

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
--	---

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	Stelbar Oil Corporation, Inc.
Well Name	J. NUSS 1-36
Doc ID	1336808

All Electric Logs Run

Compact Photo Density Comp. Neutron Microresistivity Log
Array Induction Shallow Focused Elec. Log
Comp. Sonic w/Integrated Transit Time
Microresistivity Log
Caliper Log
Radial Bond Log w/Gamma Ray

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	J. NUSS 1-36
Doc ID	1336808

Tops

Name	Top	Datum
B/Anhydrite	2312	+661
Heebner	3886	-913
Lansing	3921	-948
Mun Cr Sh	4106	-1133
Stark Sh	4203	-1230
Marmaton 'B'	4322	-1389
Pawnee	4406	-1433
Cher Sh	4450	-1477
John Zone	4512	-1539
MW Sh	4549	-1576
Miss	4567	-1594

Form	ACO1 - Well Completion
Operator	Stelbar Oil Corporation, Inc.
Well Name	J. NUSS 1-36
Doc ID	1336808

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4550-4553	500 gals 7.5% MCA	4550-4553
4	4416-4420	500 gals 15% NEFE	4416-4420
4	4355-4357; 4384-4387	1000 gals 15% NEFE	4355-4357; 4384-4387



BASIC
ENERGY SERVICES

Well File

PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	10039	1718	11/22/2016
INVOICE NUMBER			
92284223			

Pratt (620) 672-1201

B STELBAR OIL CORPORATION INC
I 1625 N WATERFRONT PKWY STE 200
L WICHITA
L KS US 67206
T
O ATTN: ACCOUNTS PAYABLE

J LEASE NAME J Nuss 1-36
O LOCATION
B COUNTY Scott
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T
E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40981704	19843		Net - 30 days	12/22/2016

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 11/14/2016 to 11/14/2016</i>				
0040981704				
171813933A Cement-New Well Casing/Pi 11/14/2016				
Cement Surface				
60/40 POZ	215.00	EA	4.68	1,006.20 T
Celloflake	54.00	EA	1.44	77.92 T
Calcium Chloride	555.00	EA	0.41	227.27 T
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	1.76	175.50
Heavy Equipment Mileage	200.00	MI	2.93	585.00
"Proppant & Bulk Del. Chgs., per ton mil	925.00	EA	0.97	901.87
Blending & Mixing Service Charge	215.00	BAG	0.55	117.39
Depth Charge; 0-500'	1.00	EA	390.00	390.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	68.26	68.26

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,549.41
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	111.47
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	3,660.88
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

36-17-32

FIELD SERVICE TICKET

1718 13933 A

DATE _____ TICKET NO. _____

DATE OF JOB: 11/14/2016		DISTRICT: Pratt, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER: Steiber Oil Corp. Inc.		LEASE: J Nuss		WELL NO: 136						
ADDRESS:		COUNTY: Scott		STATE: KS						
CITY:		STATE:		SERVICE CREW: Deon McGraw, Mst 101						
AUTHORIZED BY:		JOB TYPE: 242/5015cc								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
19843	1/2						11/14			5:30
19960	1/2						11/14			7:30
							11/14			8:45
							11/14			9:15
							11/14			10:00
						MILES FROM STATION TO WELL	175			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Juan P. Lopez
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP103	60140 P02	SK	215		2,580.00	
CC102	Cellopic	Lb	54		199.50	
CC109	CSICUM Chloride	Lb	553		582.75	
E100	un. m. lesse chorse - pick up, 5 hrs/1000 & 05ms	M.	100	1	450.00	
E101	11 hour Equipment m. lesse	M.	200	1	1,500.00	
E113	Propose and Bulk Delivery, Chorse, pick up	mlm	925	1	2,312.50	
CF200	Depth Chorse 10-500'	4hr	1	1,000	1,000.00	
CF240	Blending & Mixing Service Chorse	SK	215	1	301.00	
SC03	Service Supervisor, first 8 hrs work	Fc	1		175.00	
					SUB TOTAL	9,101.05

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL		3,548.41	1/1

SERVICE REPRESENTATIVE: Juan P. Lopez
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Juan P. Lopez
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



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ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

36-17-32

FIELD SERVICE TICKET
1718 ~~13933~~ A

DATE _____ TICKET NO. _____

DATE OF JOB <i>11/14/2016</i> DISTRICT <i>Pressure</i>				NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER <i>Stolber Oil Co. Inc</i>				LEASE <i>J Nuess</i> WELL NO. <i>16</i>					
ADDRESS				COUNTY <i>Scott</i> STATE <i>Ks</i>					
CITY STATE				SERVICE CREW <i>Devin McGehee</i>					
AUTHORIZED BY				JOB TYPE: <i>242 / 50 / 100</i>					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
<i>15463</i>	<i>1/2</i>					ARRIVED AT JOB	<i>11/14</i>	<i>AM</i>	<i>8:30</i>
<i>15460</i>	<i>1/2</i>					START OPERATION	<i>11/14</i>	<i>AM</i>	<i>9:45</i>
						FINISH OPERATION	<i>11/14</i>	<i>PM</i>	<i>5:15</i>
						RELEASED	<i>11/14</i>	<i>PM</i>	<i>10:00</i>
						MILES FROM STATION TO WELL	<i>17.5</i>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<i>CE1103</i>	<i>60/140 H2O</i>	<i>SK</i>	<i>215</i>		<i>2,580 00</i>
<i>CE1102</i>	<i>Calcium Chloride</i>	<i>Lb</i>	<i>54</i>		<i>155 80</i>
<i>CE1107</i>	<i>Calcium Chloride</i>	<i>Lb</i>	<i>55</i>		<i>582 75</i>
<i>F100</i>	<i>un. m. lasso. chem. Dec 15 2016</i>	<i>m</i>	<i>100</i>		<i>450 00</i>
<i>F101</i>	<i>un. m. lasso. chem. M lasso</i>	<i>m</i>	<i>200</i>		<i>1,500 00</i>
<i>F113</i>	<i>Piperazine Base Debris Chem</i>	<i>Lb</i>	<i>925</i>		<i>2,312 50</i>
<i>CE1104</i>	<i>Dopa Chem 1000</i>	<i>kg</i>	<i>1</i>		<i>1,000 00</i>
<i>CE1105</i>	<i>Blowdown Mixture Service Chem</i>	<i>SK</i>	<i>215</i>		<i>301 00</i>
<i>50031</i>	<i>Service Sub</i>	<i>kg</i>	<i>1</i>		<i>175 00</i>
SUB TOTAL					<i>7,101 00</i>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<i>3,49 11</i>

SERVICE REPRESENTATIVE <i>John [unclear]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

FIELD SERVICE ORDER NO. _____

CLOUD LITHO - Abilene, TX

Customer <i>Steelcase O.I. COID, Inc</i>	Lease No.	Date <i>11/14/2016</i>	
Lease <i>J NUSS</i>	Well # <i>1-36</i>		
Field Order # <i>13933</i>	Station <i>P19TH, KS</i>	Casing <i>8 5/8</i>	Depth <i>315</i>
Type Job <i>242/SURFACE</i>	Formation <i>TD-314</i>	County <i>SCOTT</i>	State <i>KS</i>
		Legal Description <i>36-17-32</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>315</i>	Depth	From	To	Pre Pad		Max		5 Min.
Volume <i>20</i>	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth <i>215</i>	Packer Depth	From	To	Flush <i>FRESHWATER</i>		Gas Volume		Total Load

Customer Representative <i>JUGN</i>	Station Manager <i>Kevin Gordle</i>	Treater <i>Darin Franklin</i>
--	--	----------------------------------

Service Units	<i>92911</i>	<i>84581</i>	<i>19843</i>	<i>84980</i>	<i>19960</i>				
Driver Names	<i>Darin</i>	<i>McGraw</i>	<i>McGraw</i>	<i>MST101</i>	<i>MST101</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>7:30pm</i>					<i>ON LOCATION SET UP MEEHNS</i>
					<i>8 5/8 CASINGS SET AT 315'</i>
					<i>215SK 60/40 PDZ, 3%CC, 1/4 CELLFISIC</i>
					<i>14.8 PDG, 1.21 VOL/D, 5.18 WGT</i>
<i>8:45pm</i>	<i>200</i>		<i>3</i>	<i>6</i>	<i>PUMP 3 bbls WATER</i>
	<i>200</i>		<i>37</i>	<i>6</i>	<i>M.V 215 SK CEMENT</i>
	<i>200</i>		<i>18 3/4</i>	<i>3</i>	<i>DISPENSE 18 3/4 bbls WATER</i>
<i>9:45pm</i>					<i>SHUT IN</i>
					<i>CEMENT DID CIRCULATE 10 bbls</i>
					<i>JOB COMPLETE / DRAINAGE</i>
					<i>THANK YOU!!!</i>



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 14213 A

DATE _____ TICKET NO. _____

DATE OF JOB 11-22-16 DISTRICT PLATT, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER STELBAR OIL CORP.		LEASE J NUSS 1-36		WELL NO.						
ADDRESS		COUNTY SCOTT		STATE KS.						
CITY STATE		SERVICE CREW H.G. McCRAE								
AUTHORIZED BY		JOB TYPE: 242-LONG STRING								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
27463	512						11-22			0500
						ARRIVED AT JOB				0800
37725	512					START OPERATION				1200
19518	1					FINISH OPERATION				1730
						RELEASED				1830
						MILES FROM STATION TO WELL				170

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	HAZ CEMENT (100)	SK	150		2550.00
CP101	H-CON CEMENT (100)	SK	400		7200.00
CP100C	COMMON CEMENT (100)	SK	70		1120.00
CP100C	COMMON CEMENT (100)	SK	50		800.00
CC105	C-41P (100)	Lb.	36		144.00
PC111	SUCT (100)	Lb.	878		414.00
PC113	C4P SUM (100)	Lb.	705		528.75
PC129	FLA-322 (100)	Lb.	106		795.00
PC201	GELSONITE (100)	Lb.	750		502.50
PC102	CELL FLUICE (100)	Lb.	130		481.00
PC109	CALCIUM CHLORIDE (100)	Lb.	1354		1421.70
CF451	5 1/2 TWO STAGE COLLAR	EA	1		4500.00
CF1251	5 1/2 API FRONT SIDE	EA	1		360.00
CF1651	5 1/2 TURBOLENER	EA	14		1540.00
CF1901	5 1/2 BUSHLET	EA	1		290.00
CF3000	THREADLOCK	EA	1		34.00
PC155	SUPER FLUSH II	gal	500		765.00
E100	PERICUP MILEAGE	mi	100		450.00
E101	TRUCK MILEAGE	mi	300		2250.00

CHEMICAL / ACID DATA:

SUB TOTAL

865

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

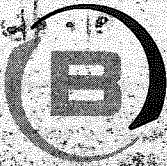
TOTAL

SERVICE REPRESENTATIVE *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 14213 A

DATE _____ TICKET NO. _____

DATE OF JOB: 11-22-16	DISTRICT: MATHEWS	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: SHEL BATE OIL CORP.	LEASE: J NUSS 1-36	WELL NO.:								
ADDRESS:		COUNTY: SCOTT	STATE: KS.							
CITY:		STATE:		SERVICE CREW: H.G. McCLAIN						
AUTHORIZED BY:		JOB TYPE: 242-CONCRETE								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
2196	914						11/22/16			
										ARRIVED AT JOB
										START OPERATION
										FINISH OPERATION
										RELEASED
										MILES FROM STATION TO WELL

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED: _____

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
PC 105	1412 CEMENT	SK	150		2550.00
PC 101	1400 CEMENT	SK	400		7200.00
PC 100	1400 CEMENT	SK	70		1120.00
PC 100	1400 CEMENT	SK	50		800.00
PC 105	1401	14	36		144.00
PC 111	SHEET	14	278		414.00
PC 113	1401 SUM	10	705		522.75
PC 129	FLH 322	10	106		795.00
PC 201	CELL SUITCASE	10	750		502.50
PC 102	1401 SERVICE	14	330		462.00
PC 107	1400 EQUIP CHEMICALS	10	1354		1921.70
PC 451	542 TUB STAKE COLLAR	EH	1		4500.00
PC 1251	541 TUB STAKE COLLAR	EH	1		360.00
PC 151	542 TUB STAKE COLLAR	EH	14		1540.00
PC 1901	541 TUB STAKE COLLAR	EH	1		290.00
PC 300	TUB STAKE COLLAR	EH	1		34.00
PC 155	SUPPLY FLUSH II	201	500		715.00
E 102	TRUCK WHEELS	111	100		450.00
E 101	TRUCK WHEELS	111	300		2750.00

SUB TOTAL

265

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT %TAX ON \$
MATERIALS %TAX ON \$

TOTAL

SERVICE REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



10244 NE Hwy. 61
 P.O. Box 8613
 Pratt, Kansas 67124
 Phone 620-672-1201

FIELD SERVICE TICKET

1718 ~~14214~~ A
 CONTINUATION
 DATE TICKET NO 1718-14213A

DATE OF JOB 11-22-16 DISTRICT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER STEELBAR OIL CORP.		LEASE J NUSS 1-36		WELL NO.					
ADDRESS		COUNTY SCOTT		STATE KS					
CITY STATE		SERVICE CREW							
AUTHORIZED BY		JOB TYPE: 242 - LOW STRING							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
						ARRIVED AT JOB			
						START OPERATION			
						FINISH OPERATION			
						RELEASED			
						MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E113	BULK DELIVERY	TM	3/50		7875.00
CE05	DEPTH CHARGE 4001'-5000'	EA	1		7520.00
CE240	BLENDING CHARGE	SIL	1070		938.00
CE504	PLUG CONTAINER	BA	1		250.00
S003	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL 31,179.95

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

DISC. TOTAL PRICE 19,710.05

CHEMICAL / ACID DATA:

SERVICE REPRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 ~~1421~~ A

DATE: 11-22-16 TICKET NO: 1718 14213H

DATE OF JOB <u>11-22-16</u> DISTRICT _____		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO. _____								
CUSTOMER <u>STERLING OIL CORP.</u>		LEASE <u>J NUSS 1-36</u> WELL NO. _____								
ADDRESS _____		COUNTY <u>SCOTT</u> STATE <u>KS</u>								
CITY _____ STATE _____		SERVICE CREW _____								
AUTHORIZED BY _____		JOB TYPE: <u>242 - LONG STRUCK</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
EMS	DICK DEER DEN?	TR	3150		7175.00
PEGS	DEPTH CHANGE 4U-500'	HR	1		1570.00
RECY	BLENDED CHARGE	SK	170		938.00
FE504	ELC 100740540	HR	1		750.00
SOO3	SC 100 LGE SUTTER LSK	HR	1		175.00

CHEMICAL / ACID DATA:			

		SUB TOTAL	31,799.95
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
		TOTAL	19,710.00

SERVICE REPRESENTATIVE _____

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

FIELD SERVICE ORDER NO. _____

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

CLOUD LITHO - Abilene, TX

Customer	STEL KAR OIL CORP.		Lease No.		Date	11-22-16	
Lease	J NUSS		Well #	1-36			
Field Order #	Station	Casing	Depth	County	State		
14213	PRATT, KS.	5 1/2	4638	SCOTT	KS.		
Type Job	242-LOWESTRING		Formation	TD-4640	Legal Description 36-17-32		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 4638	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 4600	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative TYSON Station Manager KEVIN Treater GORDLEY

Service Units	83353	27463	70897-37725	14354-19578
Driver Names	156	MICHAEL	SHAUNMAN - L	BECK - L

