

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Becker Oil Corporation
Well Name	LADENBERGER 2
Doc ID	1421142

Tops

Name	Top	Datum
Stone Corral Anhydrite	2512	(+480)
Heebner Shale	3983	(-1021)
Lansing Group	4022	(-1060)
Base Kansas City	4297	(-1235)
Pawnee Ls.	4420	(-1358)
Cherokee Shale	4514	(-1452)
Base Penn. Ls.	4569	(-1507)
Miss.	4583	(-1521)
Drlr. TD	4650	(-1588)
Log TD	4646	(-1584)

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 321469

DATE SHIPPED 4-27-18	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE Hoys	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET

SOLD TO
Becker oil corp.

ADDRESS

CITY, STATE, ZIP

SHIPPED TO
WW 2

SHIPPED VIA
70-30

ORDER NO.
31677

WELL NAME & NO
Zadenberger 2

COUNTY, STATE
Thomas 105

SEC TWN RNG
36 10 31

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN857797	50#	19	Bag			
2. Mud-Co Gel	100#	245	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#	6	Bag			
6. Cotton Seed Hulls	50#	200	Bag			
7. Soda Ash	50#	49	Bag			
8. Lignite	50#	20	Bag			
9. Drill Pac	50#	9	Bag			
10. Desco	25#	2	Bag			
11. Co-Poly L	5gal	2	BKT			
12. X-Clide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19. <i>New Start John</i>						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	
DATE RECEIVED	@			SALES TAX
	@			
	@			TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL

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PLEASE PRESS FIRMLY: YOU ARE MAKING THREE COPIES

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 321471

DATE SHIPPED 4-27-18	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE Hays	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET

SOLD TO Becker Oil Corp	SHIPPED TO WWZ	WELL NAME & NO Cadenberger # 2
ADDRESS	SHIPPED VIA 71	COUNTY, STATE Thomas, Ks.
CITY, STATE, ZIP	ORDER NO.	SEC TWN RNG 36 10 31

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	5	Bag			
2. Mud-Co Gel	100#	210	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	50#		Bag			
7. Soda Ash	50#		Bag			
8. Lignite	50#		Bag			
9. Drill Pac	50#		Bag			
10. Desco	25#		Bag			
11. Co-Poly L	5gal		BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20. Restock						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	
DATE RECEIVED	@			SALES TAX
	@			
	@			TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET

321510

DATE SHIPPED 5-8-18	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL TICKET 3
DELIVERING WAREHOUSE Hays	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	

SOLD TO Becker oil Corp	SHIPPED TO WW2	WELL NAME & NO Ladenberger 2
ADDRESS	SHIPPED VIA 65-30	COUNTY, STATE Thomas
CITY, STATE, ZIP	ORDER NO.	SEC TWN RNG 36 10 31

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	14	Bag			
2. Mud-Co Gel	100#	98	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	50#	90	Bag			
7. Soda Ash	50#	13	Bag			
8. Lignite	50#	11	Bag			
9. Drill Pac	50#	5	Bag			
10. Desco	25#	2	Bag			
11. Co-Poly L	5gal	1	BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19. final credit John						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	
DATE RECEIVED	@			SALES TAX
	@			
	@			TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL

Mud-Co / Service Mud Inc.

Operator Becker Oil Corporation **County** Thomas **State** Kansas **Pump** 6 X 14 X 60 SPM **Casing Program** 8 5/8" @ 260 ft.
Well #2 Ladenberger **Location** **GPM** 8.22 BPM
Contractor WW Drilling Co. **Sec** 36 **TWP** 10S **RNG** 31W **D.P.** 4.5 in. **203** FT/MIN R.A. **FT/MIN R.A.** 369
Stockpoint Hays, Ks. **Date** 4/27/2018 **Engineer** Reid Atkins **Collar** 6.25 in. 478 ft. **Total Depth** 4650' ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY		GELS 10 sec/ 10 min.	pH	FILTRATION/FILTRATION ANALYSIS				SAND %	RETORT			L.C.M.	Pump Press PSI	CUMULATIVE COST	REMARKS AND TREATMENT	
			Sec API @	F @			mi API	ml 32 hrs	Ca ppm	Cl ppm		Prek #BBL	Solids %	Oil %					Water %
4/27	0	0																	
4/29	2456	9.1	32			7.0						150	200		2			4,313	Drig.
4/30	3338	9.2	30			7.0						3,200	620		2			7,938	Drig.
5/1	3865	8.8	60	18	8/23	11.5	6.4	1	1,200	10		1,200	20		1			10,452	Drig.
5/2	4232	9.0	52	17	7/19	11.0	6.8	1	1,500	20		1,500	20		1			10,452	DST 1
5/3	4500	9.4	50	13	9/23	10.0	8.0	1	2,400	80		2,400	80		1			10,514	CFS
5/4	4595	9.2	53	15	8/30	10.0	7.2	1	3,000	40		3,000	40		2			11,066	Drig.
5/5	4650																	11,134	Final
																			LTD - 4646
																			2 DST's
																			Plugged Well.
																			Reserve bit
																			700 bbls
																			Chlorides
																			3400

