



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1213495
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1213495

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Solko Trust 1-25
Doc ID	1213495

All Electric Logs Run

Dual Induction
Dual Compensated
Microresistivity
Borehole Compensated



INVOICE

*net.
Prod-Lt.*

PO Box 93999
Southlake, TX 76092

Invoice Number: 141901

Invoice Date: Mar 14, 2014

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Bill To:
Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Customer ID	Field Ticket #	Payment Terms	
Murfin	62583	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 14, 2014	4/13/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Solko #1-25		
190.00	CEMENT MATERIALS	Class A Common	17.90	3,401.00
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
199.50	CEMENT SERVICE	Cubic Feet Charge	2.48	494.76
413.95	CEMENT SERVICE	Ton Mileage Charge	2.60	1,076.27
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2,713.12 *35%*

ONLY IF PAID ON OR BEFORE
Apr 8, 2014

Subtotal	7,751.78
Sales Tax	304.07
Total Invoice Amount	8,055.85
Payment/Credit Applied	
TOTAL	8,055.85

- 2713.12
5342.73

OK MSR

ALLIED OIL & GAS SERVICES, LLC

062583

Federal Tax I.D. # 20-8651476

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Beatty, Ki

DATE <u>3/14/14</u>	SEC <u>25</u>	TWP <u>4</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>1:00 PM</u>
LEASE # <u>90169</u>	WELL # <u>125</u>	LOCATION <u>Redwood 7N 1E 8W</u>			COUNTY <u>DeWitt</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>1 1/2 W 5th E into</u>			

CONTRACTOR Martin R OWNER Same

TYPE OF JOB Surf seal
 HOLE SIZE 12 1/4 T.D. 222
 CASING SIZE 8 5/8 DEPTH 222
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH

PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 13-15

EQUIPMENT
 PUMP TRUCK CEMENTER Alan Ryan
 # 123281 HELPER Kevin Ryan
 BULK TRUCK
 # 818 DRIVER Juan M (TOS)
 BULK TRUCK
 # DRIVER

REMARKS:
An Ag, Circulate, mix cement
Displace cement, shut in
Cement Seal Circulate
Thank you
Alan King Juan M

CHARGE TO: Acme Drilling
 STREET _____
 CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas 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 Alvin Colonias
 SIGNATURE Alvin Colonias

CEMENT AMOUNT ORDERED 190 Conn 378cc
 COMMON 190 @ 172 3401.00
 POZMIX @
 GEL @
 CHLORIDE 7 @ 64.00 448.00
 ASC @
 HANDLING 199.5 CF @ 2.12 422.94
 MILEAGE 266 7.00/mile 9.199 total 2426.28
 TOTAL 5420.04

SERVICE
 DEPTH OF JOB 222'
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @
 MILEAGE 45 @ 8.00 360.00
 MANIFOLD @ 275.00
Life Vehicle 45 @ 4.00 198.00
 TOTAL 2331.25

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 @
 TOTAL _____

SALES TAX (if Any) _____
 TOTAL CHARGES 7,751.79
 DISCOUNT 2,713.12 IF PAID IN 30 DAYS
5,038.66 Net.



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



Invoice

DATE	INVOICE #
3/22/2014	25407

BILL TO
Murfin Drilling Co Inc PO Box 661 Colby, KS 67701-0661
USED FOR <u>LC 103</u>
APPROVED <u>JT A</u> <u>FL</u>

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-25	Solko Trust	Rawlins	Company Tools	Oil	Development	LongString - Top...	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				150	Miles	6.00	900.00
579D	Pump Charge - Top To Bottom LongString - 4517 Feet				1	Job	2,000.00	2,000.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
403-5	5 1/2" Cement Basket				3	Each	300.00	900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				15	Each	90.00	1,350.00T
413-5	5 1/2" Roto Wall Scratcher				20	Each	40.00	800.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				200	Sacks	14.50	2,900.00T
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	18.50	5,550.00T
276	Flocele				125	Lb(s)	2.50	312.50T
283	Salt				1,000	Lb(s)	0.20	200.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				150	Lb(s)	4.50	675.00T
581D	Service Charge Cement				500	Sacks	2.00	1,000.00
583D	Drayage				3,772.5	Ton Miles	1.00	3,772.50
	Subtotal							22,460.00
	Sales Tax Rawlins County						7.90%	1,168.21
We Appreciate Your Business!							Total	\$23,628.21



CHARGE TO: Martin D & G Co Inc.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 25407

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Hays, KS.
 2. Ness City, KS.
 3. _____
 4. _____

WELL/PROJECT NO. #1-25
 TICKET TYPE SERVICE SALES
 CONTRACTOR Co Tads #2
 WELL TYPE _____
 WELL CATEGORY _____
 RIG NAME/NO. Ravellas
 COUNTY/PARISH Saline Twp
 STATE KS
 CITY _____
 DATE 3-22-14
 ORDER NO. _____
 OWNER same

LEASE _____
 JOB PURPOSE Development Longstring Tpt to Blm
 DELIVERED TO Leartica
 WELL PERMIT NO. _____
 WELL LOCATION _____

INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					4111	150	mi				6.00	900.00
579					Pump Charge (Top to Bottom)	1	ea	45	17'		2000.00	2000.00
221					K&L	4	gal				25.00	100.00
281					Mud Flush	500	gal				1.25	625.00
290					D-Air	5	gal				42.00	210.00
403					Baskets	3	ea	5	1/2"		300.00	900.00
466					K D Plug & Buds	1	ea				275.00	275.00
467					Insert Floot Shoe w/ D11	1	ea				325.00	325.00
468					Turbolizer	15	ea				90.00	1350.00
413					Rotawall Scrubbers	20	ea				40.00	800.00
419					Rotating Head	1	ea				200.00	200.00

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

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

DATE SIGNED 3-22-14 TIME SIGNED 16:40 A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 1
MET YOUR NEEDS?				page 2
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rowlins TAX 7.9%
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL 23,628.21

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

SWIFT OPERATOR Nick Tonke APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 25407

CUSTOMER: *Wm. D. Dwyer Co Inc* WELL: *W-25 Selko Trust* DATE: *3-22-14* PAGE: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL			UNIT PRICE	AMOUNT
		LOG	NOCT	DP			QTY	UM	QTY		
325						Standard Cement	200	SKS		14.50	2900.00
330						SMD Cement	300	SKS		18.50	5550.00
276						Fluocel	125	BA	3/8	2.50	312.50
283						Salt	1000	BA	1/10	20	2000.00
284						Cal Seal	9	SKS	5/16	35.00	315.00
285						CFR-1	150	BA	3/4	4.50	675.00
1-81						SENRICE CHARGE				2.00	1000.00
585						MILEAGE CHANGE				1.00	372.00
						TOTAL WEIGHT	50303				
						LOADED MILES	150				
						TON MILES	3772.50				
						CUBIC FEET					

CONTINUATION TOTAL 14795.00

JOB LOG

SWIFT Services, Inc.

DATE 3-22-11 PAGE NO. 1

CUSTOMER Murkin Drilling Co Inc

WELL NO. #1-25

LEASE Sika Trust

JOB TYPE Long string (Top to Bit)

TICKET NO. 25407

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							on loc 50/FE
								RTD 4577'
								5 1/2" x 15.5 # x 4571' x 21'
								Turbo 1-10, 12, 14, 18, 44, 66
								Back 19, 45, 67
	1115							Start FE
	1215							#66 Break circ.
	1355							Bottom Break circ.
	1500	5	0			200		start 50 gal Mud Flush
		5	12/0			200		start 20 bbl KCL flush
		5	20/0			200		start SMD Cement 255 sks
		5	148/0			200		start Standard Cement 200 sks
	1545		48					End Cement
								Wash P&L
								Drop LD Plug
	1550	6	0			200		start Displacement
		5	53			250		catch Cement
	1610		107			950/1500		Load Plug
								Release Pressure
								Float Held
	1615	2.5	7/4					Plug RT/MH 30, 15 sks SMD
								did not circ. cont. sks to pit
								Thank you
								Nick, David E., Jarrod, Isaac