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0600					DN LOCATION RUN 114 Jts. 5 1/2 C/S = 4638' RUN AFTER FOOT SHOE, WASH BUFFLE IN 15' COLLAR-38'-ST MENT - 1 THRU 12, 16, 60 DN - TOP #59 AT 2317' BITSILET - BOTTOM #59 RUN SHORT IT. BETWEEN 18/19
1115					THE BOTTOM - DROP BALL - CIRC. BOTTOM STAGE
1200	300	300	5	6	PUMP 5 bbl H ₂ O
	200	300	12	6	PUMP 12 bbl SUPERFLUSH II
	300	300	5	6	PUMP 5 bbl H ₂ O
	200	200	41	6	MIX 150 SK. AMZ CEMENT 10% SALT 10% G/PSUM .75% FA-32, .75% DEFORMER 5 #KI GILSONITE STOP - WASH LINE - DROP PUMP
	0	0	0	6	START DISP W/ H ₂ O
	300	300	60	6	START DISP W/ MUD
130	1500	1500	109.5	3	PULL DOWN - HOLD

Customer STERBIA OIL CORP	Lease No. J NUSS	Well # 1-36	Date 11-22-16
Field Order 14213	Station PRATT, Ks.	Casing 5 1/2	Depth 4638
Type Job 242-CONCRETE	Formation TD-4440	County SCOTT	State Ks.
Legal Description 36-17-32			

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Service Units		
Driver Names		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1315	1500				DROP DU OPEN PLUG OPEN DU TOOL - CIRC 3 1/2 hrs
1630	300		197	6 1/2	30SK TOP STAGE Pump P 30 SK A-COM CEMENT 3% CC 1/4 # CELLFLAKE
	500		15	6	Pump P 20 SK COMMON CEMENT 2% CC 1/4 # CELLFLAKE
1730	0		10	6	STOP - WASH LINE - DROP PLUG
	2000		55	3	START DESP W/ H ₂ O PLUG DOWN - DU CLOSED
					CIRC 55 bbl CEMENT TO SET
					PLUG RAT HOLE - 30SK COMMON PLUG MOUSE HOLE - 20SK COMMON
1830					JOB COMPLETE - KEVIN



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront Pkwy
Wichita, KS 67206

ATTN: Dave Goldak

J. Nuss #1-36

36-17s-32w Scott,KS

Start Date: 2016.11.18 @ 00:55:35

End Date: 2016.11.18 @ 10:34:35

Job Ticket #: 65637 DST #: 1

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

Printed: 2016.11.22 @ 09:02:47

Stelbar Oil Corp
36-17s-32w Scott,KS
J. Nuss #1-36
DST # 1
LKC "B"
2016.11.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corp
1625 N Waterfront Pkw y
Wichita, KS 67206
ATTN: Dave Goldak

36-17s-32w Scott,KS
J. Nuss #1-36
Job Ticket: 65637 **DST#: 1**
Test Start: 2016.11.18 @ 00:55:35

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:57:05
Time Test Ended: 10:34:35
Interval: **3946.00 ft (KB) To 3970.00 ft (KB) (TVD)**
Total Depth: 3970.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2973.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 11.00 ft

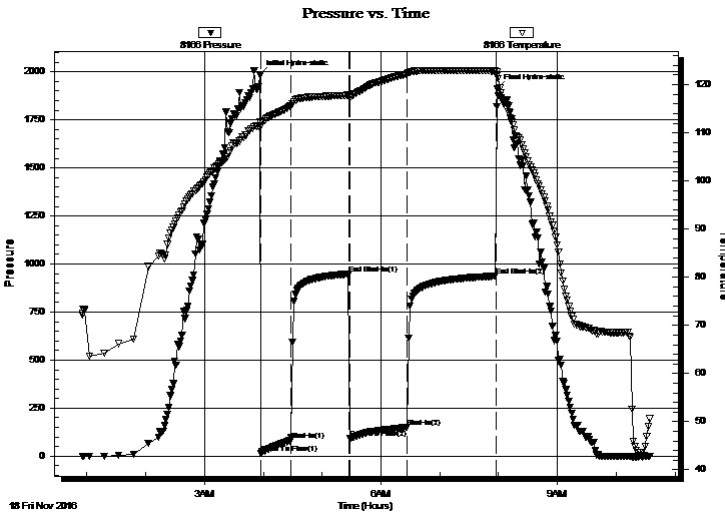
Serial #: 8166

Outside

Press@RunDepth: 149.93 psig @ 3947.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.11.18 End Date: 2016.11.18 Last Calib.: 2016.11.18
Start Time: 00:55:40 End Time: 10:34:35 Time On Btm: 2016.11.18 @ 03:56:35
Time Off Btm: 2016.11.18 @ 07:58:35

TEST COMMENT: IF: 1/4" blow built to 7"
IS: No return.
FF: BOB in 56 min.
FS: Surface blow built to 1 in 90 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1984.25	112.27	Initial Hydro-static
1	16.41	111.36	Open To Flow (1)
31	82.58	115.54	Shut-In(1)
91	948.13	117.82	End Shut-In(1)
92	91.39	117.56	Open To Flow (2)
150	149.93	122.21	Shut-In(2)
241	937.05	122.85	End Shut-In(2)
242	1911.01	121.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	gocm 10%g 60%o 30%m	0.91
164.00	go 10%g 90%o	1.47
0.00	124 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Stelbar Oil Corp
1625 N Waterfront Pkw y
Wichita, KS 67206
ATTN: Dave Goldak

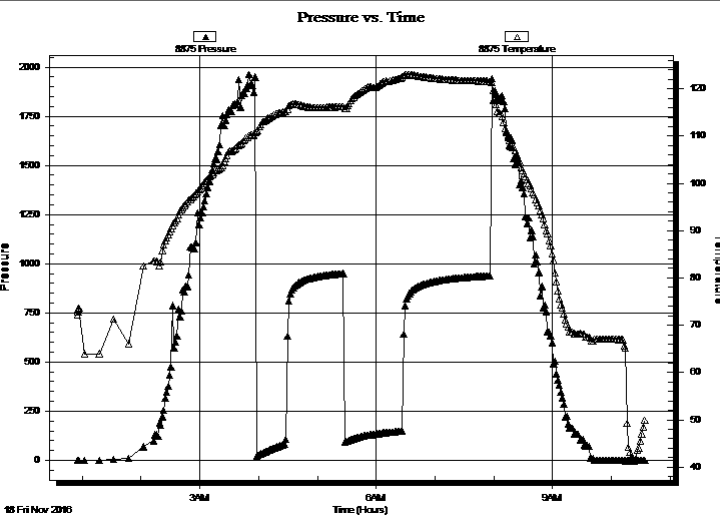
36-17s-32w Scott, KS
J. Nuss #1-36
Job Ticket: 65637 **DST#: 1**
Test Start: 2016.11.18 @ 00:55:35

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:57:05
Time Test Ended: 10:34:35
Interval: **3946.00 ft (KB) To 3970.00 ft (KB) (TVD)**
Total Depth: 3970.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2973.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 Inside
Press@RunDepth: psig @ 3947.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.11.18 End Date: 2016.11.18 Last Calib.: 2016.11.18
Start Time: 00:55:22 End Time: 10:34:17 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 7"
IS: No return.
FF: BOB in 56 min.
FS: Surface blow built to 1 in 90 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
186.00	gocm 10%g 60%o 30%m	0.91
164.00	go 10%g 90%o	1.47
0.00	124 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp

36-17s-32w Scott, KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65637

DST#: 1

ATTN: Dave Goldak

Test Start: 2016.11.18 @ 00:55:35

Tool Information

Drill Pipe:	Length: 3645.00 ft	Diameter: 3.80 inches	Volume: 51.13 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 277.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 52.49 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3946.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	53.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Stubb	1.00			3918.00	
Shut In Tool	5.00			3923.00	
Sampler	2.00			3925.00	
Hydraulic tool	5.00			3930.00	
Jars	5.00			3935.00	
Safety Joint	2.00			3937.00	
Packer	5.00			3942.00	29.00 Bottom Of Top Packer
Packer	4.00			3946.00	
Stubb	1.00			3947.00	
Recorder	0.00	8875	Inside	3947.00	
Recorder	0.00	8166	Outside	3947.00	
Perforations	18.00			3965.00	
Bullnose	5.00			3970.00	24.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp

36-17s-32w Scott,KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65637

DST#: 1

ATTN: Dave Goldak

Test Start: 2016.11.18 @ 00:55:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gocm 10%g 60%o 30%m	0.915
164.00	go 10%g 90%o	1.472
0.00	124 GIP	0.000

Total Length: 350.00 ft Total Volume: 2.387 bbl

Num Fluid Samples: 0

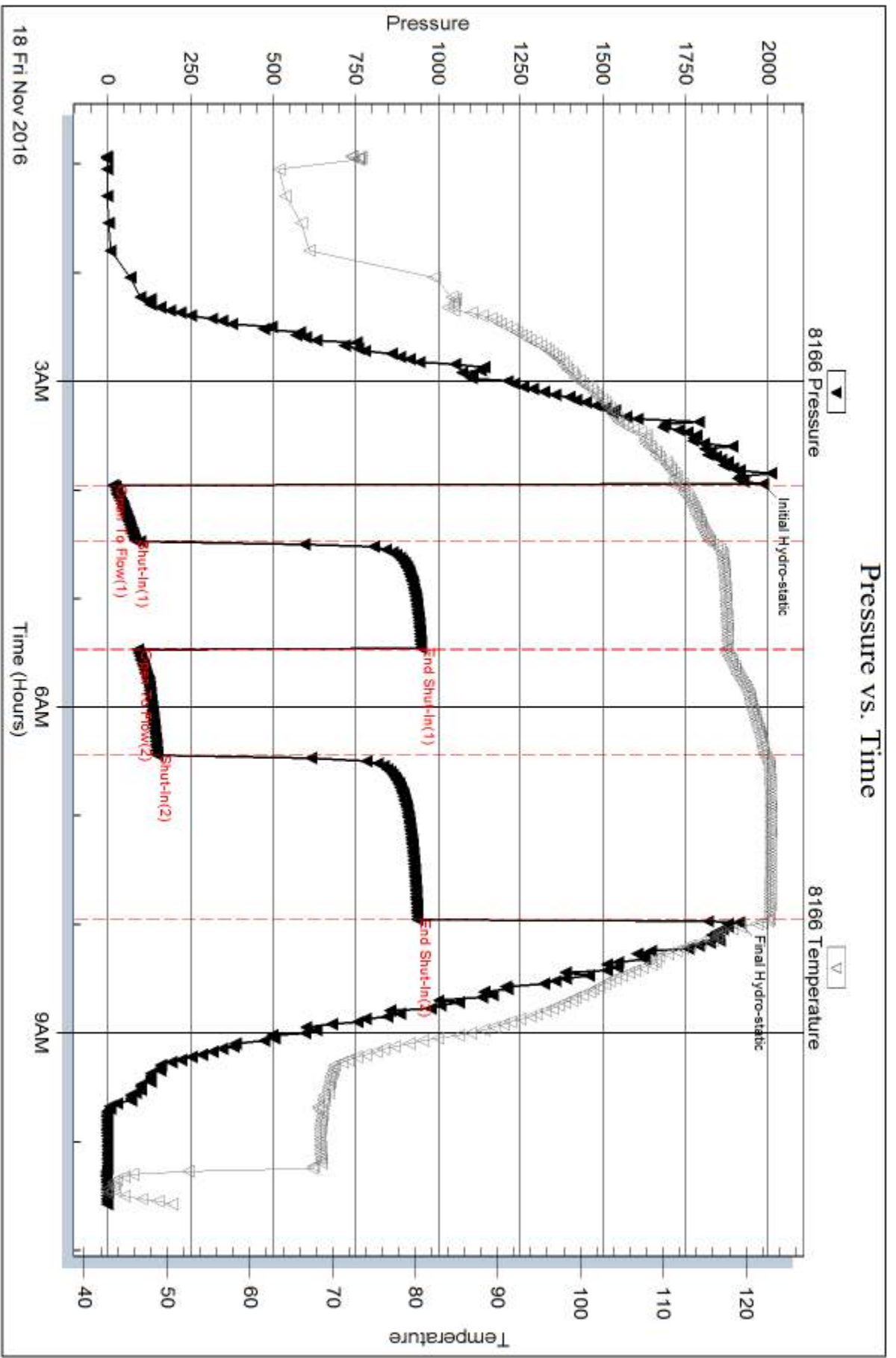
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 24@30=27



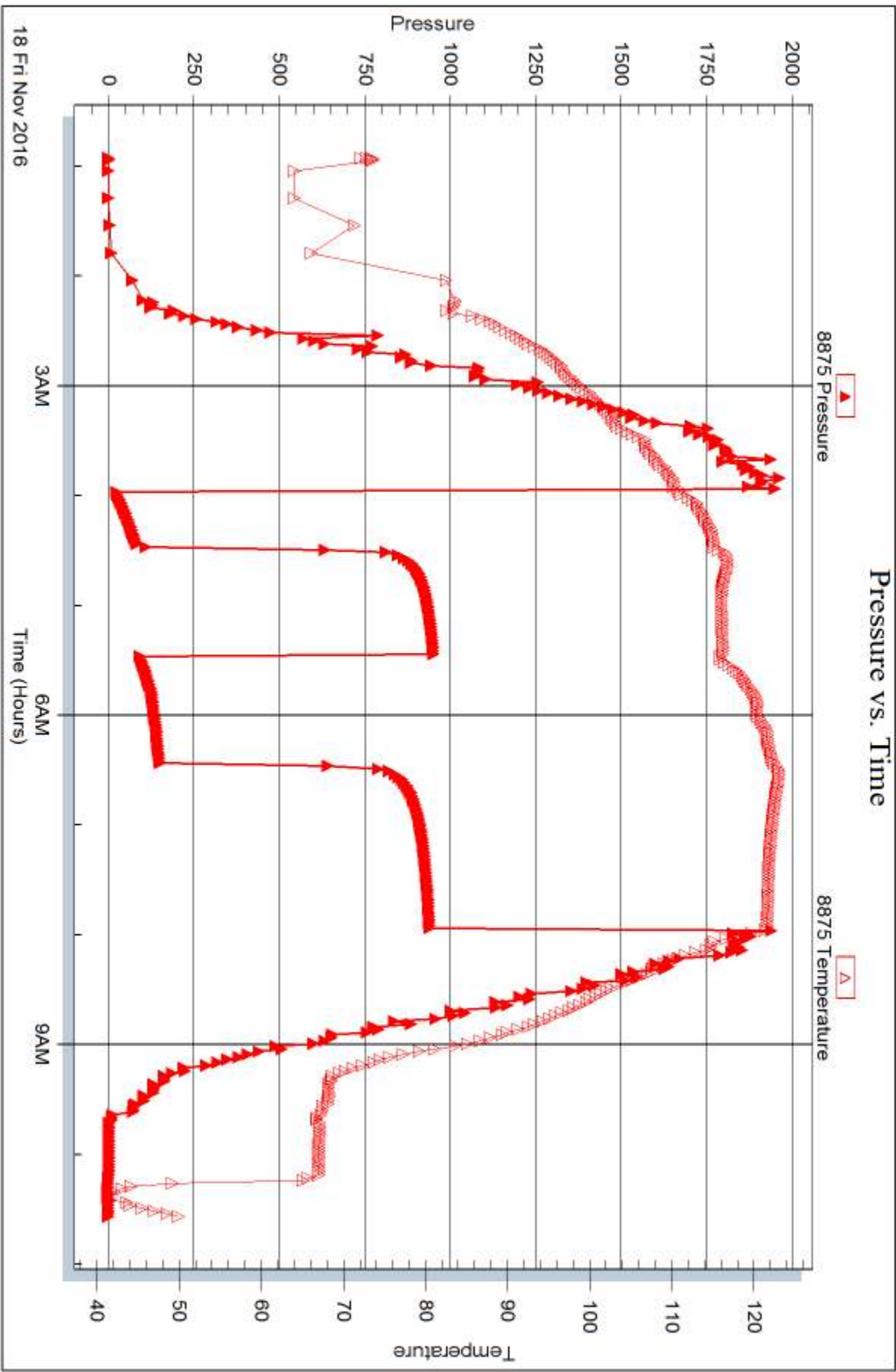
Serial #: 8875

Inside

Stelbar Oil Corp

J. Nuss #1-36

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65637

Printed: 2016.11.22 @ 09:02:48



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront Pkwy
Wichita, KS 67206

ATTN: Dave Goldak

J. Nuss #1-36

36-17s-32w Scott,KS

Start Date: 2016.11.18 @ 18:51:49

End Date: 2016.11.19 @ 02:20:19

Job Ticket #: 65638 DST #: 2

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

Printed: 2016.11.22 @ 09:00:57



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corp
 1625 N Waterfront Pkw y
 Wichita, KS 67206
 ATTN: Dave Goldak