MATERIALS	SECTS	AMOUNT	MATERIALS	SECTS	AMOUNT
C/S HULLS	110	1835.90			
CAUSTIC SODA	10	625.20			
CO-POLY-L	1	171.12			
DRILL PAK	4	1227.60			
LIME	5	61.38			
PREMIUM GEL	357	6108.27			
SODA ASH	36	865.44			
SUPER LIG	9	239.40			
TOTAL MUD COST			11134.31		
TRUCKING COST			1547.84		
TAXES					
TOTAL COST			12682.15		

MUD-CO / SERVICE MUD INC.
 100 S. Main Suite #310
 Wichita, Ks. 67202
 316/264-2814 Fax: 316/264-5024
DRILLING MUD RECAP

Operator: Becker Oil Corporation
 Lease Name: Ladenberger #2
 Well Info: 36-10s-31w
 County: Thomas
 State: Kansas

Rig # 2

RTD Footage: 4650
 Less KB Footage: 5
 NTD Footage: 4645 12.50 \$58,062.50

Date:	Daywork:	Hours w/ DP:	Hours w/o DP:
4/27/2018	7:00 am, Move in rig & spud		
	Spud 12 1/4" @ 5:00 pm, TD @ 9:30 pm, @ 260' Ran 6 joints of 8 5/8" tally 253.34" set @ 260'		
4/28/2018	7:00 am, WOC		
	Plug down @ 11:45 pm, by Global cement Did Circ WOC - 8 hrs		8.00
	Drilled plug @ 7:45 am Jet #1 @ 1339' add mud treatment		0.50
4/29/2018	7:00 am, Drlg @ 2032'		
	Jet #1 @ 1938'		0.25
	Jet #1 @ 2190' add mud treatment		0.25
	Anhydrite @ 2507'-2537'		
	Jet #2 @ 2663'		0.25
4/30/2018	7:00 am, Drlg @ 3120'		
	Jet #1 @ 2977' add mud treatment		0.25
	Jet #2 @ 3293'		0.25
	Jet & clean suction @ 3452'		1.25
	Jet #1 @ 3469'		0.25
	Displaced @ 3469'		
5/1/2018	7:00 am, TOH w/bit		
	TOH w/bit (bit trip)	4 hrs	
5/2/2018	7:00 am, Drlg @ 4219'		
	CFS @ 4095'		0.25
	CFS @ 4235'		1.00
	Survey		0.25
	Short trip @ 4235' (15 stands)		1.00
	CTCH		1.00

TOH f/DST #1 @ 4235'	1.75	
MUTT	0.25	
TIH w/tool	1.50	
Testing	2.00	
TOH w/tool	1.25	
BDTT	0.50	
TIH w/bit	2.00	
5/3/2018 7:00 am, Drlg @ 4400'		
CFS @ 4500'	1.00	
Short trip @ 4500' (14 stands)	1.50	
CTCH	0.75	
TOH f/DST #2 @ 4500'	1.75	
MUTT	0.50	
TIH w/tool	1.50	
Testing	1.75	
5/4/2018 7:00 am, Drlg @ 4529'		
Testing	0.25	
TOH w/tool	1.75	
BDTT	0.75	
TIH w/bit & ream down	2.75	
Jet #1 @ 4561' add mud treatment	0.25	
RTD, CFS @ 4650'	1.00	
TOH f/Log	1.75	
Rig up Loggers	0.25	
Logging w/Eli (LTD 4646')	4.25	
5/5/2018 7:00 am, Jet pits & Tear down		
TIH w/bit	1.00	
LDDP & collars	2.00	
TIH w/Plugging stands	1.50	
LDDP & plug hole	3.00	
Plug down @ 6:30 am, by Global cementing		
Jet pits & tear down		4.00
Released rig @ 10:30 am		