Solko Trust #1-25
 Daily Drilling Report
 Page Two

- 3/20/14 Depth 4114'. Cut 113'. DT: None. CT: 17hrs. Dev.: None. **LKC H:** Ls tan to white, fxln, chalky, sl cherty, oolitic in part, foss, no vis por. **LKC J:** Ls white, fxln, sl chalky, sl cherty, foss, fr pp por, 5% sample dark sat stain, slsfo, faint odor. **LKC K:** Ls tan to white, f-mxln, chalky, oolitic, sl foss, no vis por, ns. **DST #3 4014-4114' (LKC H-K):** 30-60-60-90. IF: BOB @ 26mins. FF: BOB @ 29mins. FSI: ¾" return. Rec.: 30'O, 165'OCM (20%O, 80%M), 250'OMCW (10%O, 20%M, 70%W). HP: 2026-2008. FP: 19/119, 123/190. BHT: 119°.
- 3/21/14 Depth 4340'. Cut 226'. DT: None. CT: 8¼ hrs. Dev.: None.
- 3/22/14 RTD: 4517'. Cut 177'. DT: None. CT: 15½ hrs. Dev.: 1° @ 4517'. HC @ 4:30PM. Pioneer logged. LTD 4519'
- 3/23/14 RTD: 4517'. CT: 13¼ hrs. Ran 107jts of 5 ½" prod csg, set @ 4511'. Swift cmt w/ 250sxs SMD, 200sxs EA-2. PD @ 4:15PM 3/22. 30sxs @ RH, 20sxs MH. No cmt to pit. RR @ 8:15PM 3/22.

Solko Trust #1-25 1400' FNL 1650' FEL Sec. 25-4S-31W 2873' KB							Brown #1-30 550' FNL 1820' FWL Sec. 30-4S-30W 2846' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2630	+243	+7	2629	+244	+8	2610	+236
B/Anhydrite	2665	+208	+5	2662	+211	+8	2643	+203
Topeka	3704	-831	+15	3706	-833	+13	3692	-846
Heebner	3871	-998	+12	3872	-999	+11	3856	-1010
Lansing	3919	-1046	+16	3922	-1049	+13	3908	-1062
Stark	4083	-1210	+13	4088	-1215	+8	4069	-1223
BKC	4130	-1257	+6	4130	-1257	+6	4109	-1263
Pawnee	4243	-1370	+14	4248	-1375	+9	4230	-1384
Cherokee	4331	-1458	+10	4332	-1459	+9	4314	-1468
Mississippi	4443	-1570	+23	4448	-1575	+18	4439	-1593
RTD	4517						4500	
LTD				4519			4506	



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Robert Hendrix

Solko Trust #1-25

25-4s-31w Rawlins,KS

Start Date: 2014.03.18 @ 07:11:00

End Date: 2014.03.18 @ 15:47:00

Job Ticket #: 56367 DST #: 1

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

Printed: 2014.03.25 @ 09:58:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56367

DST#: 1

ATTN: Robert Hendrix

Test Start: 2014.03.18 @ 07:11:00

GENERAL INFORMATION:

Formation: **Toronto - LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:28:45

Time Test Ended: 15:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Samuel Esparza

Unit No: 71

Interval: 3870.00 ft (KB) To 3955.00 ft (KB) (TVD)

Reference Elevations: 2873.00 ft (KB)

Total Depth: 3955.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845

Inside

Press@RunDepth: 304.16 psig @ 3871.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.18

End Date:

2014.03.18

Last Calib.:

2014.03.18

Start Time: 07:11:05

End Time:

15:47:00

Time On Btm:

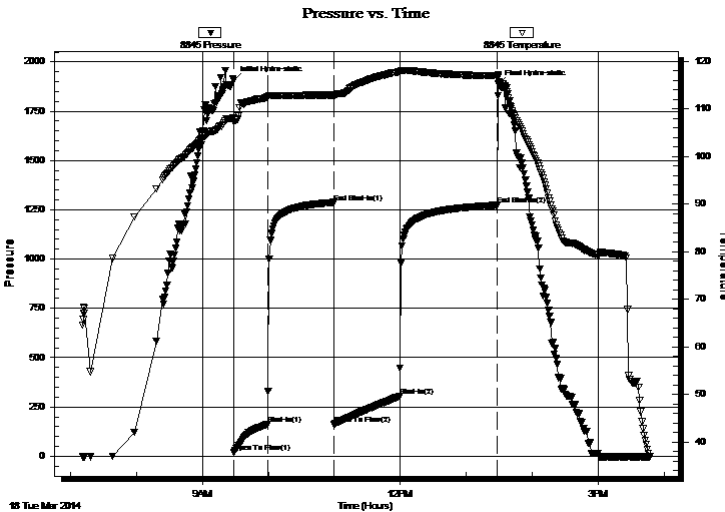
2014.03.18 @ 09:28:30

Time Off Btm:

2014.03.18 @ 13:29:00

TEST COMMENT: IF: BOB Blow @ 20 min.
IS: No Return.
FF: BOB Blow @ 22 min.
FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.35	108.12	Initial Hydro-static
1	20.99	107.23	Open To Flow (1)
31	163.01	112.49	Shut-In(1)
91	1287.44	112.87	End Shut-In(1)
92	163.13	112.56	Open To Flow (2)
151	304.16	117.78	Shut-In(2)
240	1273.38	116.92	End Shut-In(2)
241	1887.31	116.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
510.00	OMCW 5o 5m 90w	5.27
315.00	WOCM 20w 30o 50m	4.42
45.00	Oil	0.63

Gas Rates

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



DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

ATTN: Robert Hendrix

Job Ticket: 56367

DST#: 1

Test Start: 2014.03.18 @ 07:11:00

GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:28:45

Time Test Ended: 15:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Samuel Esparza

Unit No: 71

Interval: **3870.00 ft (KB) To 3955.00 ft (KB) (TVD)**

Reference Elevations: 2873.00 ft (KB)

Total Depth: 3955.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6772 **Outside**

Press@RunDepth: psig @ 3871.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.18 End Date: 2014.03.18

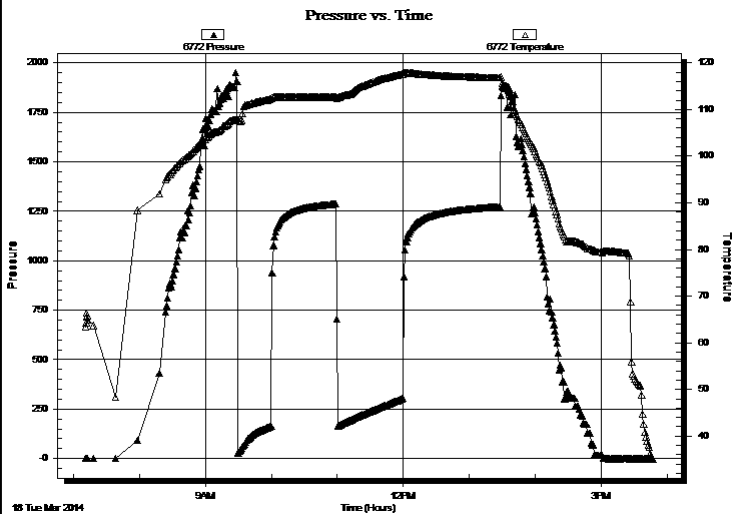
Last Calib.: 2014.03.18

Start Time: 07:11:05 End Time: 15:47:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB Blow @ 20 min.
IS: No Return.
FF: BOB Blow @ 22 min.
FS: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
510.00	OMCW 5o 5m 90w	5.27
315.00	WOCM 20w 30o 50m	4.42
45.00	Oil	0.63

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56367

DST#: 1

ATTN: Robert Hendrix

Test Start: 2014.03.18 @ 07:11:00

Tool Information

Drill Pipe:	Length: 3650.00 ft	Diameter: 3.80 inches	Volume: 51.20 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: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 52.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3870.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3843.00	
Shut In Tool	5.00			3848.00	
Hydraulic tool	5.00			3853.00	
Jars	5.00			3858.00	
Safety Joint	3.00			3861.00	
Packer	5.00			3866.00	28.00 Bottom Of Top Packer
Packer	4.00			3870.00	
Stubb	1.00			3871.00	
Recorder	0.00	6772	Outside	3871.00	
Recorder	0.00	8845	Inside	3871.00	
Perforations	14.00			3885.00	
Change Over Sub	1.00			3886.00	
Drill Pipe	63.00			3949.00	
Change Over Sub	1.00			3950.00	
Bullnose	5.00			3955.00	85.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56367