36-17s-32w Scott,KS
J. Nuss #1-36
 Job Ticket: 65638 **DST#: 2**
 Test Start: 2016.11.18 @ 18:51:49

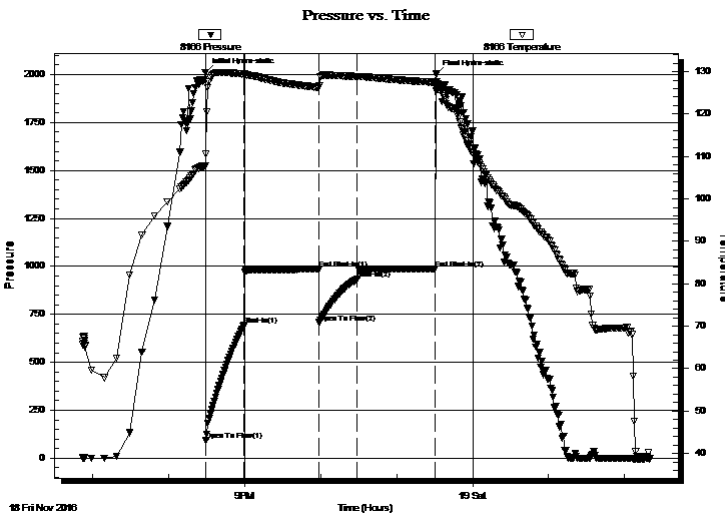
GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:29:19
 Time Test Ended: 02:20:19
 Interval: **3982.00 ft (KB) To 3994.00 ft (KB) (TVD)**
 Total Depth: 3994.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2973.00 ft (KB)
 2962.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 934.16 psig @ 3983.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.18 End Date: 2016.11.19 Last Calib.: 2016.11.19
 Start Time: 18:51:54 End Time: 02:20:18 Time On Btm: 2016.11.18 @ 20:28:49
 Time Off Btm: 2016.11.18 @ 23:31:19

TEST COMMENT: IF: BOB in 2 min.
 IS: No return.
 FF: BOB in 3 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.53	107.82	Initial Hydro-static
1	93.81	110.54	Open To Flow (1)
31	692.15	129.39	Shut-In(1)
90	984.87	126.29	End Shut-In(1)
90	707.20	126.69	Open To Flow (2)
120	934.16	128.85	Shut-In(2)
182	986.39	127.47	End Shut-In(2)
183	2002.08	126.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1302.00	water 100%w	15.74
330.00	nw oil spots on top 50%w 50%m	4.63

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corp
1625 N Waterfront Pkw y
Wichita, KS 67206
ATTN: Dave Goldak

36-17s-32w Scott,KS

J. Nuss #1-36

Job Ticket: 65638

DST#: 2

Test Start: 2016.11.18 @ 18:51:49

GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:29:19
 Time Test Ended: 02:20:19
Interval: 3982.00 ft (KB) To 3994.00 ft (KB) (TVD)
 Total Depth: 3994.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2973.00 ft (KB)
 2962.00 ft (CF)
 KB to GR/CF: 11.00 ft

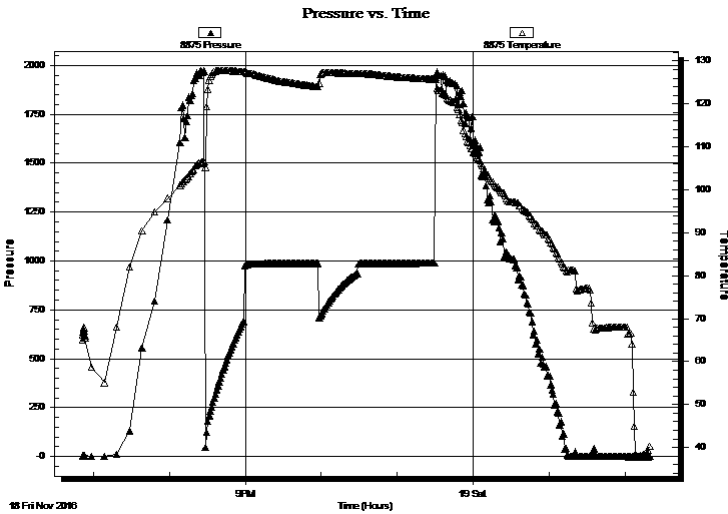
Serial #: 8875

Inside

Press@RunDepth: psig @ 3983.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.18 End Date: 2016.11.19 Last Calib.: 2016.11.19
 Start Time: 18:51:23 End Time: 02:19:47 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 2 min.
 IS: No return.
 FF: BOB in 3 min.
 FS: No return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
1302.00	water 100%w	15.74
330.00	nw oil spots on top 50%w 50%m	4.63

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp

36-17s-32w Scott, KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65638

DST#: 2

ATTN: Dave Goldak

Test Start: 2016.11.18 @ 18:51:49

Tool Information

Drill Pipe:	Length: 3706.00 ft	Diameter: 3.80 inches	Volume: 51.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 277.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 53.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3982.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			3954.00	
Shut In Tool	5.00			3959.00	
Sampler	2.00			3961.00	
Hydraulic tool	5.00			3966.00	
Jars	5.00			3971.00	
Safety Joint	2.00			3973.00	
Packer	5.00			3978.00	29.00 Bottom Of Top Packer
Packer	4.00			3982.00	
Stubb	1.00			3983.00	
Recorder	0.00	8875	Inside	3983.00	
Recorder	0.00	8166	Outside	3983.00	
Perforations	6.00			3989.00	
Bullnose	5.00			3994.00	12.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp

36-17s-32w Scott,KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65638

DST#: 2

ATTN: Dave Goldak

Test Start: 2016.11.18 @ 18:51:49

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:

38000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1302.00	water 100%w	15.740
330.00	mw oil spots on top 50%w 50%m	4.629

Total Length: 1632.00 ft Total Volume: 20.369 bbl

Num Fluid Samples: 0

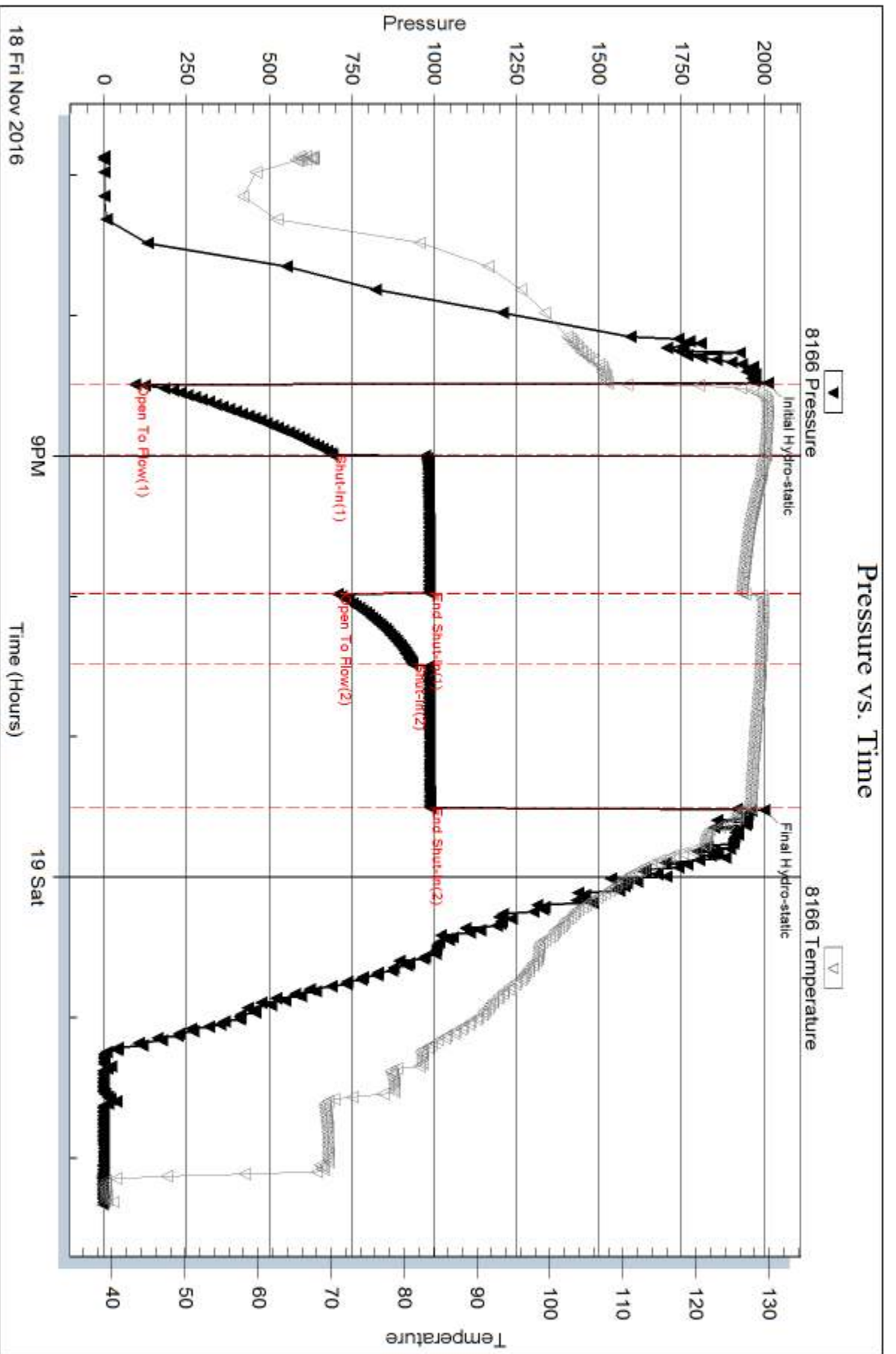
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .33@41=38000



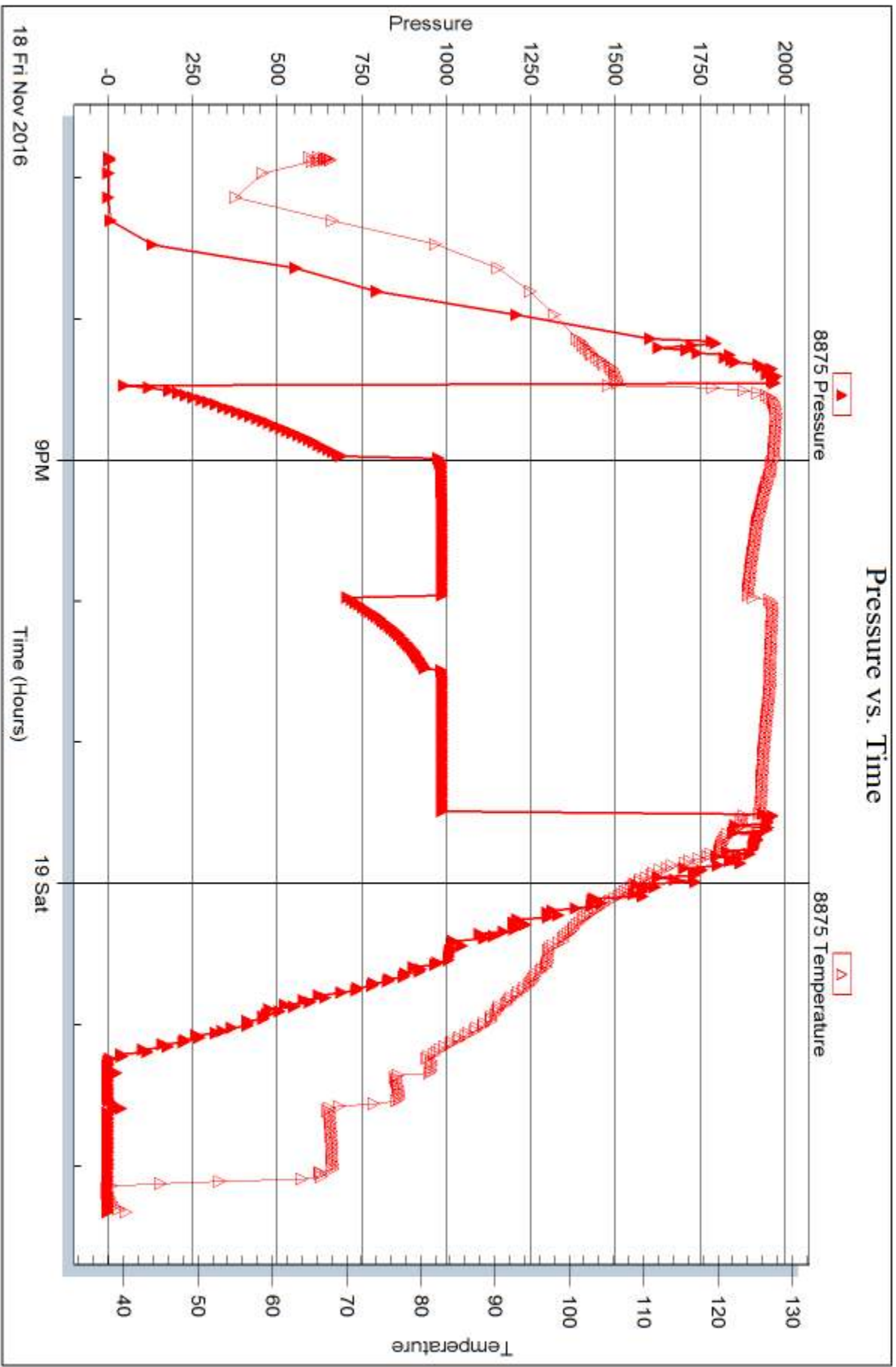
Serial #: 8875

Inside

Stelbar Oil Corp

J. Nuss #1-36

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront Pkwy
Wichita, KS 67206

ATTN: Dave Goldak

J. Nuss #1-36

36-17s-32w Scott,KS

Start Date: 2016.11.19 @ 23:39:43

End Date: 2016.11.20 @ 08:18:43

Job Ticket #: 65639 DST #: 3

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

Printed: 2016.11.22 @ 08:59:44



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp
 1625 N Waterfront Pkw y
 Wichita, KS 67206
 ATTN: Dave Goldak