Total Hours: 53.25 4.00

	QTY:	Price:	
Daywork Hours with Drill Pipe	53.25	350.00	\$18,637.50
Daywork Hours without Drill Pipe	4.00	350.00	\$1,400.00
Fuel Adjustment	1	3405.15	\$3,405.15
Sample Bags	1	125.00	\$125.00
Rig Move	1	4000.00	\$4,000.00
Haul Surface Pipe	4	130.00	\$520.00
Weld Surface Pipe	6	100.00	\$600.00
Straps	1	45.00	\$45.00
Generator Rental	1	700.00	\$700.00
Pump Rental	1	700.00	\$700.00
Set Up	1	650.00	\$650.00
Tear Down	1	650.00	\$650.00
Pull & Set Pump	1	500.00	\$500.00
Line Rental	10	125.00	\$1,250.00
Waterline Mileage	200	1.50	\$300.00
Pit Liner	1	375.00	\$375.00
Water Permit	1	300.00	\$300.00
Frac Tank	1	800.00	\$800.00
			\$0.00
			\$0.00
Total Cost:			\$93,020.15

GLOBAL OIL FIELD SERVICES, LLC

3331

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>5-18-14</u>	SEC. <u>36</u>	TWP. <u>10S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>6:30am</u>
LEASE <u>Ladenberger</u>		WELL #. <u>#2</u>		LOCATION <u>1 north of Campus 1/2 East</u>		COUNTY <u>Thomas</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)			<u>North into</u>				

CONTRACTOR WW Drilling Rig #2

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8" T.D. 4650'

CASING SIZE 7 7/8" DEPTH 2525'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX. _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

OWNER Becker Oil Corp

CEMENT AMOUNT ORDERED 2405x 60/40 P02

4% set w/ Fluor Seal

EQUIPMENT

PUMP TRUCK # 909 CEMENTER Coody

BULK TRUCK # 473 HELPER Brod

BULK TRUCK # _____ DRIVER Tony

BULK TRUCK # _____ DRIVER _____

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
ASC	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
HANDLING	@	_____
MILEAGE	@	_____
		TOTAL _____

REMARKS:

2525' 505x

1660' 1005x

310' 305x

40' wiper plug 105x

Rush hole 305x

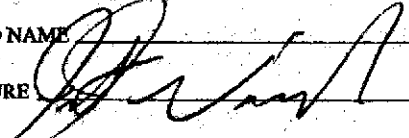
CHARGE TO: Becker Oil Corp

STREET PO BOX 1150

CITY Pocahontas STATE OK ZIP 74602

Global Oil Field Services, LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE 

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

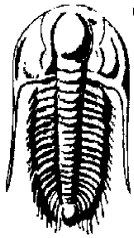
_____ @ _____

TOTAL _____

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Becker Oil Corporation

36-10-31 Thomas Co KS

P.O. Box 1150
Ponca City OK
74602

Ladenberger #2

Job Ticket: 64587

DST#: 1

ATTN: Clyde Becker

Test Start: 2018.05.02 @ 12:27:15

GENERAL INFORMATION:

Formation: **H-I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:15

Time Test Ended: 18:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4140.00 ft (KB) To 4235.00 ft (KB) (TVD)

Reference Elevations: 2962.00 ft (KB)

Total Depth: 4235.00 ft (KB) (TVD)

2957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8647 Inside

Press@RunDepth: 72.22 psig @ 4210.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.05.02

End Date:

2018.05.02

Last Calib.:

2018.05.02

Start Time:

12:27:15

End Time:

18:34:00

Time On Btm:

2018.05.02 @ 14:22:00

Time Off Btm:

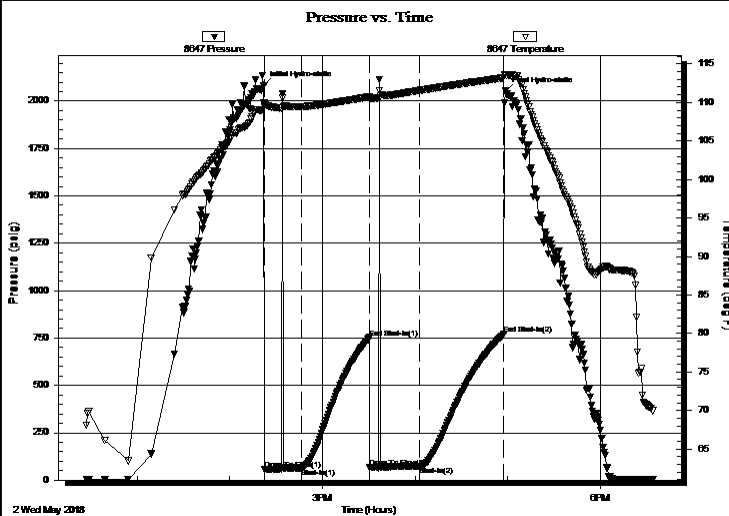
2018.05.02 @ 16:58:45

TEST COMMENT: IF:Weak surface blow died in 3 min. flushed tool ---w eak surface blow

IS:No return blow

FF:No blow ----flushed----no blow

FS:No return blow



PRESSURE SUMMARY

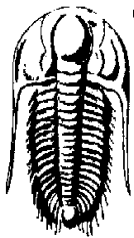
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.50	109.99	Initial Hydro-static
1	56.70	109.46	Open To Flow (1)
25	64.56	109.44	Shut-In(1)
69	751.41	110.72	End Shut-In(1)
69	66.47	110.44	Open To Flow (2)
101	72.22	111.55	Shut-In(2)
156	769.49	113.20	End Shut-In(2)
157	2051.84	113.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100 m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Becker Oil Corporation

36-10-31 Thomas Co KS

P.O. Box 1150

Ladenberger #2

Ponca City OK

Job Ticket: 64587

DST#: 1

74602

Test Start: 2018.05.02 @ 12:27:15

ATTN: Clyde Becker

GENERAL INFORMATION:

Formation: **H-I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:15

Time Test Ended: 18:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4140.00 ft (KB) To 4235.00 ft (KB) (TVD)

Reference Elevations: 2962.00 ft (KB)

Total Depth: 4235.00 ft (KB) (TVD)

2957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8374 Outside

Press@RunDepth: psig @ 4210.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.05.02

End Date:

2018.05.02

Last Calib.:

1899.12.30

Start Time:

12:27:15

End Time:

18:34:00

Time On Btm:

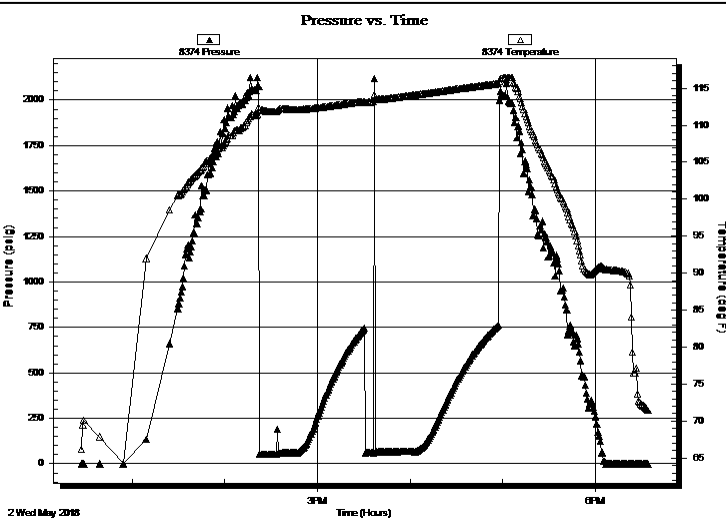
Time Off Btm:

TEST COMMENT: IF:Weak surface blow died in 3 min. flushed tool ---w eak surface blow

IS:No return blow

FF:No blow ----flushed----no blow

FS:No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100 m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corporation

36-10-31 Thomas Co KS

P.O. Box 1150
Ponca City OK
74602

Ladenberger #2

Job Ticket: 64587

DST#: 1

ATTN: Clyde Becker

Test Start: 2018.05.02 @ 12:27:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 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:

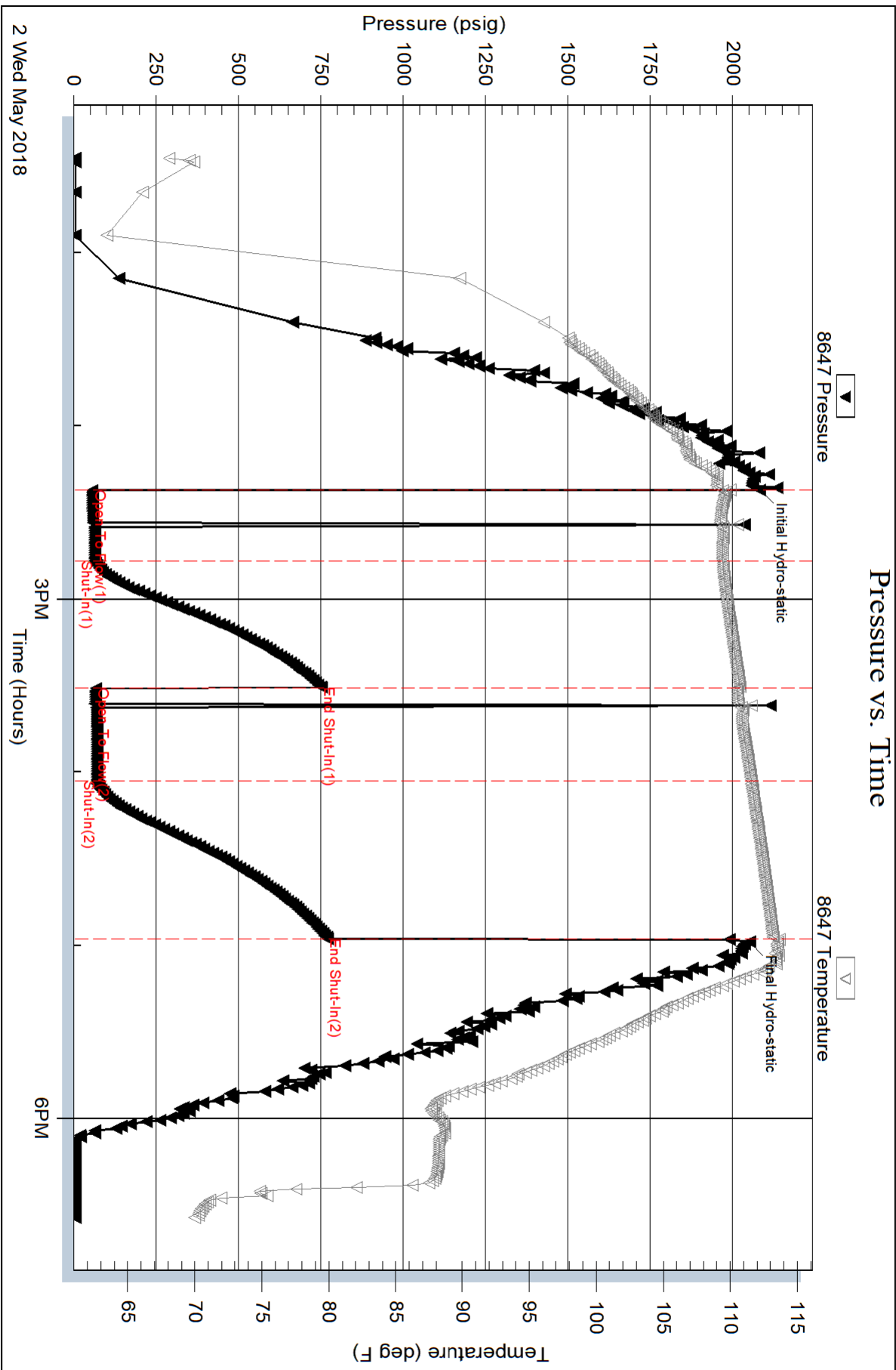
Serial #: 8647

Inside

Becker Oil Corporation

Ladenberger #2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64587

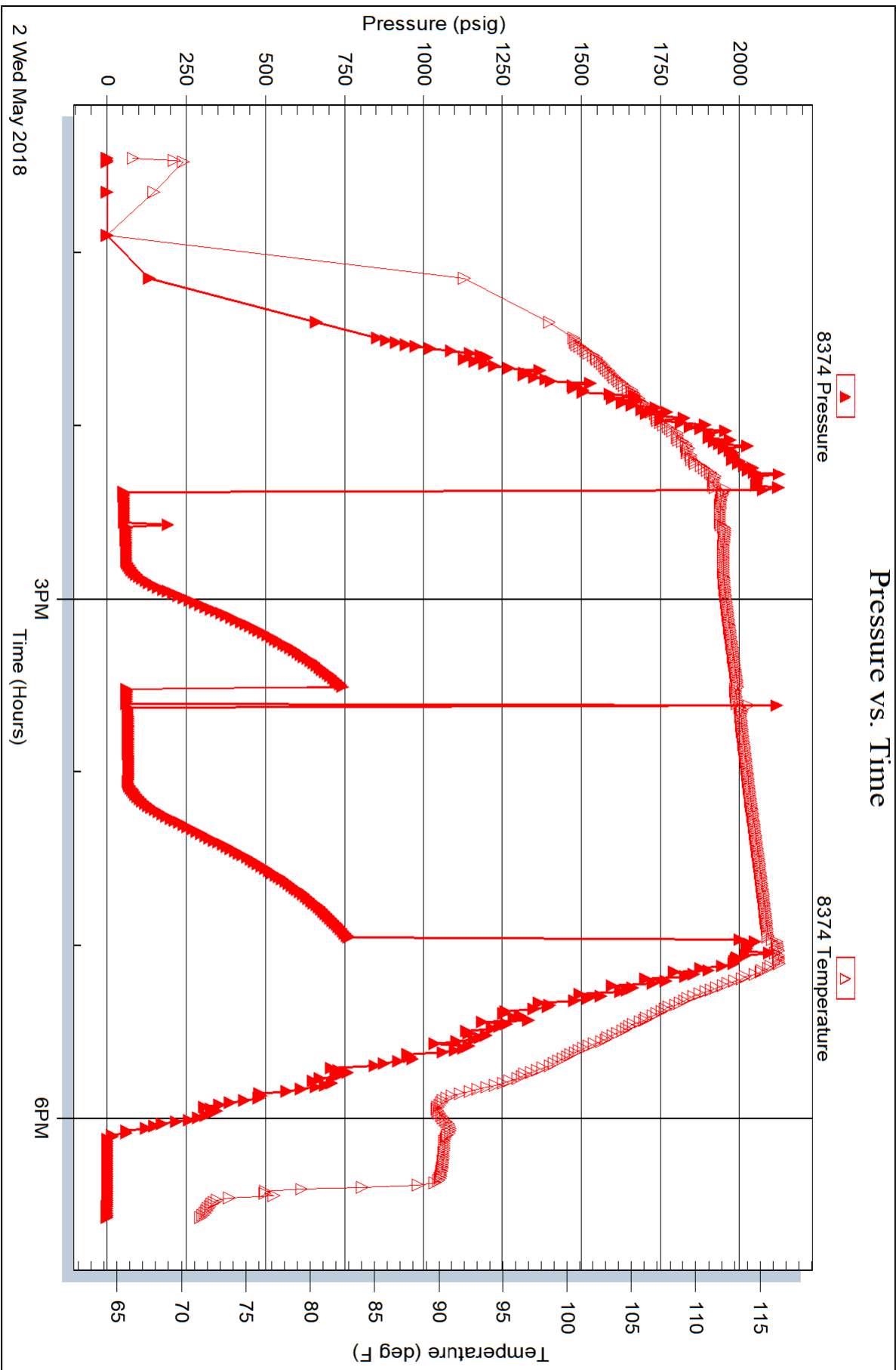
Printed: 2018.05.03 @ 03:08:05

Serial #: 8374

Outside Becker Oil Corporation

Ladenberger #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64587

Printed: 2018.05.03 @ 03:08:05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Becker Oil Corporation
 P.O. Box 1150
 Ponca City OK
 74602
 ATTN: Clyde Becker

36-10-31 Thomas Co KS

Ladenberger #2

Job Ticket: 63588 **DST#: 2**
 Test Start: 2018.05.03 @ 19:12:15

GENERAL INFORMATION:

Formation: **Pawnee- Myrick Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:09:15

Time Test Ended: 01:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **4425.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 2962.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