DST#: 1

ATTN: Robert Hendrix

Test Start: 2014.03.18 @ 07:11:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
510.00	OMCW 5o 5m 90w	5.268
315.00	WOCM 20w 30o 50m	4.419
45.00	Oil	0.631

Total Length: 870.00 ft Total Volume: 10.318 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

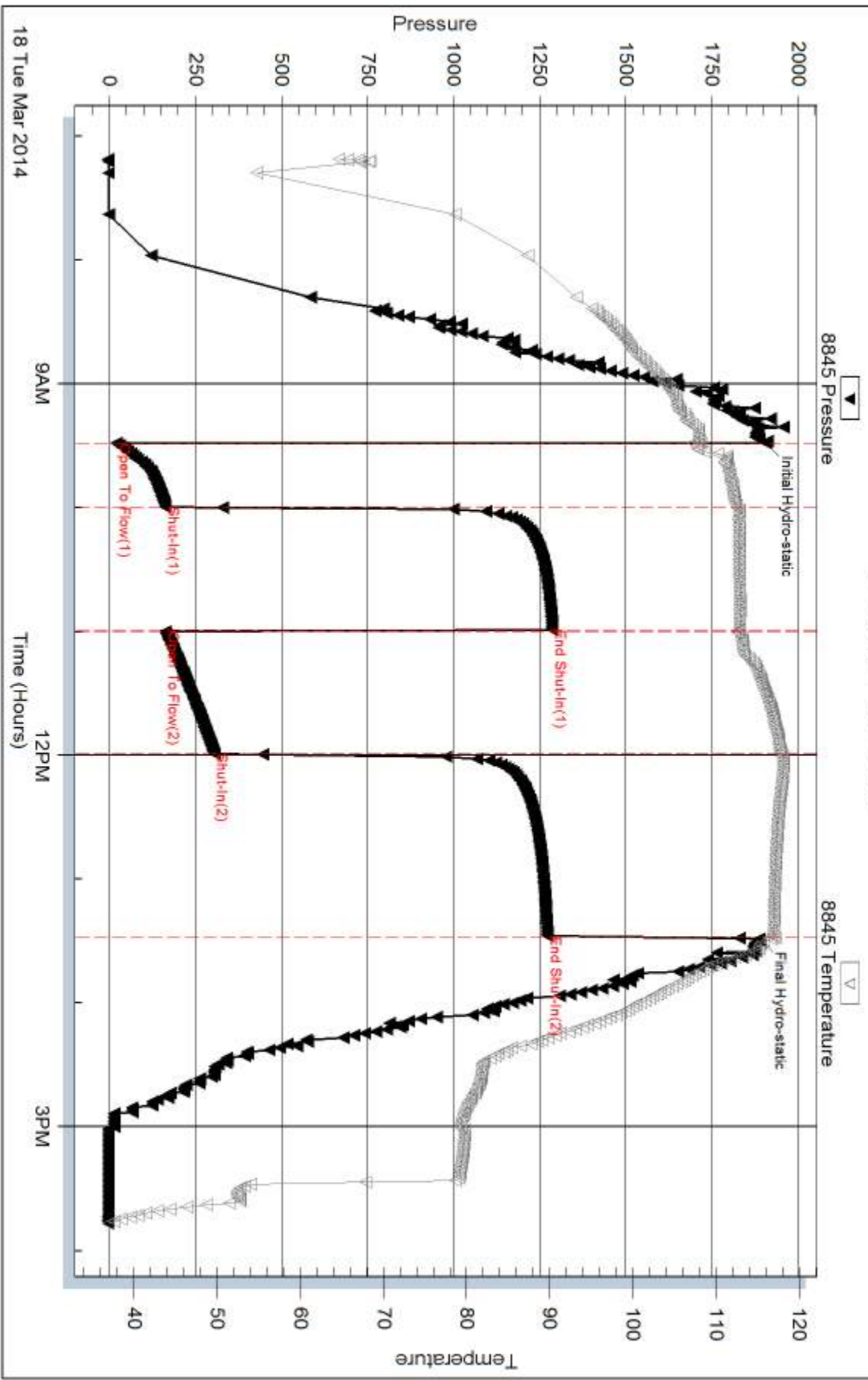
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity: 26 @ 40 degrees= 28 deg API

Water Salinity: .522 @ 36 degrees= 25,000 ppm

Pressure vs. Time

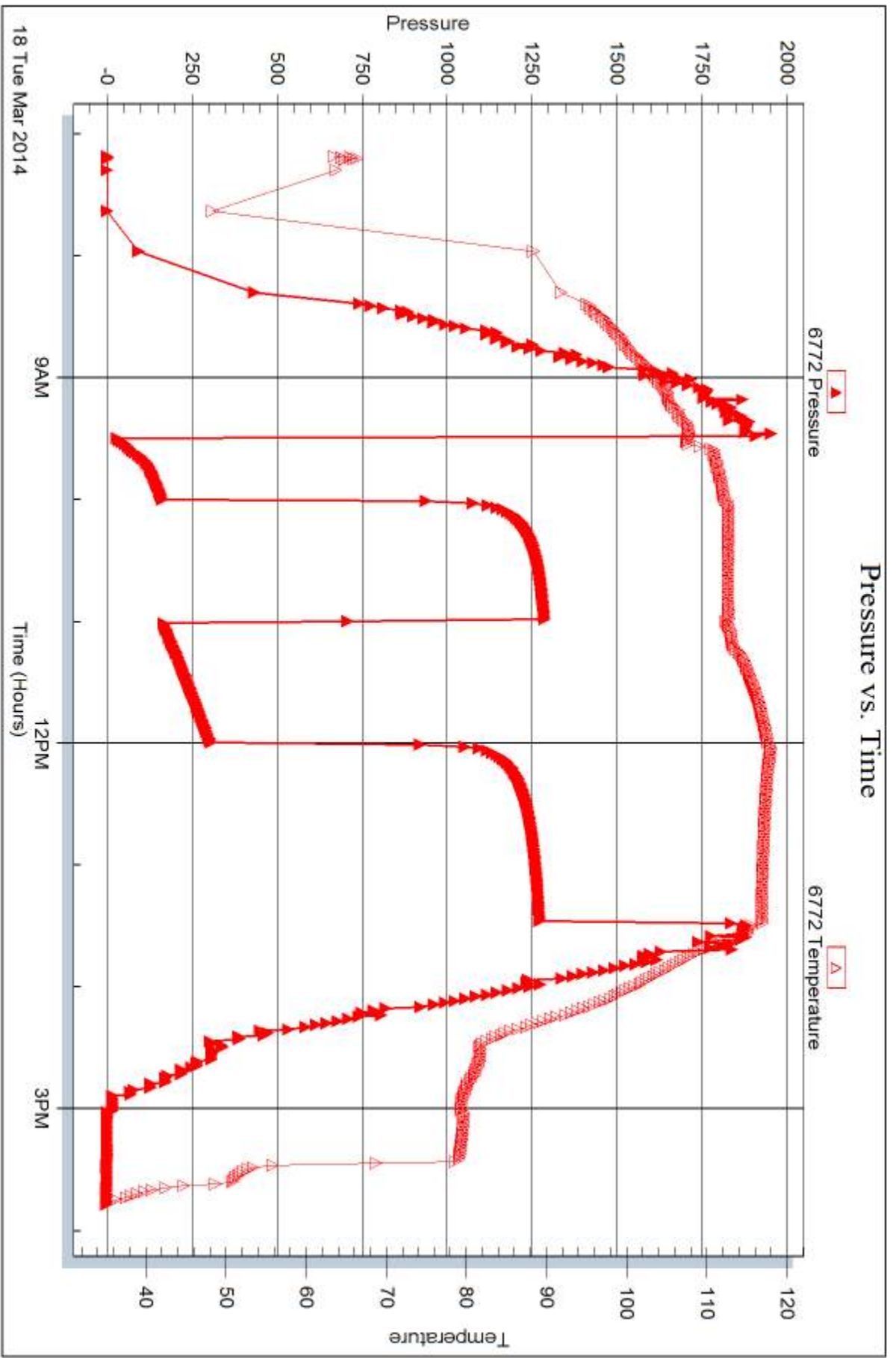


Serial #: 6772

Outside Murfin Drilling Co., Inc.