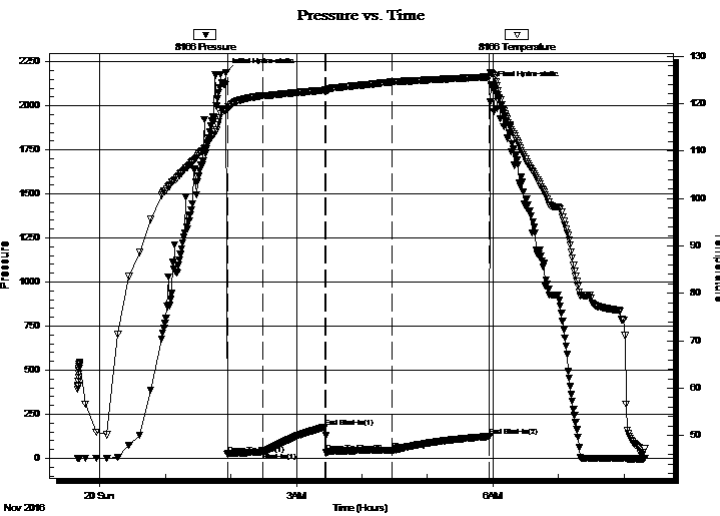
36-17s-32w Scott,KS
J. Nuss #1-36
 Job Ticket: 65639 **DST#: 3**
 Test Start: 2016.11.19 @ 23:39:43

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:56:43
 Time Test Ended: 08:18:43
Interval: 4286.00 ft (KB) To 4340.00 ft (KB) (TVD)
 Total Depth: 4340.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2973.00 ft (KB)
 2962.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 45.73 psig @ 4287.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.19 End Date: 2016.11.20 Last Calib.: 2016.11.20
 Start Time: 23:39:48 End Time: 08:18:43 Time On Btm: 2016.11.20 @ 01:55:43
 Time Off Btm: 2016.11.20 @ 05:58:13

TEST COMMENT: IF: 1/4" blow built to 7" in 30 min.
 IS: No return.
 FF: Surface blow blow to 9" in 60 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2189.28	118.56	Initial Hydro-static
1	22.50	118.69	Open To Flow (1)
34	34.10	121.67	Shut-In(1)
91	175.81	122.81	End Shut-In(1)
92	31.87	122.78	Open To Flow (2)
152	45.73	124.56	Shut-In(2)
241	123.83	125.64	End Shut-In(2)
243	2116.38	126.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 10%g 10%o 80%m	0.30
0.00	310 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp
 1625 N Waterfront Pkw y
 Wichita, KS 67206
 ATTN: Dave Goldak

36-17s-32w Scott,KS

J. Nuss #1-36

Job Ticket: 65639

DST#: 3

Test Start: 2016.11.19 @ 23:39:43

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:56:43

Time Test Ended: 08:18:43

Interval: **4286.00 ft (KB) To 4340.00 ft (KB) (TVD)**

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 2973.00 ft (KB)

2962.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8875 Inside

Press@RunDepth: psig @ 4287.00 ft (KB)

Start Date: 2016.11.19 End Date: 2016.11.20

Start Time: 23:39:56 End Time: 08:18:51

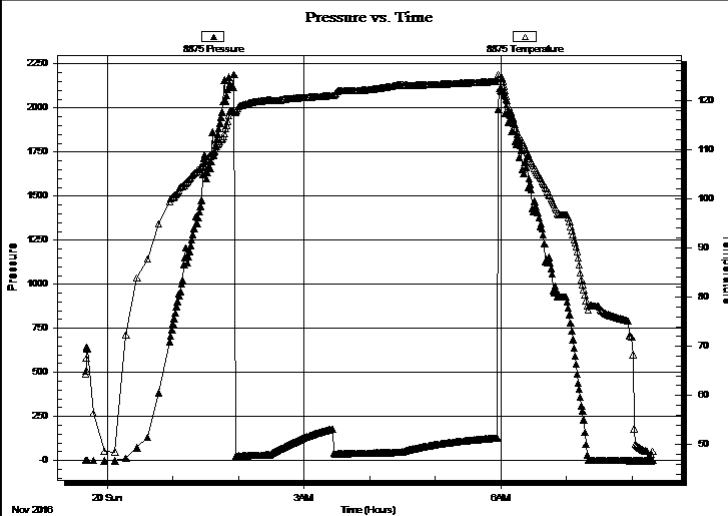
Capacity: 8000.00 psig

Last Calib.: 2016.11.20

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 7" in 30 min.
 IS: No return.
 FF: Surface blow blow to 9" in 60 min.
 FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 10%g 10%o 80%m	0.30
0.00	310 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp

36-17s-32w Scott,KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65639

DST#: 3

ATTN: Dave Goldak

Test Start: 2016.11.19 @ 23:39:43

Tool Information

Drill Pipe:	Length: 3989.00 ft	Diameter: 3.80 inches	Volume: 55.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 277.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4286.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4258.00	
Shut In Tool	5.00			4263.00	
Sampler	2.00			4265.00	
Hydraulic tool	5.00			4270.00	
Jars	5.00			4275.00	
Safety Joint	2.00			4277.00	
Packer	5.00			4282.00	29.00 Bottom Of Top Packer
Packer	4.00			4286.00	
Stubb	1.00			4287.00	
Recorder	0.00	8875	Inside	4287.00	
Recorder	0.00	8166	Outside	4287.00	
Perforations	14.00			4301.00	
Change Over Sub	1.00			4302.00	
Drill Pipe	32.00			4334.00	
Change Over Sub	1.00			4335.00	
Bullnose	5.00			4340.00	54.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp

36-17s-32w Scott,KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65639

DST#: 3

ATTN: Dave Goldak

Test Start: 2016.11.19 @ 23:39:43

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	gocm 10%g 10%o 80%m	0.305
0.00	310 GIP	0.000

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

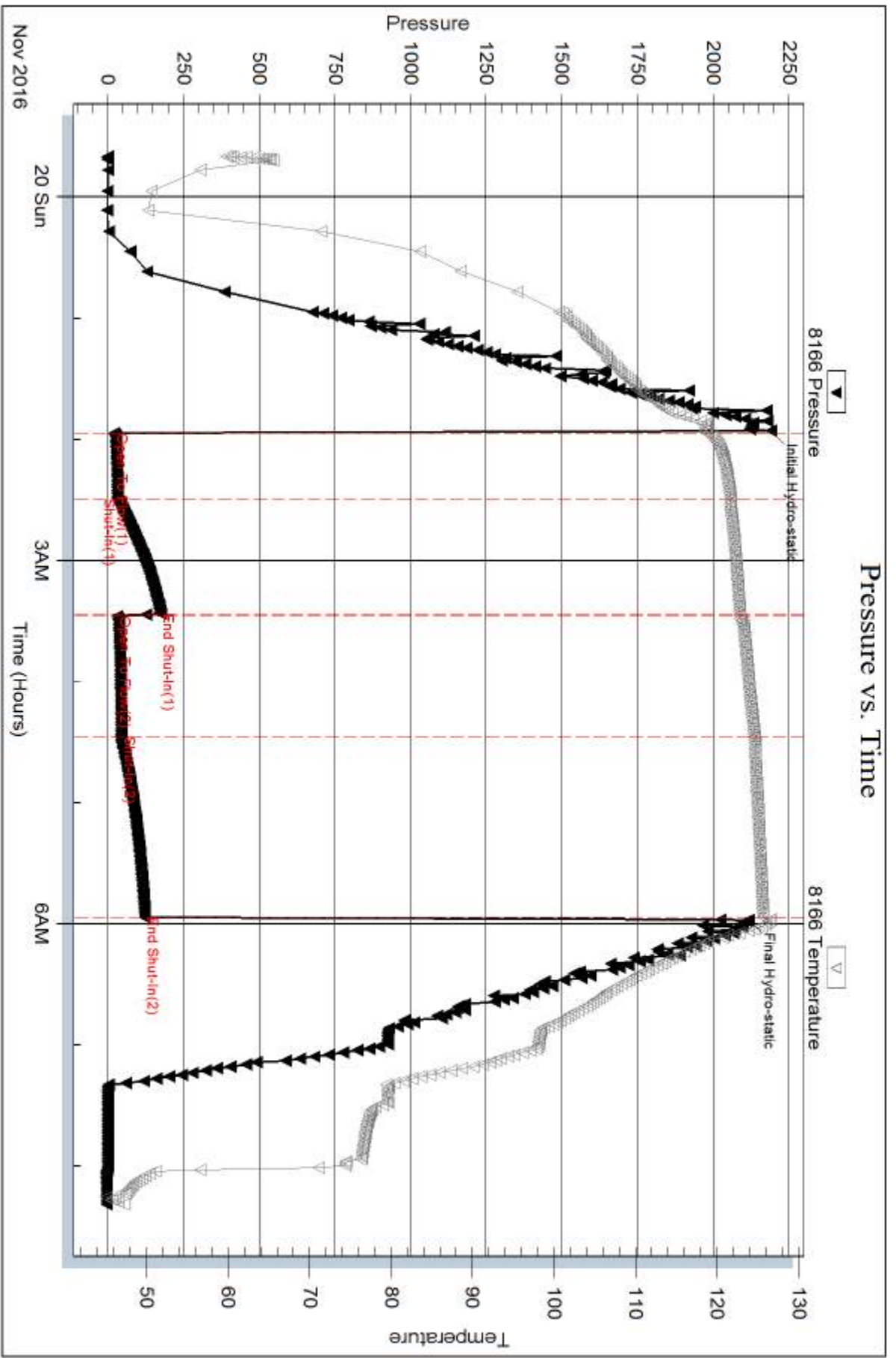
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



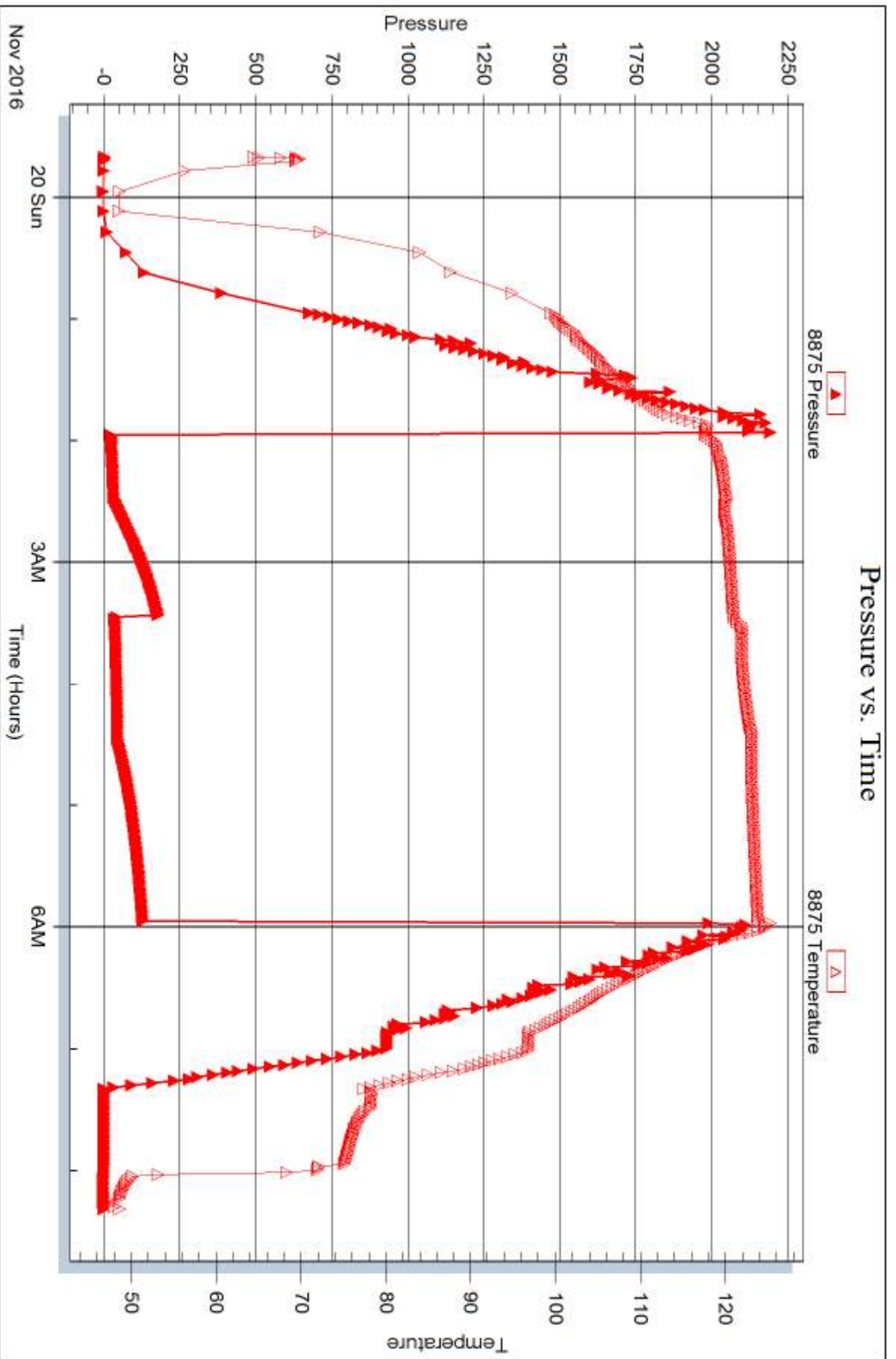
Serial #: 8875

Inside

Stellar Oil Corp

J. Nuss #1-36

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65639

Printed: 2016.11.22 @ 08:59:46



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp**

1625 N Waterfront Pkwy
Wichita, KS 67206

ATTN: Dave Goldak

J. Nuss #1-36

36-17s-32w Scott,KS

Start Date: 2016.11.20 @ 19:43:48

End Date: 2016.11.21 @ 05:26:18

Job Ticket #: 65640 DST #: 4

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

Printed: 2016.11.22 @ 08:58:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stelbar Oil Corp
1625 N Waterfront Pkw y
Wichita, KS 67206
ATTN: Dave Goldak

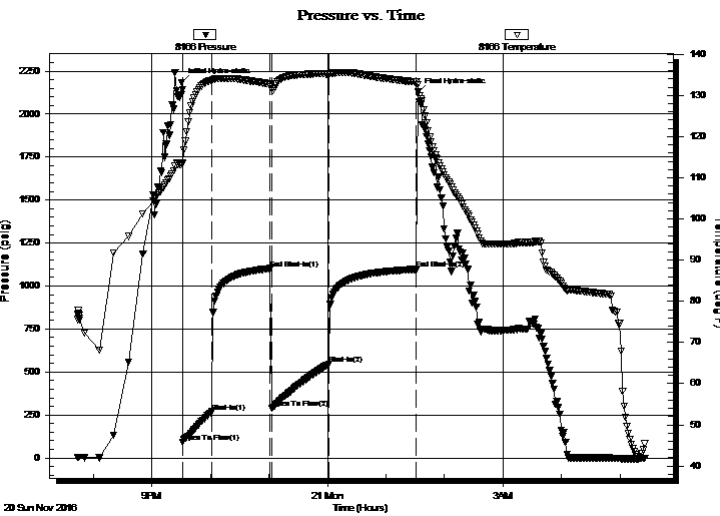
36-17s-32w Scott,KS
J. Nuss #1-36
Job Ticket: 65640 **DST#: 4**
Test Start: 2016.11.20 @ 19:43:48

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:31:48
Time Test Ended: 05:26:18
Interval: **4340.00 ft (KB) To 4424.00 ft (KB) (TVD)**
Total Depth: 4424.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2973.00 ft (KB)
2962.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 Outside
Press@RunDepth: 546.77 psig @ 4341.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.11.20 End Date: 2016.11.21 Last Calib.: 2016.11.21
Start Time: 19:43:53 End Time: 05:26:18 Time On Btm: 2016.11.20 @ 21:30:48
Time Off Btm: 2016.11.21 @ 01:32:48

