01

Remarks:



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 71148

Well Name & No. S & E Ranch #1 Test No. 4 Date 09/30/2023  
 Company Becker Oil Corporation Elevation 2379' KB 2371' GL  
 Address PO BOX 1150 Ponca City OK 74602 +1150  
 Co. Rep / Geo Tim Hedrich Rig Duke #2  
 Location: Sec. 19 Twp 23S Rge. 22W Co. Hodgeman State KS

Interval Tested 2682' - 2702' Zone Tested Florence  
 Anchor Length 20' Drill Pipe Run 2564' Mud Wt. 9.65  
 Top Packer Depth 2677' Drill Collars Run 114' Vis 48  
 Bottom Packer Depth 2682' Wt. Pipe Run - WL 13.6  
 Total Depth 2702' Chlorides 59,100 ppm System LCM 1.5#

Blow Description 19-BOB 30 secs; GTS 8 min; See Gas Volume Report  
150- No Return  
77- Gauged Star; Gas would burn  
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>GM</u>	<u>5</u>	<u>8</u>	<u>95</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 70' BHT 93° Gravity - API RW - @ - °F Chlorides - ppm

Initial Hydrostatic 1475  Test 1800  Ruined Shale Packer  
 Initial Flow 68 to 36  Jars 300  Ruined Packer  
 Initial Shut-In 750  Circ Sub  Hotel  
 Final Flow 50 to 36  Hourly Standby  EM Tool Successful -350  
 Final Shut-In 745  Mileage 2217.2  Accessibility  
 Final Hydrostatic 1418  Sampler 38.50 + 19.25 + 115.50  Gas Sample 80  
 T-On Location 22:15  Straddle  Oversized Hole  
 Initial Flow 15 T-Started 22:58  Shale Packer  Sub Total 80 - 350  
 Initial Shut-In 30 T-Open 00:56  Extra Packer  Total 2003.25  
 Final Flow 30 T-Pulled 03:11  Extra Recorder  Tool Loaded 10/01 @ 11:30  
 Final Shut-In 60 T-Out 05:15  Day Standby  MP/DST Disc't

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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8/12

# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Gas Volume Report

Becker Oil Corporation S&C Ranch #1  
Operator Well Name and No.

4  
DST No.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	4.01	1/8th	6.49	5	2.18	1/8th	5.85
15	1.86	1/8th	5.74	10	2.02	1/8th	5.80
				15	1.90	1/8th	5.75
				20	1.83	1/8th	5.73
				25	1.79	1/8th	5.72
				30	1.77	1/8th	5.71

Remarks:

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



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

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

Laura Kelly, Governor

March 02, 2024

Clyde Becker, Jr.  
Becker Oil Corporation  
PO BOX 1150  
PONCA CITY, OK 74602-1150

Re: ACO-1  
API 15-083-22031-00-00  
S AND E RANCH 1  
SW/4 Sec.19-23S-22W  
Hodgeman County, Kansas

Dear Clyde Becker, Jr.:

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 09/25/2023 and the ACO-1 was received on February 13, 2024 (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