2957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8647

Inside

Press@RunDepth: 36.99 psig @ 4495.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.05.03 End Date: 2018.05.04

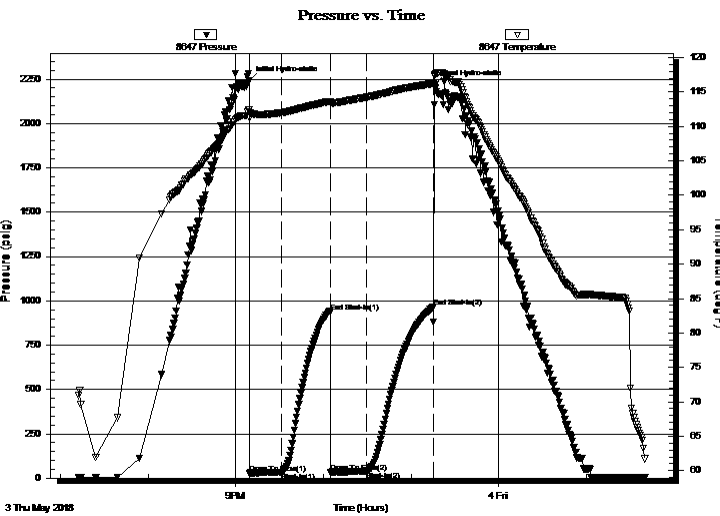
Last Calib.: 2018.05.04

Start Time: 19:12:15 End Time: 01:40:00

Time On Btm: 2018.05.03 @ 21:09:00

Time Off Btm: 2018.05.03 @ 23:16:15

TEST COMMENT: IF: Built to 1/2" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.38	112.47	Initial Hydro-static
1	28.38	111.20	Open To Flow (1)
23	32.45	112.00	Shut-In(1)
56	936.20	113.64	End Shut-In(1)
56	33.99	113.35	Open To Flow (2)
81	36.99	114.24	Shut-In(2)
126	964.33	116.20	End Shut-In(2)
128	2218.45	117.52	Final Hydro-static

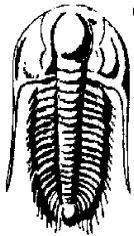
Recovery

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

36-10-31 Thomas Co KS

P.O. Box 1150

Ladenberger #2

Ponca City OK

Job Ticket: 63588

DST#: 2

74602

Test Start: 2018.05.03 @ 19:12:15

ATTN: Clyde Becker

GENERAL INFORMATION:

Formation: **Pawnee- Myrick Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:09:15

Time Test Ended: 01:40:00

Interval: **4425.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Total Depth: 4500.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Reference Elevations: 2962.00 ft (KB)

2957.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8374 Outside

Press@RunDepth: psig @ 4495.00 ft (KB)

Start Date: 2018.05.03 End Date: 2018.05.04

Start Time: 19:12:15 End Time: 01:40:00

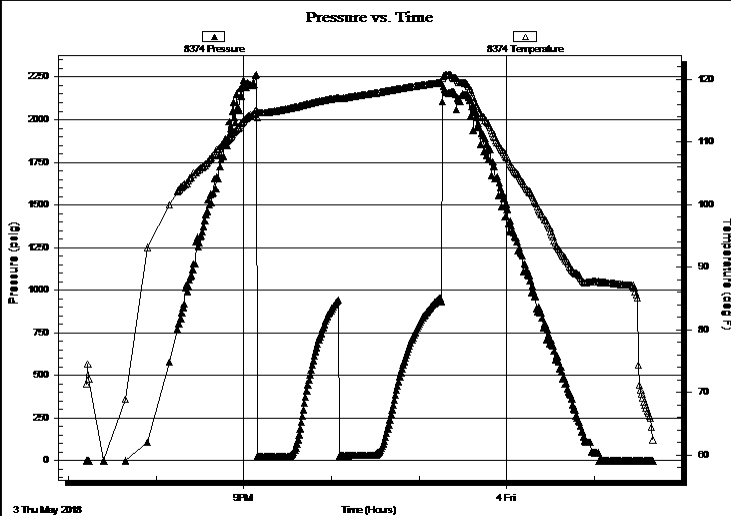
Capacity: 8000.00 psig

Last Calib.: 2018.05.04

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to 1/2" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Becker Oil Corporation