TEST COMMENT: IF: BOB in 1 1/2 min.
IS: BOB in 8 min.
FF: BOB in 2 min. Gas to surface in 45 min.
FS: BOB in 12 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.74	113.35	Initial Hydro-static
1	89.83	113.54	Open To Flow (1)
31	268.10	133.65	Shut-In(1)
91	1101.37	132.70	End Shut-In(1)
92	288.80	131.52	Open To Flow (2)
151	546.77	135.20	Shut-In(2)
241	1097.40	133.22	End Shut-In(2)
242	2128.09	132.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	gocm 40%g 20%o 40%m	0.61
1388.00	go 30%g 70%o	18.08

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corp
 1625 N Waterfront Pkw y
 Wichita, KS 67206
 ATTN: Dave Goldak

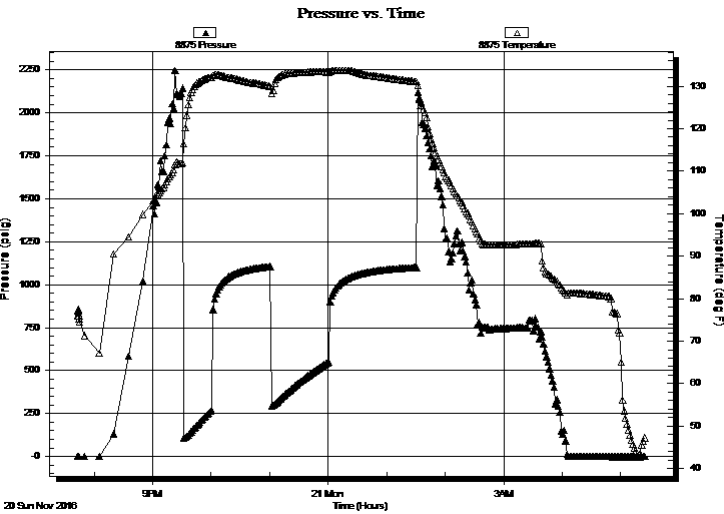
36-17s-32w Scott, KS
J. Nuss #1-36
 Job Ticket: 65640 **DST#: 4**
 Test Start: 2016.11.20 @ 19:43:48

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:31:48
 Time Test Ended: 05:26:18
Interval: 4340.00 ft (KB) To 4424.00 ft (KB) (TVD)
 Total Depth: 4424.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2973.00 ft (KB)
 2962.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8875 Inside
 Press@RunDepth: psig @ 4341.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.20 End Date: 2016.11.21 Last Calib.: 2016.11.21
 Start Time: 19:43:10 End Time: 05:25:35 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB in 1 1/2 min.
 IS: BOB in 8 min.
 FF: BOB in 2 min. Gas to surface in 45 min.
 FS: BOB in 12 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	gocm 40%g 20%o 40%m	0.61
1388.00	go 30%g 70%o	18.08

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp

36-17s-32w Scott, KS

1625 N Waterfront Pkwy
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65640

DST#: 4

ATTN: Dave Goldak

Test Start: 2016.11.20 @ 19:43:48

Tool Information

Drill Pipe:	Length: 4051.00 ft	Diameter: 3.80 inches	Volume: 56.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 277.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 58.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4340.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Stubb	1.00			4312.00	
Shut In Tool	5.00			4317.00	
Sampler	2.00			4319.00	
Hydraulic tool	5.00			4324.00	
Jars	5.00			4329.00	
Safety Joint	2.00			4331.00	
Packer	5.00			4336.00	29.00 Bottom Of Top Packer
Packer	4.00			4340.00	
Stubb	1.00			4341.00	
Recorder	0.00	8875	Inside	4341.00	
Recorder	0.00	8166	Outside	4341.00	
Perforations	13.00			4354.00	
Change Over Sub	1.00			4355.00	
Drill Pipe	63.00			4418.00	
Change Over Sub	1.00			4419.00	
Bullnose	5.00			4424.00	84.00 Bottom Packers & Anchor
Total Tool Length:	113.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp

36-17s-32w Scott,KS

1625 N Waterfront Pkw y
Wichita, KS 67206

J. Nuss #1-36

Job Ticket: 65640

DST#: 4

ATTN: Dave Goldak

Test Start: 2016.11.20 @ 19:43:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	gocm 40%g 20%o 40%m	0.610
1388.00	go 30%g 70%o	18.076

Total Length: 1512.00 ft Total Volume: 18.686 bbl

Num Fluid Samples: 0

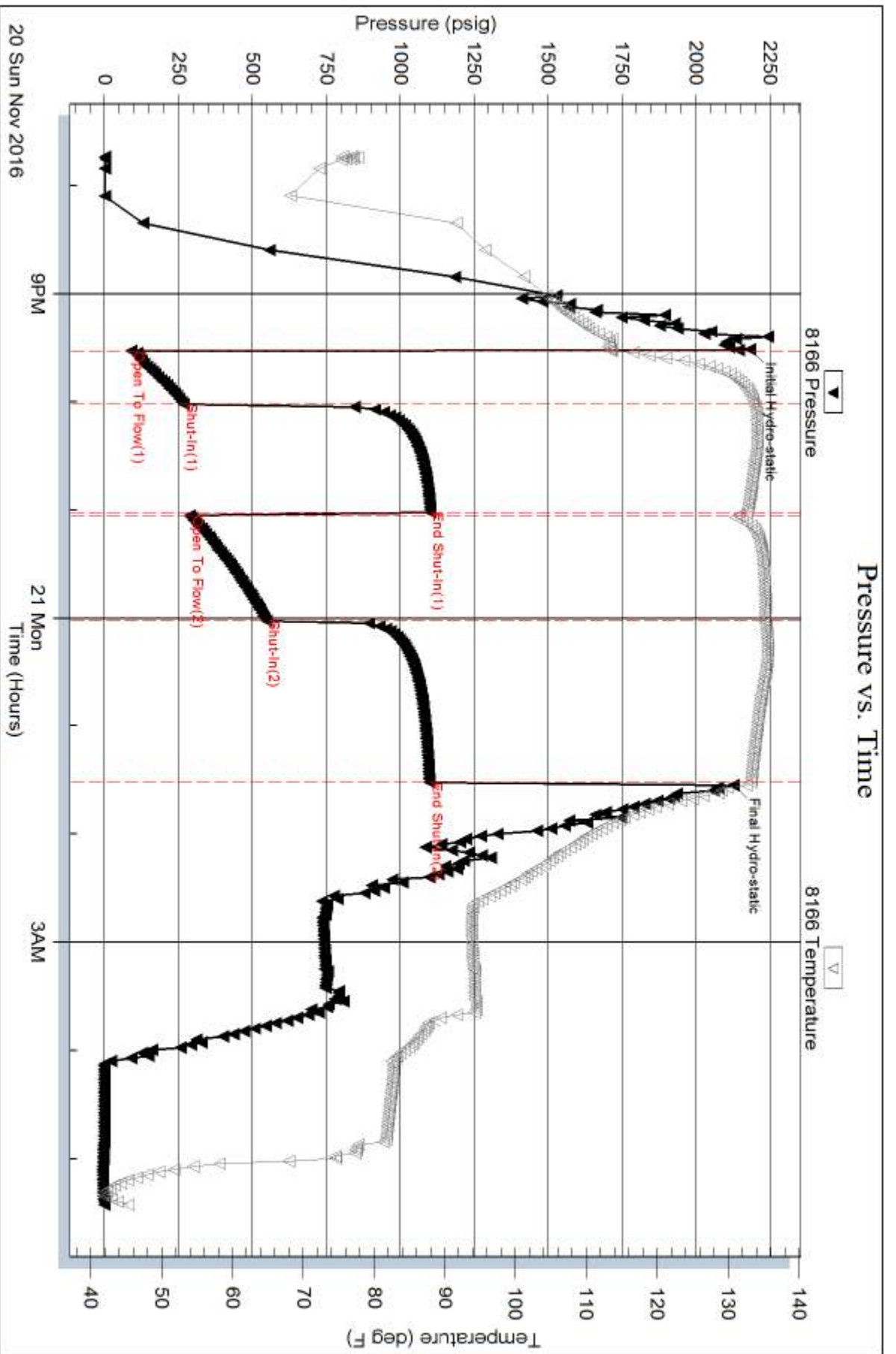
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 28@50=29



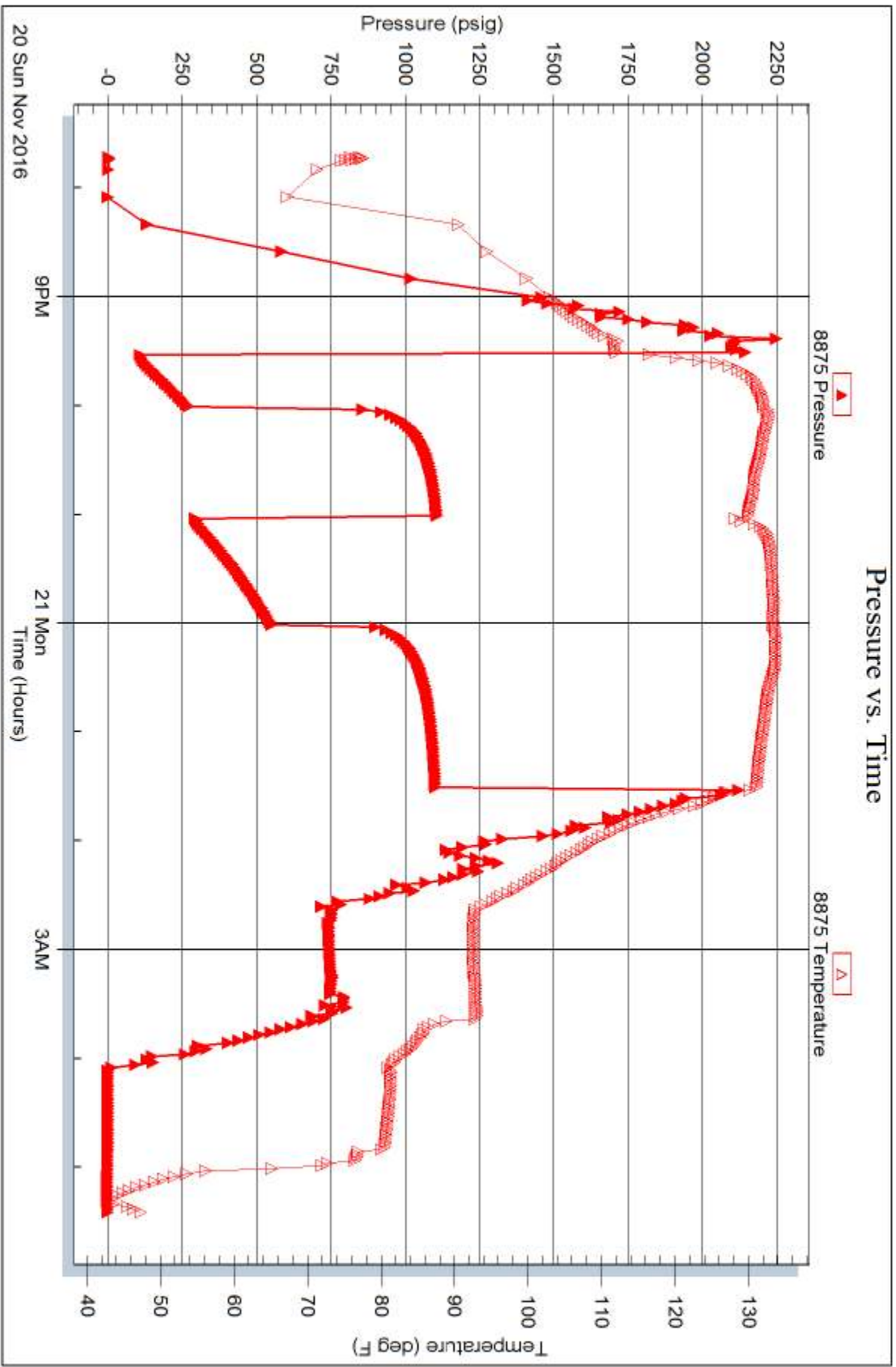
Serial #: 8875

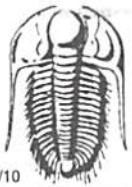
Inside

Stellar Oil Corp

J. Nuss #1-36

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65637**

Well Name & No. J. Nuss #1-36 Test No. 1 Date 11-17-16
 Company Stelbarr Oil Corp Elevation 2973 KB 2962 GL
 Address 1625 N Waterfront Pkwy Wichita, KS 67206
 Co. Rep / Geo. Dave Goldyk Rig Murfin 21
 Location: Sec. 36 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 3946 3970 Zone Tested LKC B zone
 Anchor Length 24 Drill Pipe Run 3645 Mud Wt. 8.8
 Top Packer Depth 3941 Drill Collars Run 277 Vis 56
 Bottom Packer Depth 3946 Wt. Pipe Run — WL 6.4
 Total Depth 3970 Chlorides 2500 ppm System LCM 5
 Blow Description IF: 1/4 blow built to 7,
IS: No return.
FF: BoB in 56 min.
FS: surface blow built to 1 in 90 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>164</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>186</u>	<u>90cm</u>	<u>10</u>	<u>60</u>	<u>30</u>	
	<u>124 GIP</u>				

Rec Total 350 BHT 122 Gravity 27 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1984</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>23:07</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:55</u>
(C) First Final Flow <u>82</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:58</u>
(D) Initial Shut-In <u>948</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>7:58</u>
(E) Second Initial Flow <u>91</u>	<input checked="" type="checkbox"/> Hourly Standby <u>3- 1.25 100</u>	T-Out <u>10:40</u>
(F) Second Final Flow <u>149</u>	<input checked="" type="checkbox"/> Mileage <u>24- 18</u>	Comments <u>on back at</u>
(G) Final Shut-In <u>937</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>12:30 pm</u>
(H) Final Hydrostatic <u>1911</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1743</u>
	Sub Total <u>1743</u>	MP/DST Disc't

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



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 65637 Date 11-17-16
 Company Name Stelbar oil Corp
 Lease J. Nuss #1-36 Test No. 1
 County Scott Sec. 36 Twp. 17S Rng. 32W

SAMPLER RECOVERY

Gas 1000 ML
 Oil 1000 ML
 Mud _____ ML
 Water _____ ML
 Other _____ ML
 Pressure 300 LB ML
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 2500 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 56
 Mud Weight 8.8
 Filtrate 6.4
 Other LCM 5

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 27 corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65638**

Well Name & No. J. Nuss #1-36 Test No. 2 Date 11-18-16
 Company Stelbar oil corp Elevation 2973 KB 2962 GL
 Address _____
 Co. Rep / Geo. Dave Goldark Rig Murfin 21
 Location: Sec. 36 Twp. 175 Rge. 32W Co. Scott State KS

Interval Tested 3982 3994 Zone Tested LKC "C" zone
 Anchor Length 12 Drill Pipe Run 3706 Mud Wt. 9.2
 Top Packer Depth 3977 Drill Collars Run 277 Vis 57
 Bottom Packer Depth 3982 Wt. Pipe Run _____ WL 7.2
 Total Depth _____ Chlorides 4000 ppm System LCM 3

Blow Description IF: BOB in 2 min.
TS: No return.
FF: BOB in 3 min.
FS: No return.