Solko Trust#1-25

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56367

Printed: 2014.03.25 @ 09:58:30



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Robert Hendrix

Solko Trust #1-25

25-4s-31w Rawlins,KS

Start Date: 2014.03.19 @ 03:20:00

End Date: 2014.03.19 @ 09:51:00

Job Ticket #: 56368 DST #: 2

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

Printed: 2014.03.25 @ 09:58:02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56368

DST#: 2

ATTN: Robert Hendrix

Test Start: 2014.03.19 @ 03:20:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:14:00

Time Test Ended: 09:51:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: 3971.00 ft (KB) To 4001.00 ft (KB) (TVD)

Reference Elevations: 2873.00 ft (KB)

Total Depth: 4001.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press@RunDepth: 32.88 psig @ 3972.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.19

End Date:

2014.03.19

Last Calib.:

2014.03.19

Start Time: 03:20:05

End Time:

09:50:59

Time On Btm:

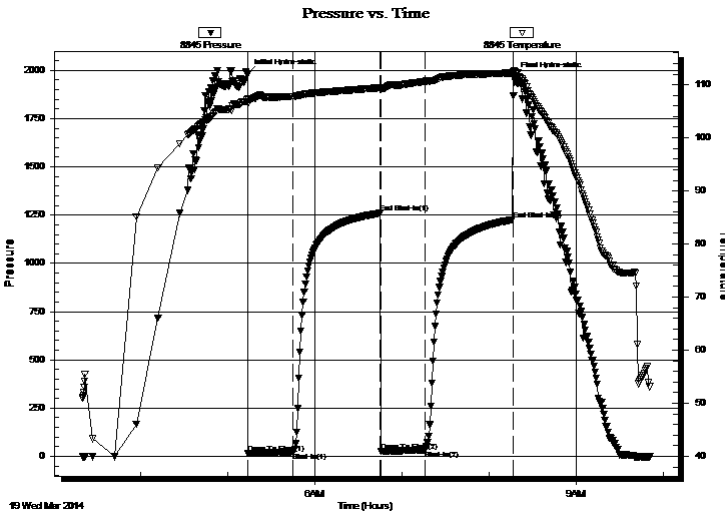
2014.03.19 @ 05:13:45

Time Off Btm:

2014.03.19 @ 08:17:15

TEST COMMENT: IF: 1" Blow.
IS: NO Return.
FF: No Blow.
FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1981.47	107.26	Initial Hydro-static
1	14.57	106.52	Open To Flow (1)
32	23.27	107.80	Shut-In(1)
92	1259.78	109.42	End Shut-In(1)
92	25.48	109.07	Open To Flow (2)
122	32.88	110.63	Shut-In(2)
183	1226.54	112.21	End Shut-In(2)
184	1969.70	112.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m (Oil Spots)	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56368 **DST#: 2**

ATTN: Robert Hendrix

Test Start: 2014.03.19 @ 03:20:00

GENERAL INFORMATION:

Formation: **LKC " E- F "**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 05:14:00

Tester: Samuel Esparza

Time Test Ended: 09:51:00

Unit No: 71

Interval: 3971.00 ft (KB) To 4001.00 ft (KB) (TVD)

Reference Elevations: 2873.00 ft (KB)

Total Depth: 4001.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 3972.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.19

End Date:

2014.03.19

Last Calib.: 2014.03.19

Start Time: 03:20:05

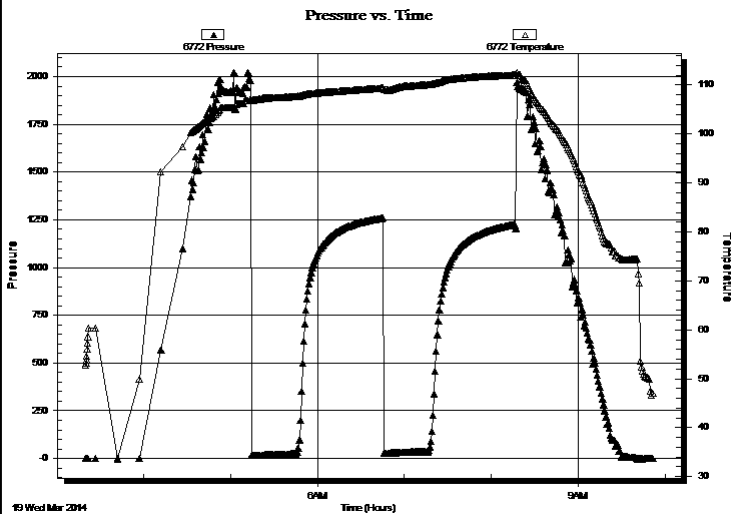
End Time:

09:51:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1" Blow .
IS: NO Return.
FF: No Blow .
FS: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m (Oil Spots)	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56368

DST#: 2

ATTN: Robert Hendrix

Test Start: 2014.03.19 @ 03:20:00

Tool Information

Drill Pipe:	Length: 3751.00 ft	Diameter: 3.80 inches	Volume: 52.62 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: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 53.64 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	3971.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3944.00	
Shut In Tool	5.00			3949.00	
Hydraulic tool	5.00			3954.00	
Jars	5.00			3959.00	
Safety Joint	3.00			3962.00	
Packer	5.00			3967.00	28.00 Bottom Of Top Packer
Packer	4.00			3971.00	
Stubb	1.00			3972.00	
Recorder	0.00	6772	Outside	3972.00	
Recorder	0.00	8845	Outside	3972.00	
Perforations	24.00			3996.00	
Bullnose	5.00			4001.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56368

DST#: 2

ATTN: Robert Hendrix

Test Start: 2014.03.19 @ 03:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	Mud 100m (Oil Spots)	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

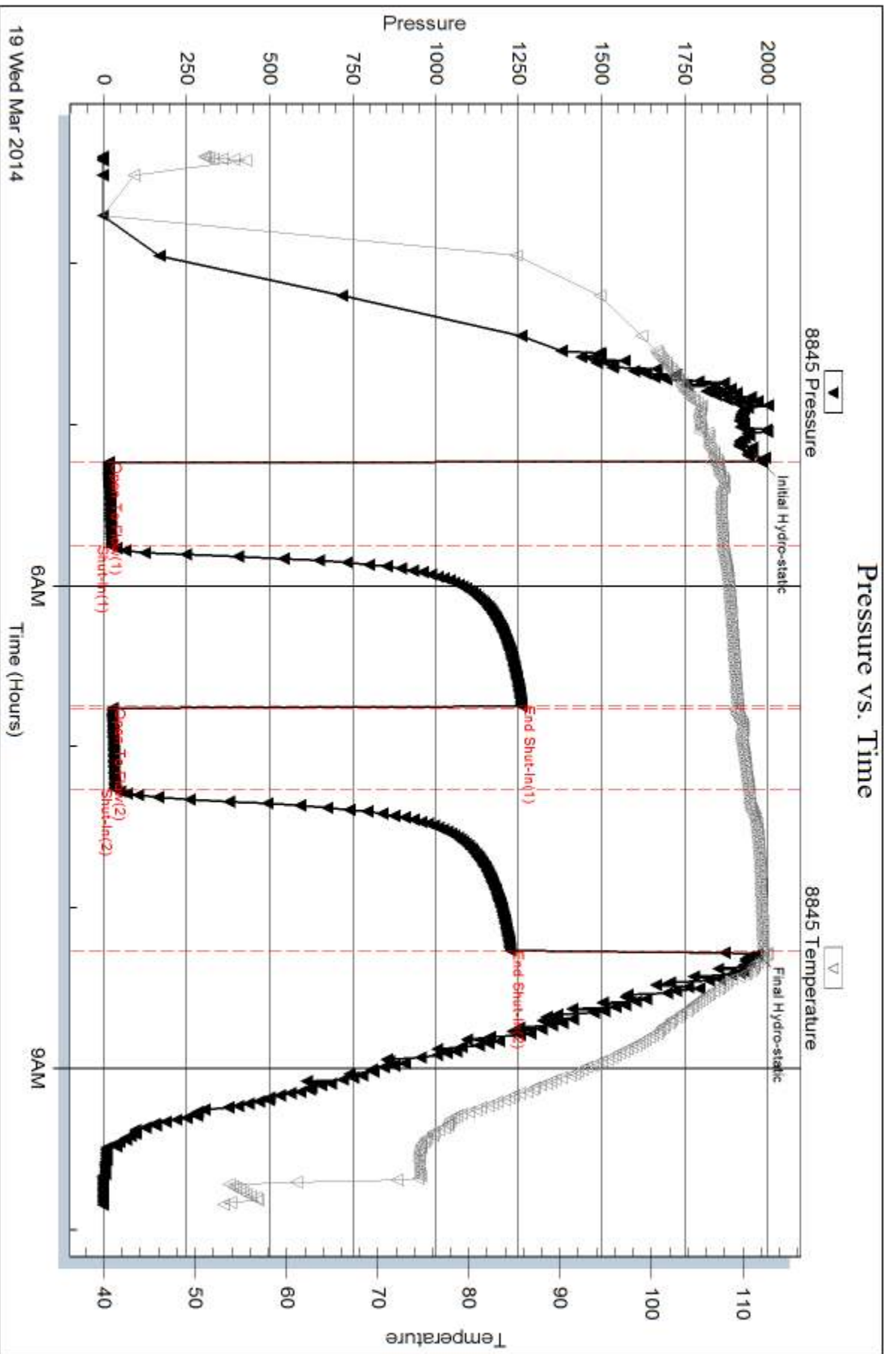
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