36-10-31 Thomas Co KS

P.O. Box 1150
Ponca City OK
74602

Ladenberger #2

Job Ticket: 63588

DST#: 2

ATTN: Clyde Becker

Test Start: 2018.05.03 @ 19:12:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 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

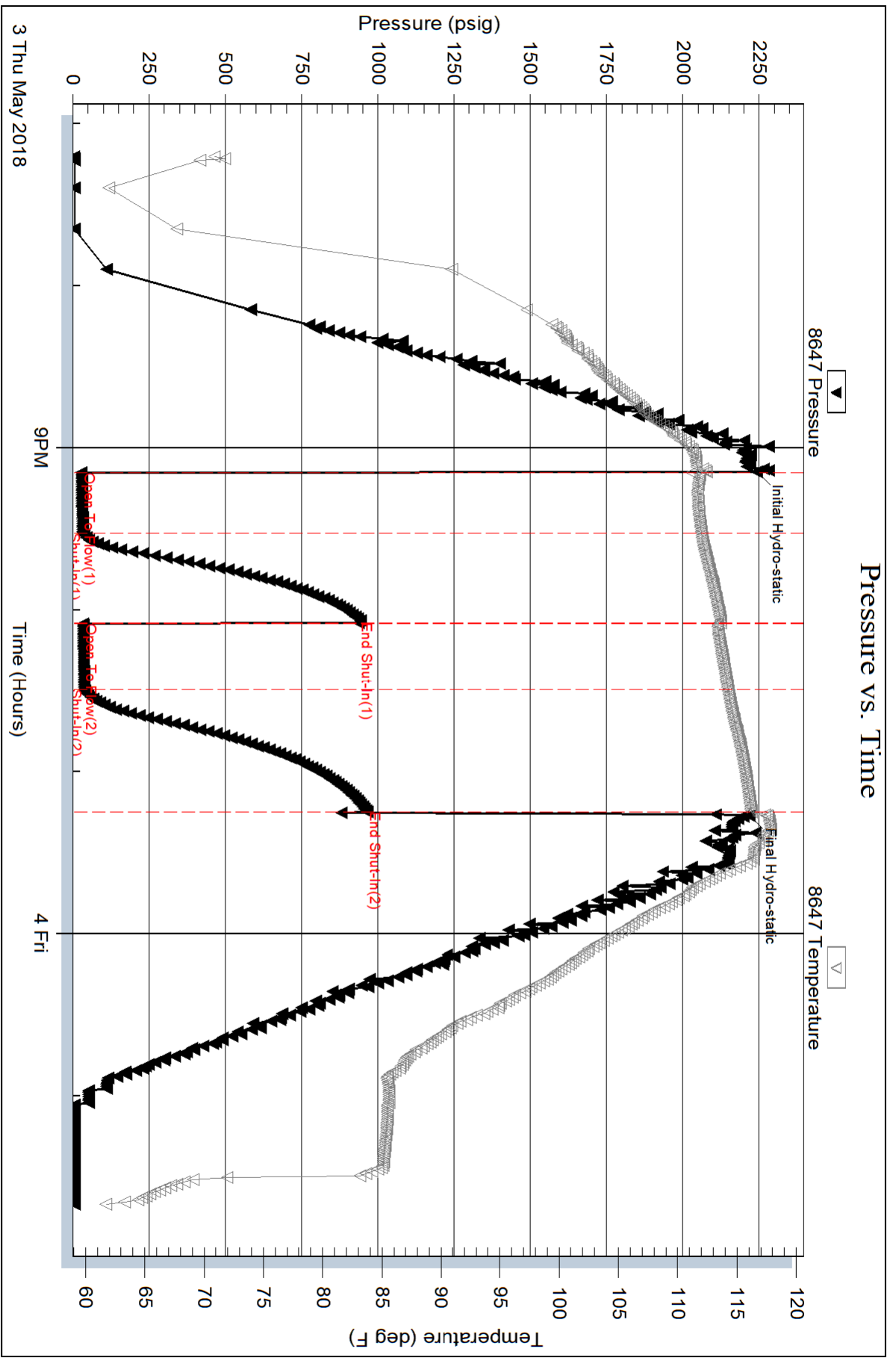
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8374

Outside Becker Oil Corporation

Ladenberger #2

DST Test Number: 2