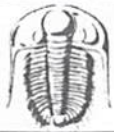
Rec	Feet of	%gas	%oil	%water	%mud
<u>330</u>	<u>MW oil spots on top</u>		<u>50</u>	<u>50</u>	
<u>1302</u>	<u>water</u>		<u>100</u>		
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 1632 BHT 128 Gravity _____ API RW .33 @ 40 °F Chlorides 38,000 ppm

(A) Initial Hydrostatic <u>2011</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>18115</u>
(B) First Initial Flow <u>93</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:51</u>
(C) First Final Flow <u>692</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:28</u>
(D) Initial Shut-In <u>984</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>23:28</u>
(E) Second Initial Flow <u>707</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:20</u>
(F) Second Final Flow <u>934</u>	<input checked="" type="checkbox"/> Mileage <u>24</u> <u>18</u>	Comments _____
(G) Final Shut-In <u>986</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	_____
(H) Final Hydrostatic <u>2002</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1643</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1643</u>	

Approved By [Signature] Our Representative [Signature]

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



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 65638 Date 11-18-16
 Company Name Stelbar oil corp
 Lease J. Nuss #1-36 Test No. 2
 County Scott Sec. 36 Twp. 175 Rng. 32W

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud _____ ML
 Water 2000 ML
 Other _____ ML
 Pressure 500 Lb ML
 Total 2000 ML

PIT MUD ANALYSIS

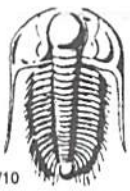
Chlorides 4000 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 57
 Mud Weight 9.2
 Filtrate 7.2
 Other Cl LCM 3

SAMPLER ANALYSIS

Resistivity .33 ohms @ 41 F
 Chlorides 38,000 ppm.
 Gravity — corrected @60F

PIPE RECOVERY

TOP
 Resistivity .33 ohms @ 41 F
 Chlorides 38,000 ppm.
MIDDLE
 Resistivity .33 ohms @ 41 F
 Chlorides 38,000 ppm.
BOTTOM
 Resistivity .33 ohms @ 41 F
 Chlorides 38,000 ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65639**

Well Name & No. J, NUSS #1-36 Test No. 3 Date 11-19-16
 Company Stelber oil corp Elevation 2973 KB 2962 GL
 Address _____
 Co. Rep / Geo. Dave Goldak Rig Murfin 21
 Location: Sec. 36 Twp. 175 Rge. 32W Co. Scott State KS

Interval Tested 4286 4340 Zone Tested Marmaton
 Anchor Length _____ Drill Pipe Run 3989 Mud Wt. 9.3
 Top Packer Depth 4281 Drill Collars Run 277 Vis 57
 Bottom Packer Depth 4286 Wt. Pipe Run _____ WL 8.8
 Total Depth 4340 Chlorides 5000 ppm System LCM 4

Blow Description IF: 1/4 blow built to 6 in 30 min.
#5: No return.
FF: surface blow built to 9 in 60 min.
F5: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>90cm</u>	<u>10</u>	<u>10</u>	<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>310</u> <u>GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 125 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2189</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>23:05</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:39</u>
(C) First Final Flow <u>34</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1:55</u>
(D) Initial Shut-In <u>175</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>5:55</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:17</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>24</u> <u>18</u>	Comments _____
(G) Final Shut-In <u>123</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	_____
(H) Final Hydrostatic <u>2116</u>	<input type="checkbox"/> Straddle _____	_____

ial Open 30
 ial Shut-In 60
 al Flow 60
 al Shut-In 90

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Sub Total 0
 Total 1743
 MP/DST Disc't _____

proved By Dave Goldak Our Representative [Signature]

ite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its ment, 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.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 65639 Date 11-19-16
 Company Name Stelber oil Corp
 Lease J. Nuss #1-36 Test No. 3
 County Scott Sec. 36 Twp. 17S Rng. 32W

SAMPLER RECOVERY

Gas 2 cu ft ML
 Oil _____ ML
 Mud _____ ML
 Water _____ ML
 Other _____ ML
 Pressure 50 lb ML
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 5000 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 57
 Mud Weight 9.3
 Filtrate 8.8
 Other LCM 4 cake 1

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65640**

Well Name & No. J. Nuss #1-36 Test No. 4 Date 11-20-16
 Company Stelber oil corp Elevation 2973 KB 2962 GL
 Address _____
 Co. Rep / Geo. Dave Gold+k Rig Marlin 21
 Location: Sec. 36 Twp. 17S Rge. 32W Co. Scott State KS

Interval Tested 4340 4424 Zone Tested Marmaton
 Anchor Length 84 Drill Pipe Run 4051 Mud Wt. 9.3
 Top Packer Depth 4335 Drill Collars Run 277 Vis 56
 Bottom Packer Depth 4340 Wt. Pipe Run _____ WL 8.0
 Total Depth 4424 Chlorides 5500 ppm System LCM 3

Blow Description IF: BoB in 1 1/2 min.
IS: BoB in 8 min.
FS: BoB in 2 min. Gas to surface in 45 min.
FS: BoB in 12 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1388</u>	<u>90</u>	<u>30</u>	<u>70</u>		
<u>124</u>	<u>90cm</u>	<u>40</u>	<u>20</u>		<u>40</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 1512 BHT 133 Gravity 29 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2183 Test 1150
 (B) First Initial Flow 89 Jars 250
 (C) First Final Flow 268 Safety Joint 75
 (D) Initial Shut-In 1101 Circ Sub 50.00
 (E) Second Initial Flow 288 Hourly Standby _____
 (F) Second Final Flow 546 Mileage 24-36
 (G) Final Shut-In 1097 Sampler 250
 (H) Final Hydrostatic 2128 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1811

T-On Location 17:14
 T-Started 17:43
 T-Open 19:30
 T-Pulled 23:30
 T-Out 3:25
 Comments loaded 11-22-16
2:40 am
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1811
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING, INC.

1515 Commerce Parkway • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 65640 Date 11-20-16
 Company Name Stelbar oil corp
 Lease J. Nuss #1-36 Test No. 4
 County Scott Sec. 36 Twp. 17S Rng. 32W

SAMPLER RECOVERY

Gas 8 cuft 1600 ML
 Oil 400 ML
 Mud _____ ML
 Water _____ ML
 Other _____ ML
 Pressure _____ ML
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 5500 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 56
 Mud Weight 8.3
 Filtrate 8.0
 Other LCM 3

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 29 corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: J. Nuss #1-36
Location: Section 36 - T17S - R32W
License Number: API: 15-171-21187
Spud Date: 11 / 14 / 2016
Surface Coordinates: 1243' FNL and 1323' FWL
SW - SW - NE - NW
Region: Scott Co., KS
Drilling Completed: 11 / 22 / 16
Bottom Hole Coordinates:
Ground Elevation (ft): 2962' K.B. Elevation (ft): 2973'
Logged Interval (ft): 3700' To: 4640' Total Depth (ft): 4640'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Stelbar Oil Corporation
Address: 1625 N. Waterfront Pkwy., Suite 200
Wichita, Kansas 67206-6602

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 12427 W Ridgepoint Cir
Wichita, Kansas 67235

General Info

CONTRACTOR: Murfin Drilling, Rig #21

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	HTC-VM1	3-15s	314	314	2.25
2	7-7/8	HTC-DP506	18-16-16	4640	4326	74.25

SURVEYS: 314'-0.25, 1698'-0.25, 2715'-0.25, 3727'-0.75,
3994'-0.125, 4640'-0.125

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 19 collars (6.25" x 2.25"): 578.12'
Drilling with 10,000-14,000 lbs on bit and 90-95 RPM.
Pumping 60 S/M; 8.8 B/M; 850-950 psi at standpipe.

Daily Status

11/14/15 - Spud at 4:15 PM; Set 8-5/8" csg at 314'
 11/15/15 - 437' Drilling; DP at 5:15 AM
 11/16/15 - 2,408' Drilling; Lost circ @ 3,266'; Displace @ 3,270'
 11/17/15 - 3,515' Drilling
 11/18/16 - 3,970' DST #1 in progress; DST #2 @ 3,994'
 11/19/16 - 4,010' Drilling
 11/20/16 - 4,340' TOH with DST #3; DST #4 @ 4,424'
 11/21/16 - 4,438' Drilling; RTD 4,640' @ 2:45 PM; Log well
 11/22/16 - 4,640' Conclude logging @ 2:00 AM

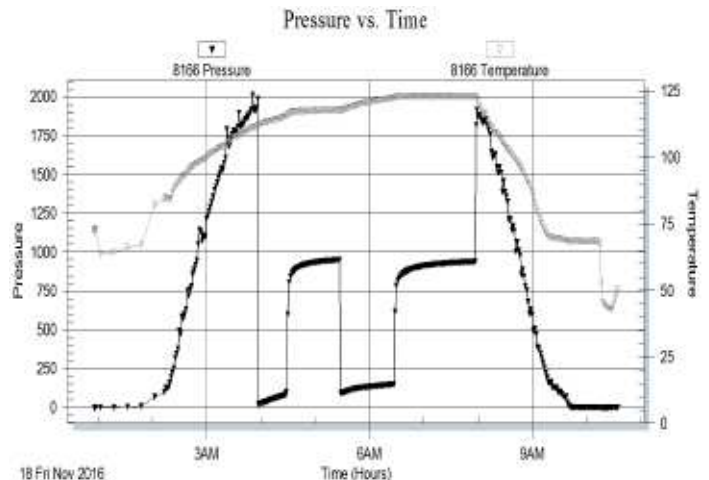
	Log Tops	Sample Tops
Anhydrite	2291 (+682)	2293 (+680)
Base / Anhydrite	2308 (+665)	2312 (+661)
Lecompton	3774 (-801)	3776 (-803)
Oread	3822 (-849)	3822 (-849)
Heebner	3885 (-912)	3886 (-913)
Lansing	3920 (-947)	3921 (-948)
Muncie Creek	4106 (-1133)	4106 (-1133)
Stark Sh	4203 (-1230)	4203 (-1230)
Hushpuckney Sh	4240 (-1267)	4241 (-1268)
Base of KC	4296 (-1323)	4294 (-1321)
Marmaton	4314 (-1341)	4314 (-1341)
Pawnee	4405 (-1432)	4406 (-1433)
Cherokee Sh	4450 (-1477)	4450 (-1477)
Lower Cher Sh	4478 (-1505)	4478 (-1505)
Johnson Zone	4513 (-1540)	4512 (-1539)
Morrow Sh	4548 (-1575)	4549 (-1576)
Mississippian	4565 (-1592)	4567 (-1594)
Total Depth	4640 (-1667)	4640 (-1667)

DST #1: 3,946' - 3,970' (LKC "B")
 30" - 60" - 60" - 90"

IF: Fair blow building to 7 inches
ISI: No blow back
FF: Fair blow building to BOB in 56 minutes
FSI: Blow back building to 1 inch

RECOVERY: 124' GIP & 350' Total Fluid, consisting of:
 164' GO (10% G, 90% O); Oil Gravity: 27 API
 186' GMCO (10% G, 60% O, 30% M)
Sampler: 1,000 ml Gas & 1,000 ml Oil @ 300 psi

SIP: 948-937; FP: 16-83, 91-150; HP: 1984-1911; BHT: 122

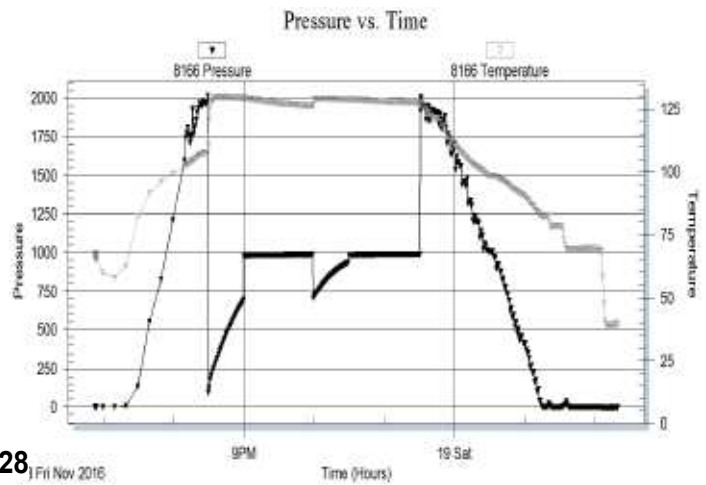


DST #2: 3,982' - 3,994' (LKC "C")
30" - 60" - 30" - 60"

IF: Strong blow building to BOB in 2 minutes
ISI: No blow back
FF: Strong blow building to BOB in 3 minutes
FSI: No blow back

RECOVERY: 1,632' Total Fluid, consisting of:
330' OSMW (50% W, 50% M)
1,302' W (100% W); Chlorides: 38,000 ppm
Sampler: 2,000 ml Water @ 500 psi

SIP: 985-986; FP: 94-692, 707-934; HP: 2012-2002; BHT: 128

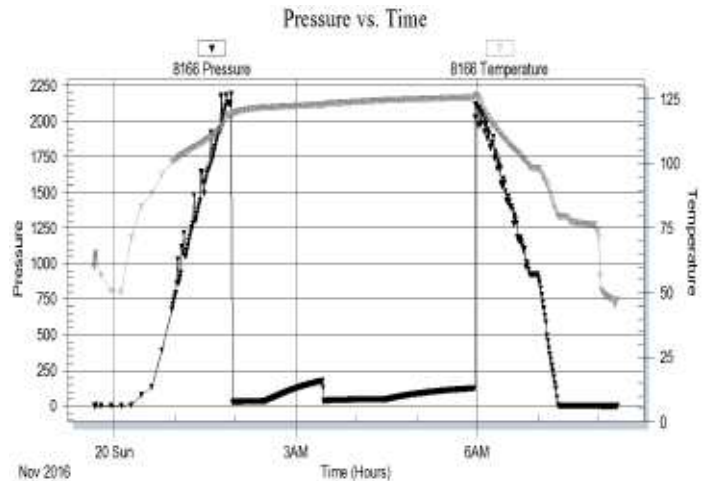


DST #3: 4,286' - 4,340' (Marmaton)
30" - 60" - 60" - 90"

IF: Weak blow building to 7 inches
ISI: No blow back
FF: Weak blow building to 9 inches
FSI: No blow back

RECOVERY: 310' GIP & 62' Total Fluid, consisting of:
62' SGOCM (10% G, 10% O, 80% M)
Sampler: 2 cu ft Gas @ 50 psi

SIP: 176-124; FP: 23-34, 32-46; HP: 2189-2116; BHT: 125

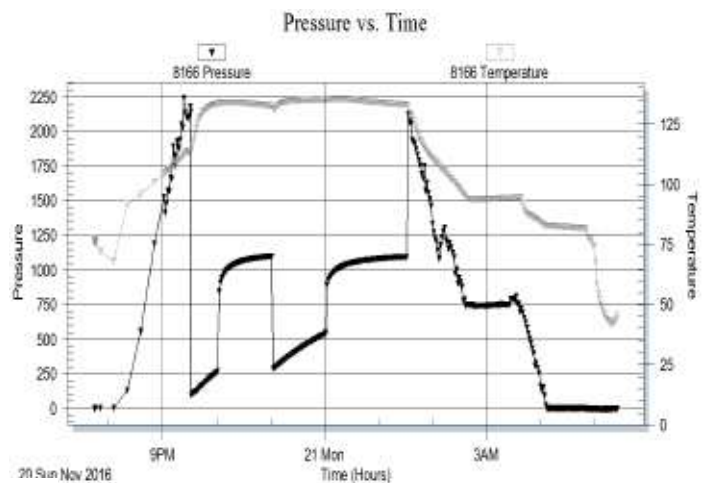


DST #4: 4,340' - 4,424' (Marmaton)
30" - 60" - 60" - 90"