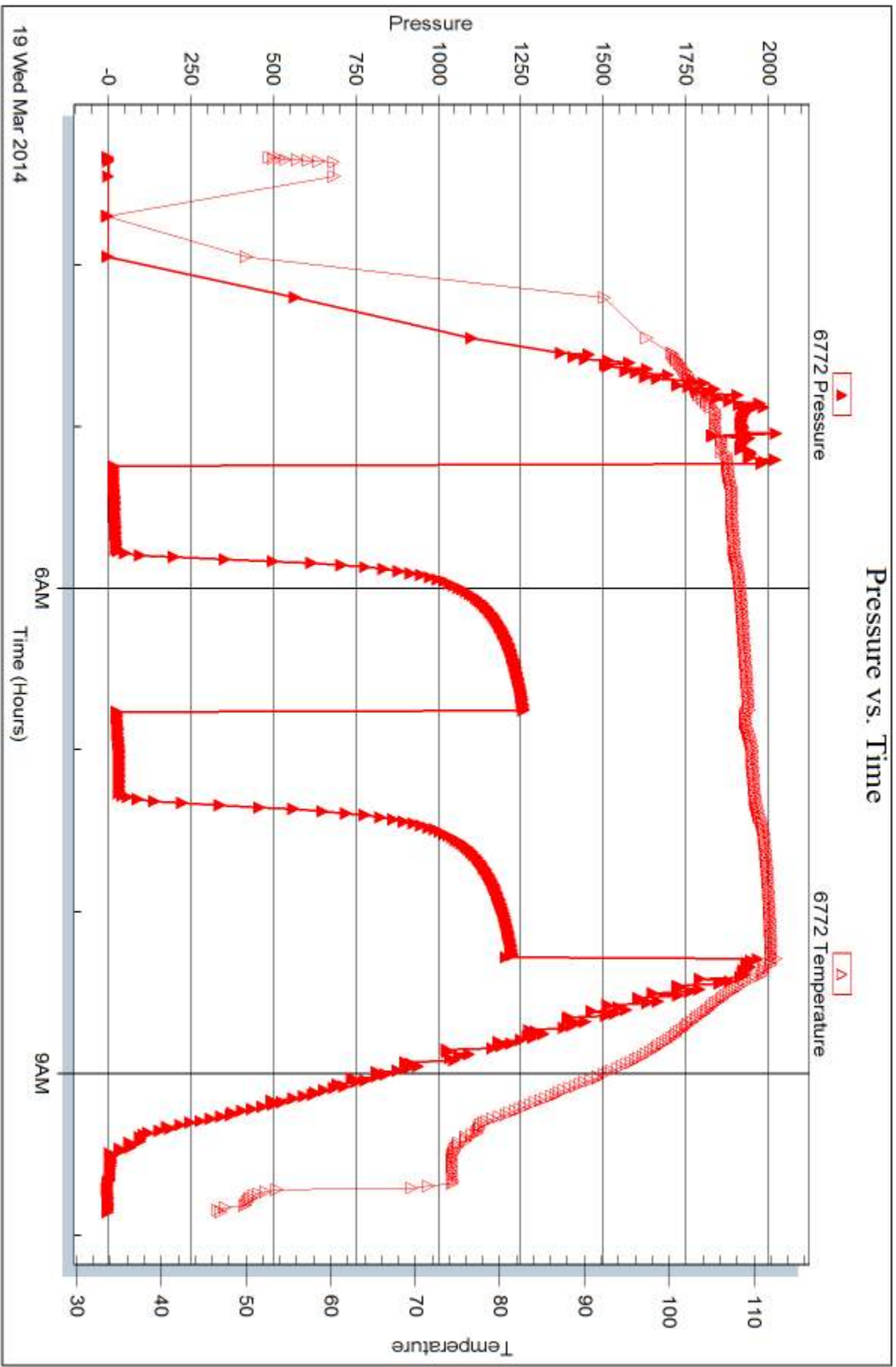


Serial #: 6772

Outside Murfin Drilling Co., Inc.

Solko Trust#1-25

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56368

Printed: 2014.03.25 @ 09:58:05



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc.**

250 N Water STE 300
Wichita, KS 67202

ATTN: Robert Hendrix

Solko Trust #1-25

25-4s-31w Rawlins,KS

Start Date: 2014.03.20 @ 02:36:00

End Date: 2014.03.20 @ 10:38:00

Job Ticket #: 56369 DST #: 3

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

Printed: 2014.03.25 @ 09:57:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56369

DST#: 3

ATTN: Robert Hendrix

Test Start: 2014.03.20 @ 02:36:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:25:30

Time Test Ended: 10:38:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: 4014.00 ft (KB) To 4114.00 ft (KB) (TVD)

Reference Elevations: 2873.00 ft (KB)

Total Depth: 4114.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845

Inside

Press@RunDepth: 190.35 psig @ 4015.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.20

End Date:

2014.03.20

Last Calib.:

2014.03.20

Start Time: 02:36:05

End Time:

10:37:59

Time On Btm:

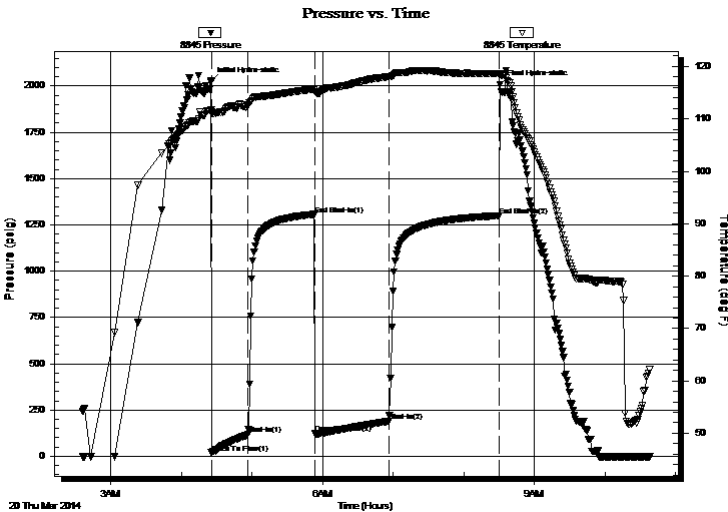
2014.03.20 @ 04:25:15

Time Off Btm:

2014.03.20 @ 08:30:45

TEST COMMENT: IF: BOB @ 26 min.
IS: No Return.
FF: BOB @ 29 min.
FS: 3/4" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.57	111.81	Initial Hydro-static
1	18.83	110.95	Open To Flow (1)
32	118.66	112.59	Shut-In(1)
88	1306.97	115.68	End Shut-In(1)
89	122.87	115.16	Open To Flow (2)
152	190.35	118.04	Shut-In(2)
245	1299.79	118.63	End Shut-In(2)
246	2007.88	118.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	OMCW 10o 20m 70w	1.62
165.00	OCM 20o 80m	2.31
30.00	Oil 100o	0.42

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

25-4s-31w Rawlins, KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56369

DST#: 3

ATTN: Robert Hendrix

Test Start: 2014.03.20 @ 02:36:00

GENERAL INFORMATION:

Formation: **LKC " H - K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:25:30

Time Test Ended: 10:38:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Samuel Esparza

Unit No: 71

Interval: 4014.00 ft (KB) To 4114.00 ft (KB) (TVD)

Reference Elevations: 2873.00 ft (KB)

Total Depth: 4114.00 ft (KB) (TVD)

2862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6772 Outside

Press@RunDepth: psig @ 4015.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.20

End Date: 2014.03.20

Last Calib.: 2014.03.20

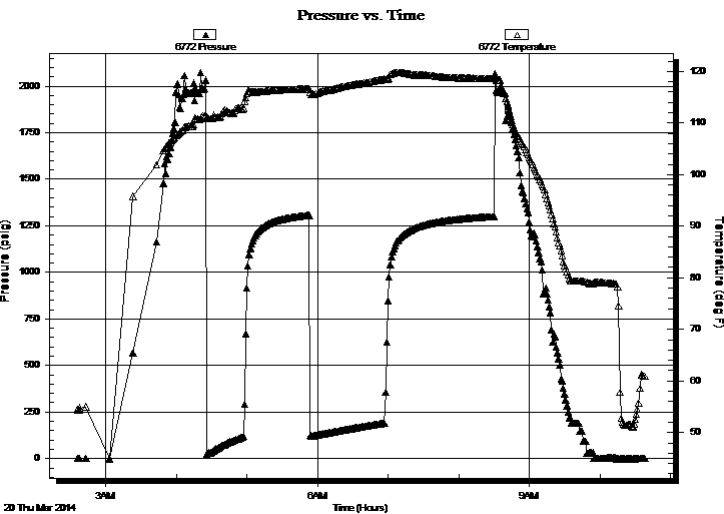
Start Time: 02:36:05

End Time: 10:38:14

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 26 min.
IS: No Return.
FF: BOB @ 29 min.
FS: 3/4" Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	OMCW 10o 20m 70w	1.62
165.00	OCM 20o 80m	2.31
30.00	Oil 100o	0.42

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56369

DST#: 3

ATTN: Robert Hendrix

Test Start: 2014.03.20 @ 02:36:00

Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 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: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 54.46 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4014.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	100.00 ft				
Tool Length:	128.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3987.00	
Shut In Tool	5.00			3992.00	
Hydraulic tool	5.00			3997.00	
Jars	5.00			4002.00	
Safety Joint	3.00			4005.00	
Packer	5.00			4010.00	28.00 Bottom Of Top Packer
Packer	4.00			4014.00	
Stubb	1.00			4015.00	
Recorder	0.00	6772	Outside	4015.00	
Recorder	0.00	8845	Inside	4015.00	
Perforations	29.00			4044.00	
Change Over Sub	1.00			4045.00	
Drill Pipe	63.00			4108.00	
Change Over Sub	1.00			4109.00	
Bullnose	5.00			4114.00	100.00 Bottom Packers & Anchor

Total Tool Length: 128.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

25-4s-31w Rawlins,KS

250 N Water STE 300
Wichita, KS 67202

Solko Trust #1-25

Job Ticket: 56369

DST#: 3

ATTN: Robert Hendrix

Test Start: 2014.03.20 @ 02:36:00

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:

46000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	OMCW 10o 20m 70w	1.621
165.00	OCM 20o 80m	2.315
30.00	Oil 100o	0.421

Total Length: 445.00 ft Total Volume: 4.357 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

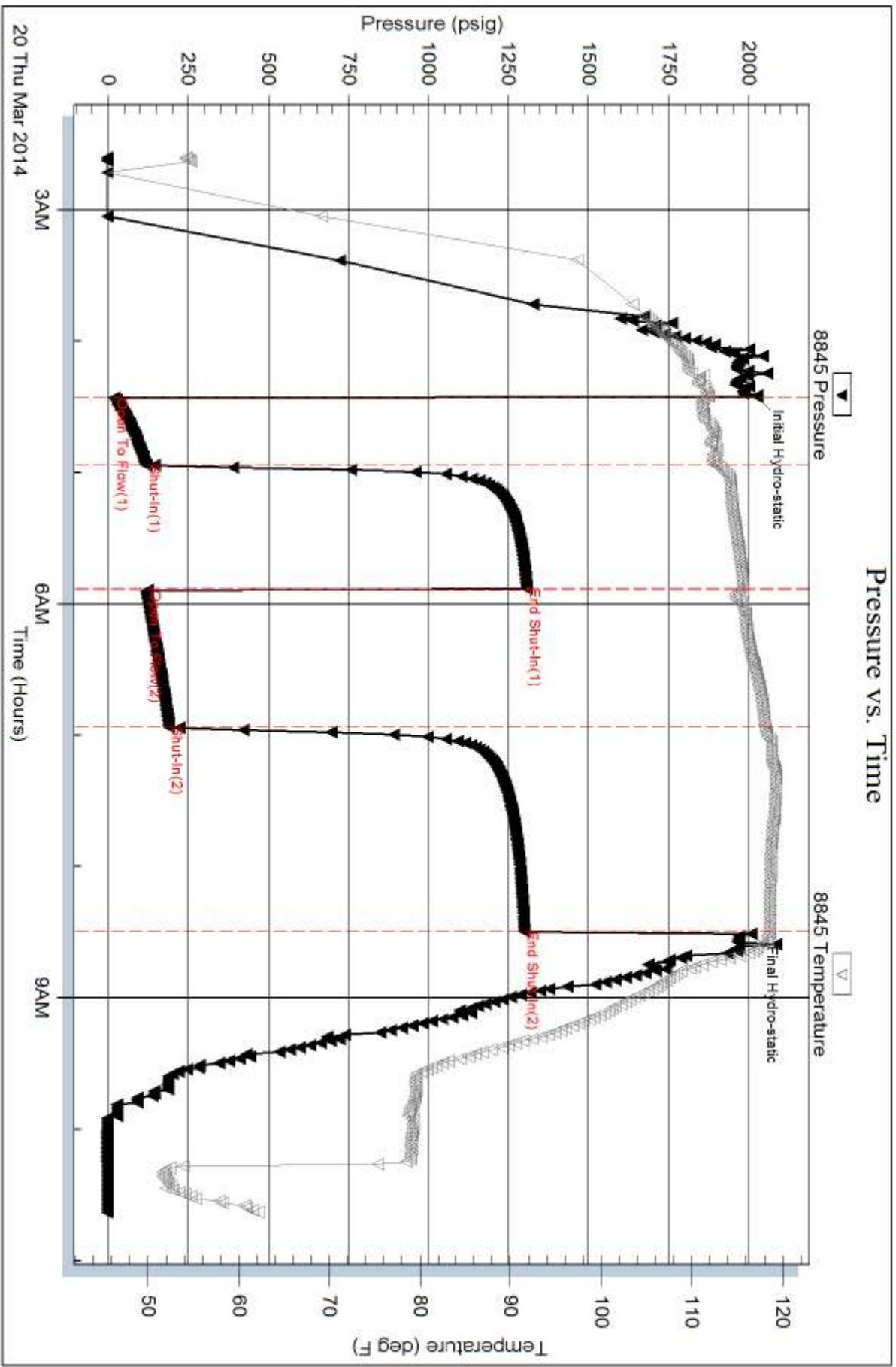
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API: 26 @ 50 degrees= 27 deg API