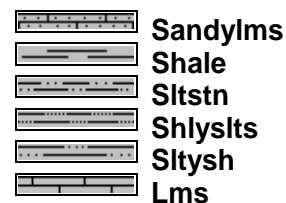
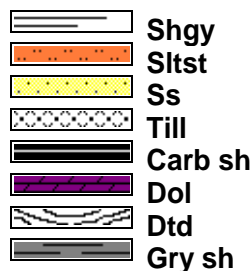
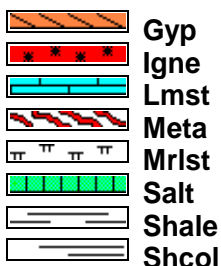
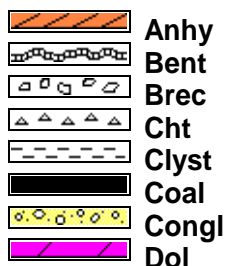
IF: Strong blow building to BOB in 1.5 minutes
ISI: Blow back building to BOB in 8 minutes
FF: Strong blow building to BOB in 2 minutes
Gas to Surface in 45 minutes, TSTM
FSI: Blow back building to BOB in 12 minutes

RECOVERY: 1,512' Total Fluid, consisting of:
1,388' GO (30% G, 70% O); Oil Gravity: 29 API
124' GOCM (40% G, 20% O, 40% M)
Sampler: 8 cu ft Gas & 400 ml Oil

SIP: 1101-1097; FP: 90-268, 289-547; HP: 2184-2128; BHT: 133



ROCK TYPES

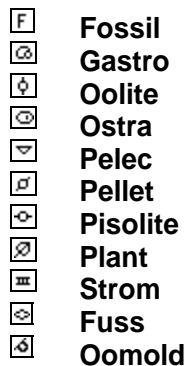
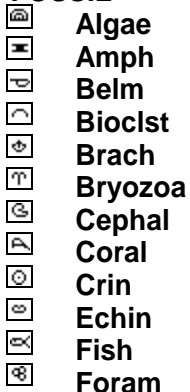


ACCESSORIES

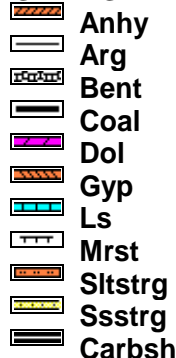
MINERAL



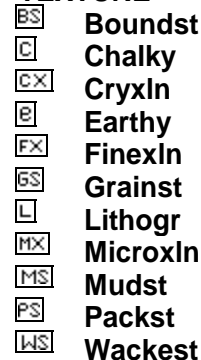
FOSSIL



STRINGER

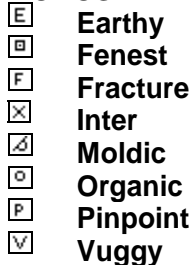


TEXTURE



OTHER SYMBOLS

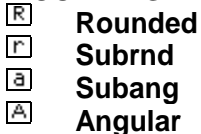
POROSITY TYPE



SORTING



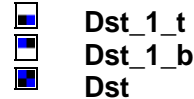
ROUNDING



OIL SHOWS

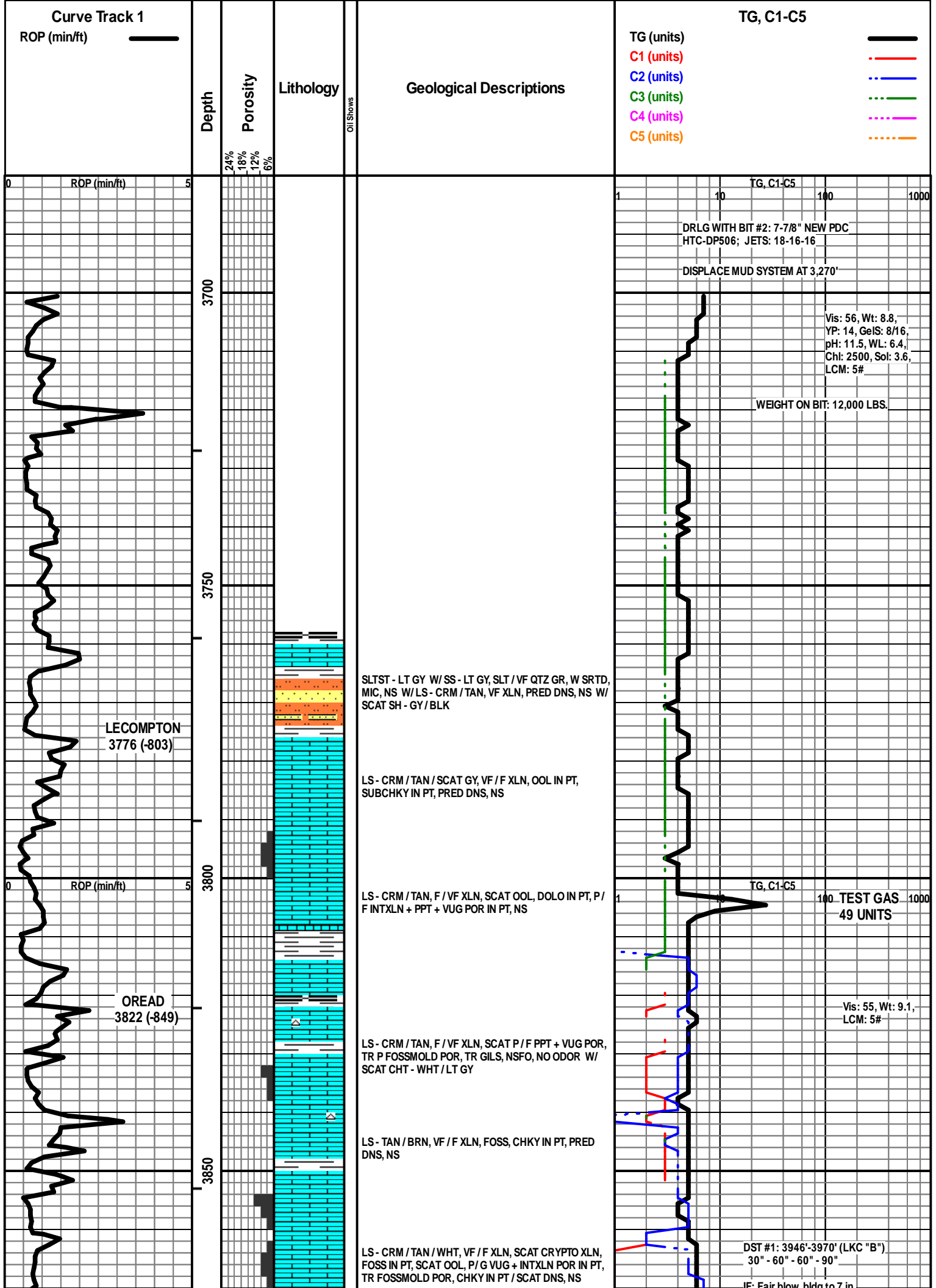


INTERVALS



EVENTS





HEEBNER
3886 (-913)

3900

LS - TAN / BRN, F XLN, SL FOSS, PRED DNS, NS W/ LS - CRM / WHT, VF / F XLN, SL FOSS, CHKY IN PT, PRED DNS, NS W/ CHT - WHT / LT GY W/ SH - GY / BLK, CARB IN PT

LS - AS ABOVE, NS

----- LANSING 3921 (-948)

LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / WHT / TAN, VF / F XLN, OOL IN PT, SL FOSS, SUBCHKY IN PT, PRED DNS, NS

LS - AS ABOVE W/ LS - TAN / BRN, F XLN, DNS, NS SH - GY / BLK

LS - CRM, F / VF XLN, OOL, P / F INTOOL / INTXLN + VUG POR, CHKY IN PT, SL / F SFO, VSSGB, POSS SCAT ASPH, F ODOR, PRED SPY / SCAT SAT STN, G FLUOR + CUT

LS - CRM / TAN, SIM TO ABOVE, FOSS IN PT, SCAT INTXLN + VUG POR, SOME WITH SSFO (CAVINGS?), SOME NS, NO ODOR

3991' CFS: LS - CRM / TAN / SCAT GY, F / VF XLN, SCAT F / M REXLN CALC, SCAT P / F INTXLN + VUG POR, SL / F SFO, TR GB, FT ODOR, SPY / TR SAT STN, G FLUOR + CUT, SOME CHKY / DNS

3994' CFS: LS, AA, P / G VUG + INTXLN POR, SL / F SFO + GB, F ODOR, SPY / SCAT SAT STN, G FLUOR + CUT, SCAT BARR VUG POR

LS - PRED CRM / TAN, AS ABOVE, SL FOSS, P / G VUG + INTXLN POR TO DNS / CHKY IN PT, SSFO, PRED BARR POR, F ODOR

LS - AS ABOVE, PRED DNS, VSSFO W/ SCAT LS - TAN / BRN, VF / F XLN, PRED DNS, NS, V FT ODOR

LS - CRM / TAN, F / VF XLN, FOSS + OOL IN PT, SUCR IN PT, SCAT PINTXLN + PPT POR, TR VUG POR, SUBCHKY IN PT, NS W/ CHT - WHT / LT GY W/ SCAT LS - AS ABOVE (CAVINGS), VSSFO, V FT ODOR, SCAT SPY BLK DEAD STN

LS - CRM / TAN / GY, F / VF XLN, OOL IN PT, SL FOSS, F / G OOM + VUG POR, NS

LS - CRM / TAN, F / VF XLN, OOL + FOSS IN PT, F VUG POR, SCAT MOLDIC POR, CHKY IN PT / DNS, NS

ISI: No blow back
FF: Fair blow, BOB in 56 min.
FSI: Blow back bldg to 1 in.

RECOVERY: 124' GIP & 350' TF:
164' GO (10% G, 90% O)
186' GMCO (10% G, 60% O, 30% M)
Sampler: 1000 ml G & 1000 ml O
Oil Gravity: 27 API

SIP: 948-937 HP: 1984-1911
FP: 16-83, 91-150 BHT: 122

DST #2: 3982'-3994' (LKC "C")
30" - 60" - 30" - 60"

IF: Strong blow, BOB in 2 min.
ISI: No blow back
FF: Strong blow, BOB in 3 min.
FSI: No blow back

RECOVERY: 1632' Total Fluid:
330' OSMW (50% W, 50% M)
1302' W (100% W)
Sampler: 2000 ml W @ 500 psi
Chlorides recovery: 38,000 ppm

SIP: 985-986 HP: 2012-2002
FP: 94-692, 707-934 BHT: 128

INCREASE WEIGHT
ON BIT TO 14,000 LBS.

Vis: 57, Wt: 9.2,
YP: 15, GeIS: 10/20,
pH: 11.5, WL: 7.2,
Chl: 4000, Sol: 5.8,
LCM: 3#

HIGH GAS DUE TO OIL
IN DRILLING FLUIDS

GAS QUESTIONABLE DUE TO
OIL IN DRILLING FLUIDS

TG, C1-C5 100 1000

A

B

C

D / E

F

CFS @ 3970'

CFS @ 3991'
CFS @ 3994'

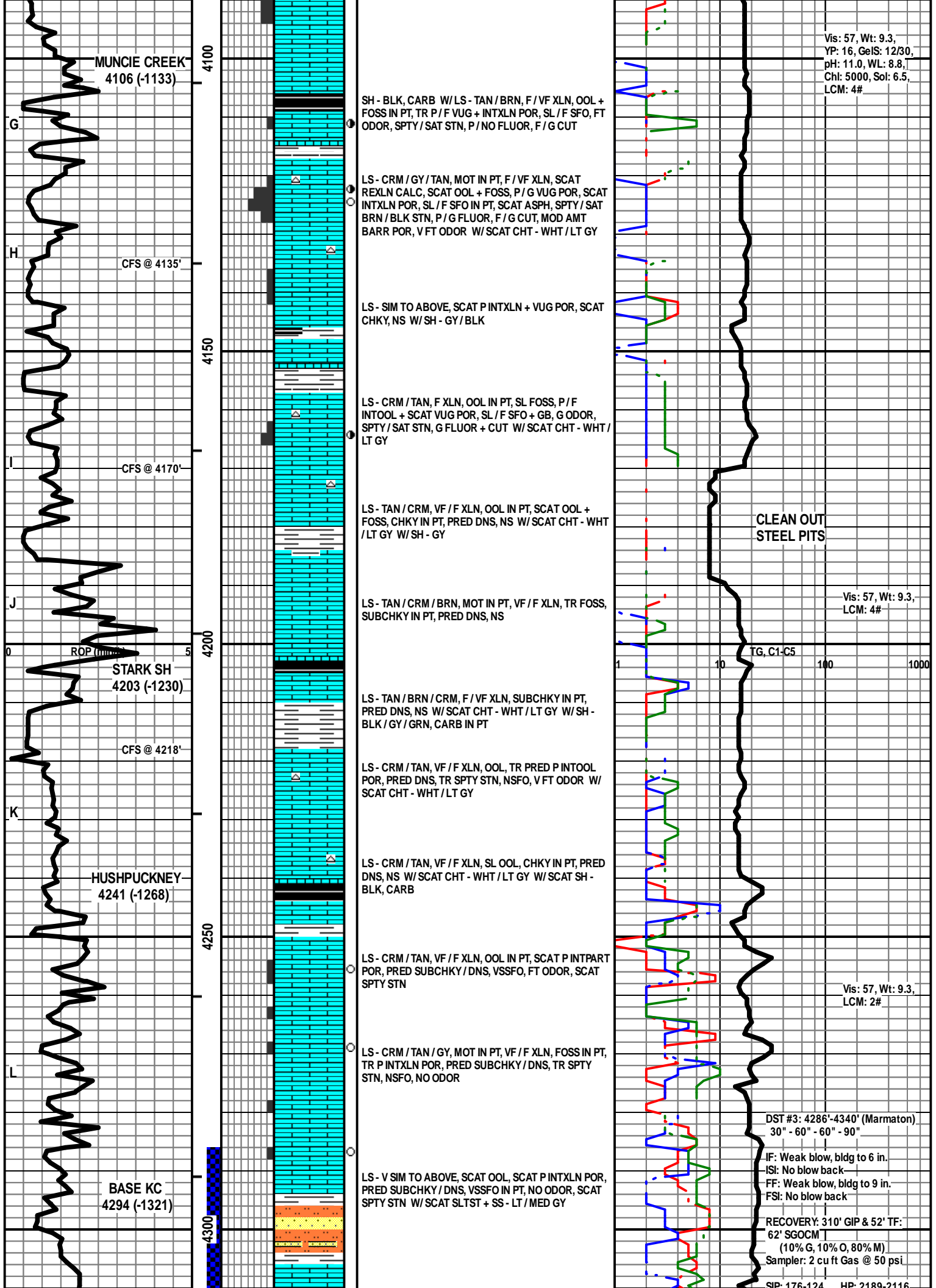
CFS @ 4037'

3950

4000

4050

ROP (min/ft)



MARMATON
4314 (-1341)

CFS @ 4340'

CFS @ 4378'

PAWNEE
4406 (-1433)

CFS @ 4424'

CHEROKEE
4450 (-1477)

JOHNSON ZN
4512 (-1539)

LS - CRM / TAN, VF / F XLN, OOL IN PT, PRED DNS, NS
W/LS - TAN / BRN, F XLN, OOL PRED DNS, NS

LS - TAN / CRM, F / M XLN, SCAT REXLN CALC, FOSS +
OOL, F INTXLN / INTPART + VUG POR, SL / F SFO + GB,
SCAT ASPH + BLK FLKS, V FT ODOR, SPTY / SAT STN,
G FLUOR + CUT W/AREN LS - CRM / WHT, VF / F XLN,
VF QTZ GR, NO VIS POR, NS W/SS - LT / MED GY, VF /
SCAT F QTZ GR, CALC, P / NO VIS POR, NS (CAVINGS?)

MOD AMT LS - CRM / TAN / SCAT BRN, PRED F XLN,
SCAT F / C REXLN CALC, FOSS + OOL IN PT, SOME P / F
VUG POR, SL / F SFO + GB, G ODOR, SPTY / SAT STN, G
FLUOR + CUT (POSS. CAVINGS ?) W/ SOME LS - CRM /
TAN, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SL OOL IN PT, SUBCHKY IN
PT, TR P INTXLN POR, PRED DNS, TR SPTY STN, NSFO
W/SH - LT / MED GY W/ SOME CAVINGS FROM ABOVE

LS - LS - CRM / TAN, F XLN, FOSS, OOL IN PT, SCAT P /
F FOSSMOLD + INTXLN POR, TR P INTOOL POR, SL / F
SFO, SSGB, SCAT ASPH + FLKY DEAD OIL, FT ODOR,
SPTY / SAT STN, F / G FLUOR + CUT, SCAT BARR POR

LS - TAN / SCAT CRM, VF / F XLN, SCAT FOSS + OOL,
TR P INTOOL / INTXLN POR, PRED DNS, TR SPTYSTN,
NSFO, NO ODOR

SH - BLK CARB / GY W/LS - CRM / TAN, VF / F XLN,
OOL IN PT, SL FOSS, TR P INTXLN POR, SUBCHKY IN
PT, PRED DNS, TR SPTY STN, NSFO, NO ODOR W/CHT
- WHT / LT GY

LS - V SIM TO ABOVE, PRED DNS, NS

LS - TAN / CRM / BRN, MOT IN PT, F / VF XLN, FOSS IN
PT, PRED DNS, NS ABNT SH - BLK / GY, CARB IN PT

LS - CRM / TAN, F / VF XLN, OOL IN PT, SL FOSS, SCAT
P INTOOL POR, PRED DNS, VSSFO, NO ODOR, SCAT
SPTY STN W/SH - BLK, CARB

LS - TAN / BRN / SCAT CRM, F / VF XLN, FOSS IN PT,
SCAT OOL, TR P INTXLN POR, PRED DNS, NS

LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, OOL IN PT,
SL FOSS, TR P INTXLN + VUG POR, PRED DNS, VSSFO,
NO ODOR, TR SPTY STN

LS - TAN / BRN / CRM, MOT IN PT, F / VF XLN, OOL IN
PT, SL FOSS, PRED DNS, NS W/SH - GY / BLK, CARB IN
PT

LS - TAN / CRM / SCAT BRN, MOT IN PT, VF / F XLN, SL
OOL + FOSS, TR P INTOOL / INTXLN POR, SUBCHKY IN
PT / PRED DNS, TR SPTY STN, NSFO, NO ODOR

FP: 23-34, 32-46 BHT: 125

Vis: 56, Wt: 9.3,
YP: 14, GeIS: 10/19,
pH: 11.0, WL: 8.0,
Chl: 5500, Sol: 6.4,
LCM: 3#

DST #4: 4340'-4424' (Marmaton)
30" - 60" - 60" - 90"

IF: Blow bldg to BOB in 1.5 min.
ISl: Blow back to BOB in 8 min.
FF: Blow bldg to BOB in 2 min.
GTS in 45 min., TSTM
FSI: Blow back to BOB in 12 min.

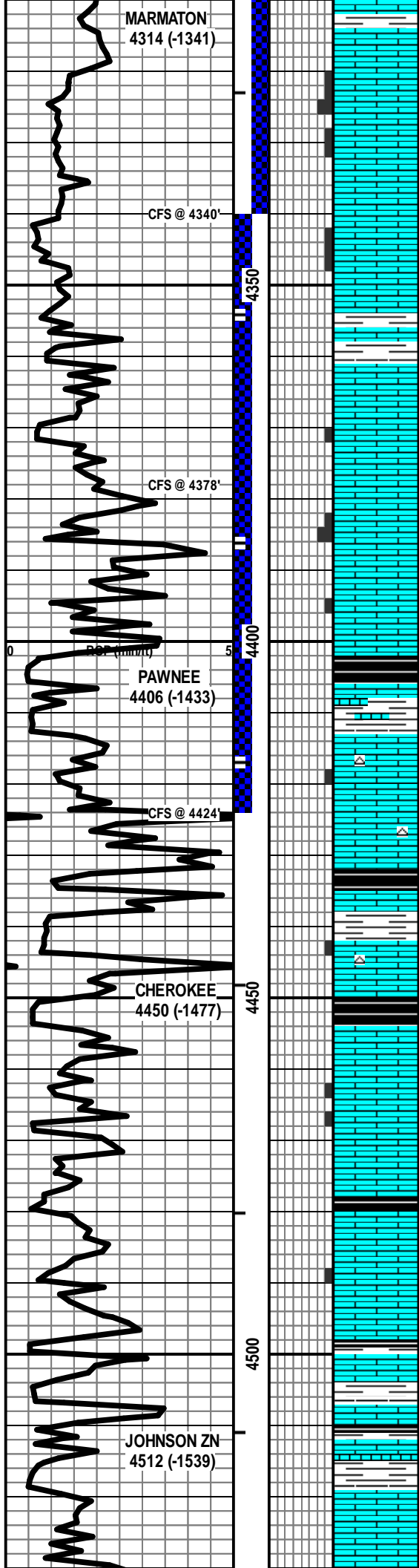
RECOVERY: 1,512' Total Fluid:
1,388' GO (30% G, 70% O)
124' GOCM (40% G, 20% O, 40% M)
Sampler: 8 cu ft Gas & 400 ml Oil
Oil Gravity: 29 API

SIP: 1101-1097 HP: 2184-2128
FP: 90-268, 289-547 BHT: 133

CLEAN OUT
STEEL PITS

1 10 100 1000
TG, C1-C

Vis: 58, Wt: 9.2,
LCM: 3#



LS - CRM / TAN, VF / F XLN, OOL IN PT, PRED DNS, NS
W/LS - TAN / BRN, F XLN, OOL PRED DNS, NS

LS - TAN / CRM, F / M XLN, SCAT REXLN CALC, FOSS +
OOL, F INTXLN / INTPART + VUG POR, SL / F SFO + GB,
SCAT ASPH + BLK FLKS, V FT ODOR, SPTY / SAT STN,
G FLUOR + CUT W/AREN LS - CRM / WHT, VF / F XLN,
VF QTZ GR, NO VIS POR, NS W/SS - LT / MED GY, VF /
SCAT F QTZ GR, CALC, P / NO VIS POR, NS (CAVINGS?)

MOD AMT LS - CRM / TAN / SCAT BRN, PRED F XLN,
SCAT F / C REXLN CALC, FOSS + OOL IN PT, SOME P / F
VUG POR, SL / F SFO + GB, G ODOR, SPTY / SAT STN, G
FLUOR + CUT (POSS. CAVINGS ?) W/ SOME LS - CRM /
TAN, VF / F XLN, SUBCHKY IN PT, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SL OOL IN PT, SUBCHKY IN
PT, TR P INTXLN POR, PRED DNS, TR SPTY STN, NSFO
W/SH - LT / MED GY W/ SOME CAVINGS FROM ABOVE

LS - LS - CRM / TAN, F XLN, FOSS, OOL IN PT, SCAT P /
F FOSSMOLD + INTXLN POR, TR P INTOOL POR, SL / F
SFO, SSGB, SCAT ASPH + FLKY DEAD OIL, FT ODOR,
SPTY / SAT STN, F / G FLUOR + CUT, SCAT BARR POR

LS - TAN / SCAT CRM, VF / F XLN, SCAT FOSS + OOL,
TR P INTOOL / INTXLN POR, PRED DNS, TR SPTYSTN,
NSFO, NO ODOR

SH - BLK CARB / GY W/LS - CRM / TAN, VF / F XLN,
OOL IN PT, SL FOSS, TR P INTXLN POR, SUBCHKY IN
PT, PRED DNS, TR SPTY STN, NSFO, NO ODOR W/CHT
- WHT / LT GY

LS - V SIM TO ABOVE, PRED DNS, NS

LS - TAN / CRM / BRN, MOT IN PT, F / VF XLN, FOSS IN
PT, PRED DNS, NS ABNT SH - BLK / GY, CARB IN PT

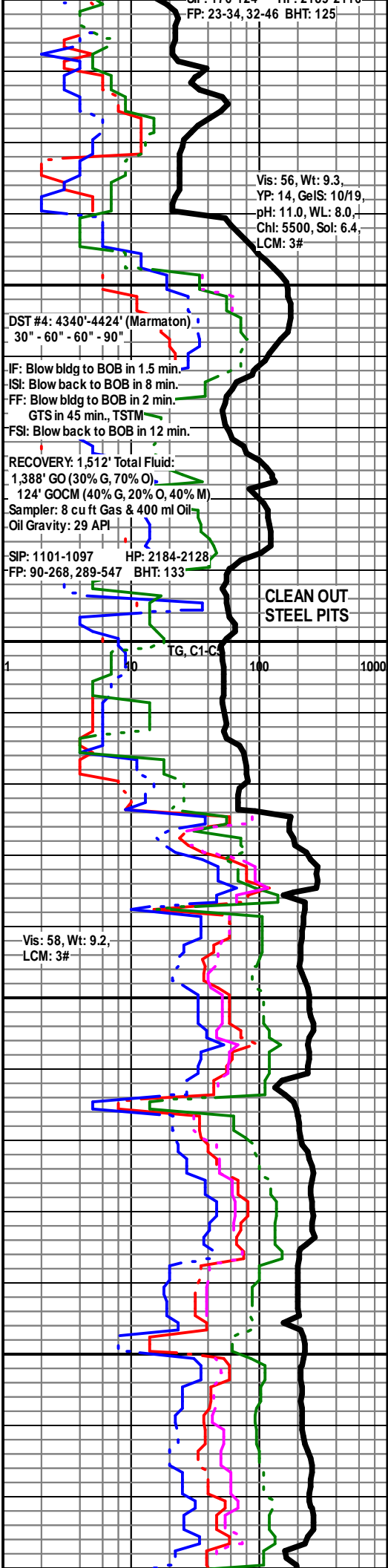
LS - CRM / TAN, F / VF XLN, OOL IN PT, SL FOSS, SCAT
P INTOOL POR, PRED DNS, VSSFO, NO ODOR, SCAT
SPTY STN W/SH - BLK, CARB

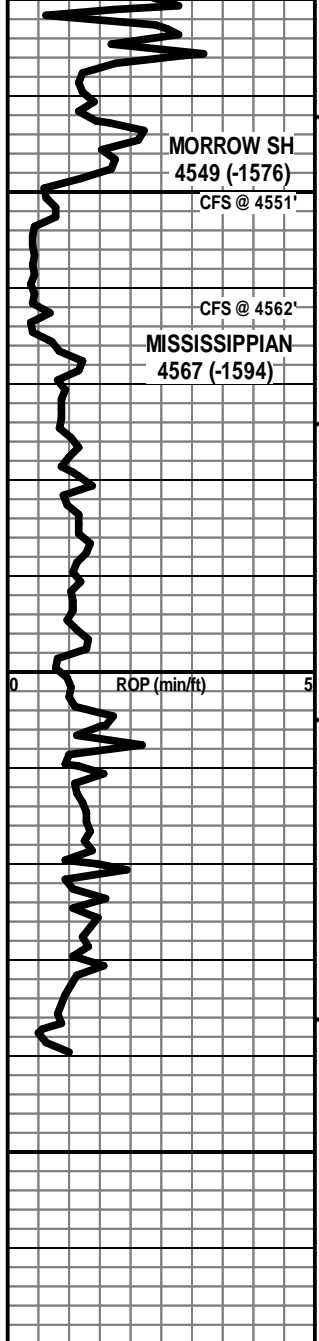
LS - TAN / BRN / SCAT CRM, F / VF XLN, FOSS IN PT,
SCAT OOL, TR P INTXLN POR, PRED DNS, NS

LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, OOL IN PT,
SL FOSS, TR P INTXLN + VUG POR, PRED DNS, VSSFO,
NO ODOR, TR SPTY STN

LS - TAN / BRN / CRM, MOT IN PT, F / VF XLN, OOL IN
PT, SL FOSS, PRED DNS, NS W/SH - GY / BLK, CARB IN
PT

LS - TAN / CRM / SCAT BRN, MOT IN PT, VF / F XLN, SL
OOL + FOSS, TR P INTOOL / INTXLN POR, SUBCHKY IN
PT / PRED DNS, TR SPTY STN, NSFO, NO ODOR



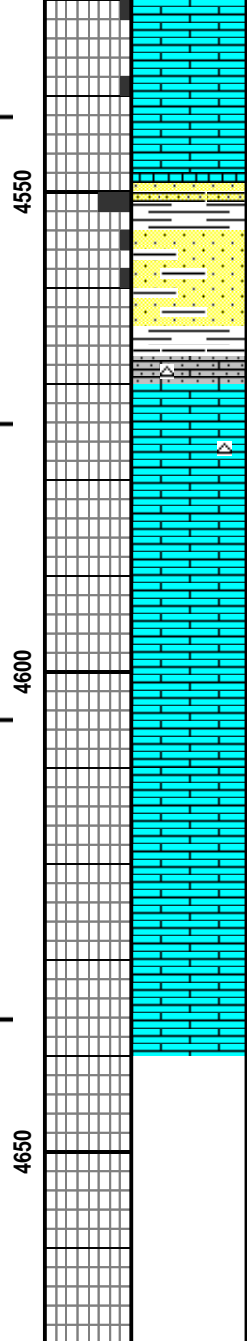


MORROW SH
4549 (-1576)

CFS @ 4551'

CFS @ 4562'

MISSISSIPPIAN
4567 (-1594)



LS - CRM / TAN / GY, MOT IN PT, F / VF XLN, OOL IN PT, SL FOSS, TR P INTXLN + VUG POR, PRED DNS / CHKY, VSSFO, NO ODOR, TR SPTY STN W/SS - TAN / CRM / SCAT LT GY, VF / F GR, W SRTD, R / SA, SIL CEM, SCAT WHT CLAY, P / F INTGR POR, FRI IN PT, SL / F SFO + GB, V FT ODOR, SPTY / SUBSAT STN, F / G FLUOR, G CUT

4562' CFS: SH - LT GRN / GY W/SS - LT / MED GY / SCAT GRN, PRED VF / F GR, SCAT M / C GR, P / W SRTD, SA / R, SIL CEM, ARGIL / SLTY IN PT, TR P / F INTGR POR, TR FO + FLKY DEAD OIL, NO ODOR, SCAT BLK SPTY STN, P FLUOR, P / G CUT

LS - WHT / CRM, VF XLN, AREN, OOL IN PT, CHKY / DNS, NS W/LS - CRM / TAN, VF / F XLN, OOL IN PT, PRED DNS, NS W/SCAT CHT - GY / TAN / ORG

LS - CRM / TAN, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SCAT CRYPTO XLN, OOL IN PT, SCAT CHKY, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SCAT CRYPTO XLN, OOL IN PT, SCAT CHKY, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SCAT CRYPTO XLN, OOL IN PT, SCAT CHKY, PRED DNS, NS

TOTAL DEPTH 4640 (-1667)