Water Salinity: .202 @ 49 degrees= 46,000 ppm

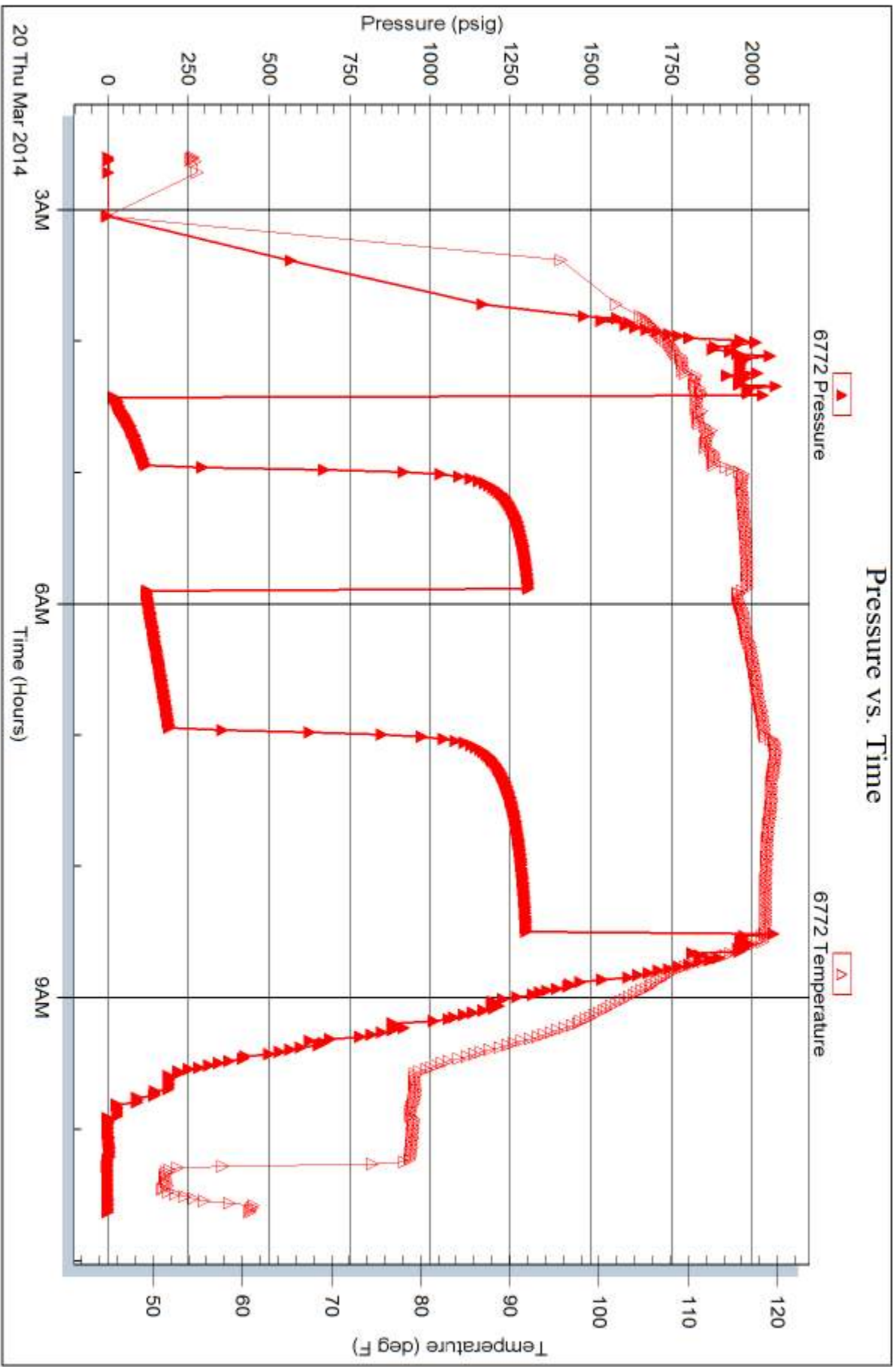


Serial #: 6772

Outside Murfin Drilling Co., Inc.

Solko Trust#1-25

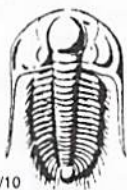
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 56369

Printed: 2014.03.25 @ 09:57:29



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56367

Well Name & No. Solko Trust #1-25 Test No. 1 Date 3/18/14
 Company Murfin Drilling Co., Inc. Elevation 2873 KB 2862 GL
 Address 250 N Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #2
 Location: Sec. 25 Twp. 4S Rge. 31W Co. Rawlins State KS

Interval Tested 3870-3955 Zone Tested Toronto - Lansing "B"
 Anchor Length 85' Drill Pipe Run 3650 Mud Wt. 9.1
 Top Packer Depth 3866 Drill Collars Run 207 Vis 51
 Bottom Packer Depth 3870 Wt. Pipe Run Ø WL 5.2
 Total Depth 3955 Chlorides 800 ppm System LCM 4

Blow Description IF: BOB Blow @ 20 min.
ISI: NO Return.
FF: BOB Blow @ 22 min.
ISI NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>oil</u>		<u>100</u>		
<u>315</u>	<u>WOCM</u>	<u>30</u>	<u>20</u>	<u>50</u>	
<u>510</u>	<u>OMCW</u>	<u>5</u>	<u>90</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

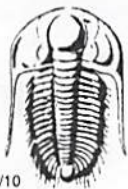
Rec Total 870 BHT 117 Gravity 28 API RW .522 @ 36 °F Chlorides 25,000 ppm

(A) Initial Hydrostatic	<u>1906</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>6:15</u>
(B) First Initial Flow	<u>21</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>7:11</u>
(C) First Final Flow	<u>163</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>9:29</u>
(D) Initial Shut-In	<u>1287</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>12:50 13:32</u>
(E) Second Initial Flow	<u>163</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>15:47</u>
(F) Second Final Flow	<u>304</u>	<input checked="" type="checkbox"/> Mileage	<u>192 R/T 42rt 65.10</u>	Comments	<u>Gravity: 26 @ 40 = 28</u>
(G) Final Shut-In	<u>1273</u>	<input type="checkbox"/> Sampler			<u>Stayed in Hotel in Oberlin</u>
(H) Final Hydrostatic	<u>1887</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>60</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Day Standby		Total	<u>1540.10</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1540.10</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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56368**

Well Name & No. Solko Trust #1-25 Test No. 2 Date 3/19/14
 Company Murfin Drilling Co., Inc. Elevation 2873 KB 2862 GL
 Address 250 N Water St E 300 Wichita, KS 67202
 Co. Rep / Geo. ~~Robert Hendrix~~ Robert Hendrix Rig Murfin #2
 Location: Sec. 25 Twp. 4S Rge. 31W Co. Rawlins State KS

Interval Tested 3971-4001 Zone Tested Lansing "E-F"
 Anchor Length 30 Drill Pipe Run 3751 Mud Wt. 9.2
 Top Packer Depth 3967 Drill Collars Run 207 Vis 60
 Bottom Packer Depth 3971 Wt. Pipe Run Ø WL 5.6
 Total Depth 4001 Chlorides 800 ppm System LCM 4

Blow Description IF: 1" Blow.
IST: NO Return.
FF: NO Blow
EST: NO Return.

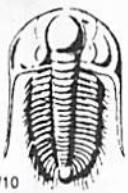
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud (oil spots)</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1981</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>300</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>320</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>514</u>
(D) Initial Shut-In <u>1260</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>8:16</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:51</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>192 RTT</u> <u>65.10</u>	Comments <u>Stayed in metal in Oberlin</u>
(G) Final Shut-In <u>1227</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1970</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1640.10</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1640.10</u>	

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56369**

Well Name & No. S&K0 Trust #1-25 Test No. 3 Date 3/20/14
 Company Murphy Drilling Co., Inc. Elevation 2873 KB 2862 GL
 Address 250 N Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Robert Hedrick Rig Murphy #2
 Location: Sec. 25 Twp. 4S Rge. 31W Co. Rawlins State KS

Interval Tested 4014-4114 Zone Tested Logging "H-J-K"
 Anchor Length 100 Drill Pipe Run 3810 Mud Wt. 9.2
 Top Packer Depth 4010 Drill Collars Run 207 Vis 64
 Bottom Packer Depth 4014 Wt. Pipe Run Ø WL 5.6
 Total Depth 4114 Chlorides 1200 ppm System LCM 5
 Blow Description IF: BOB 26 min.
ISF: No Return.
FF: BOB 29 min
FSD: 3/4" Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Oil</u>	<u>100</u>			
<u>165</u>	<u>OCM</u>	<u>20</u>		<u>80</u>	
<u>250</u>	<u>OMCW</u>	<u>10</u>		<u>70</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 445 BHT 119 Gravity 27 API RW 202 @ 49 °F Chlorides 46,000 ppm
 (A) Initial Hydrostatic 2026 Test 1250 T-On Location 215
 (B) First Initial Flow 19 Jars 250 T-Started 236
 (C) First Final Flow 119 Safety Joint 75 T-Open 426
 (D) Initial Shut-In 1307 Circ Sub N/C T-Pulled 8:28
 (E) Second Initial Flow 123 Hourly Standby _____ T-Out 10:38
 (F) Second Final Flow 190 Mileage 192 RT 65.10 Comments Loaded tools
 (G) Final Shut-In 1300 Sampler _____
 (H) Final Hydrostatic 2008 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 60 Extra Packer _____
 Final Flow 60 Extra Recorder _____
 Final Shut-In 90 Day Standby _____
 Accessibility _____
 Sub Total 1640.10

Approved By RLD/Hij Our Representative [Signature]

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Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **Murkin Drilling Co. Inc.**

LEASE **Solko Trust #1-25**

FIELD **Widewater**

LOCATION **1400' Int & 1650' Int**

SEC **25** TWP **4S** RGE **31W**

COUNTY **Rawlins** STATE **Kansas**

CONTRACTOR **Murkin Drilling Co. Rig #2**

SPUD **3/14/2014** COMP **3/22/2014**

RTD **4/5/17** LTD **4/5/19**

MUD UP **3/4/07** TYPE MUD **chemical**

SAMPLES SAVED FROM **3630 TO 4517**

DRILLING TIME KEPT FROM **3628 TO 4517**

SAMPLES EXAMINED FROM **3630 TO 4517**

GEOLOGICAL SUPERVISION FROM **3628**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMATION TOPS

ANHYDRITE **2629 (+244)**

TOPEKA **3704 (-831)**

HEEBNER **3872 (-998)**

TORONTO **3922 (-1049)**

LANSING **4088 (-1213)**

BKC **4134 (-1257)**

PAWNEE **4247 (-1370)**

CHEROKEE SHALE **4332 (-1458)**

MISSISSIPPI **4449 (-1574)**

ELEVATIONS

KB **2873**

DF

GL **2862**

Measurements Are All From **Kelly Bushing**

CASING

CONDUCTOR

SURFACE **8.58" at 225'**

PRODUCTION **1.2" @ 4517'**

ELECTRICAL SURVEYS

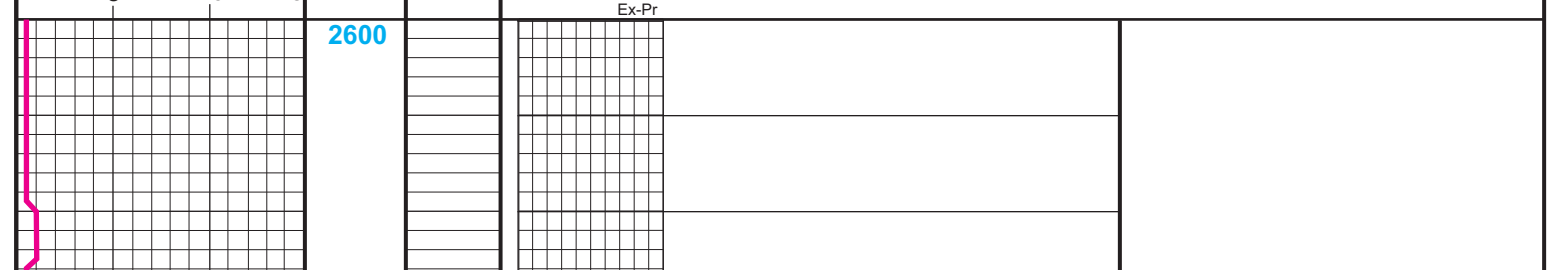
Newton Davis/Fieldnotes/Memo/Logbook

Phoenix Wireline Services



REMARKS:

LEGEND



DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
2600	Anhydrite		Anhydrite 2630 (+243)
2650	Anhydrite		Base Anhydrite 2660 (+213)
3700	Limestone	Limestone: gray to tan, f-mxn, sl chalky, v-fossiliferous, no vis por	Geologist on location at 6:00 am 3/17/2014 (8:00am)
3700	Limestone	Limestone: tan to gray, f-mxn, sl cherty, v-fossiliferous, no vis por	
3700	Shale	Shale: red, gray, black	
3700	Limestone	Limestone: tan, fxn, chalky, sl pyritic, sl granular, sl fossiliferous, no vis por	
3700	Shale	Shale: gray, red	
3700	Limestone	Limestone: gray to white, fxn, sl fossiliferous, no vis por	wt 8.9, vis. 59, lcm 4# Morgan Mud, Dave Lines
3700	Shale	Shale: gray, red, green, black	Topeka 3704 (-831)
3700	Limestone	Limestone: gray, fxn, sl chalky, dense, sl fossiliferous, no vis por	
3700	Limestone	Limestone: tan to gray, f-mxn, chalky, pr interxin por, ns	
3700	Shale	Shale: gray, green, red	
3700	Limestone	Limestone: tan, mxn, chalky, oolitic, sl fossiliferous, fr interxin por, ns	
3700	Sandstone	Sandstone: white, f-mgn, sub rmd, well sorted, calcareous, no vis por	
3700	Shale	Shale: red, gray, green	
3700	Limestone	Limestone: tan, f-mxn, oolitic in part, v-fossiliferous, no vis por	
3700	Shale	Shale: gray, green	
3700	Limestone	Limestone: gray to white, fxn, sl chalky, sl fossiliferous, no vis por	
3700	Limestone	Limestone: tan, fxn, fossiliferous, no vis por	
3700	Shale	Shale: gray, red, black	
3700	Limestone	Limestone: tan to white, f-mxn, sl chalky, fossiliferous, no vis por	
3700	Shale	Shale: red, gray, black	
3700	Limestone	Limestone: white to tan, f-mxn, chalky, sl granular, fossiliferous, no vis por	
3700	Shale	Shale: gray, green	
3700	Limestone	Limestone: tan, f-mxn, sl chalky, fossiliferous, no vis por, 2% sample black dead oil stain, nfo, no odor	
3700	Limestone	Limestone: tan, f-mxn, chalky, granular, fossiliferous, no vis por	
3700	Limestone	Limestone: tan, f-mxn, chalky, fossiliferous, fr vug por, ns	
3700	Shale	Shale: black carbonaceous	
3700	Limestone	Limestone: brown, fxn, dense, fossiliferous, no vis por	
3700	Shale	Shale: gray, black, red, silty, sandy	
3700	Shale	Shale: red, gray	
3900	Limestone	Limestone: tan, mxn, chalky, granular, oolitic in part, fossiliferous, 6 pieces sl vug por, lt to dark sl stain, slsfo, no odor	
3900	Shale	Shale: gray, green, red	Toronto 3907 (-1034)
3900	Limestone	Limestone: tan to white, fxn, chalky, fossiliferous, pr interxin por, ns	
3900	Sandstone	Sandstone: brown to tan, fn gm, rmd, mod sorted, calcareous, pr intragranular por, gd dark sat stain, frsfo, faint odor	
3900	Shale	Shale: gray, green, red	
3900	Limestone	Limestone: tan, m-ixn, fossiliferous, sl pyritic, gd vug por, gd dark sat stain, gdsfo, gd odor	8:00am, 3/18/2014 wt 9.2, vis. 62, lcm 5# Morgan Mud, Dave Lines Strap 0.25' long to board
3900	Shale	Shale: gray, green, red	
3900	Limestone	Limestone: tan to white, fxn, chalky, cherty, sl fossiliferous, 8 pieces fr vug por, lt to dark sat stain, prsfo (black, heavy), fr odor	
3900	Shale	Shale: gray, green, red	
3900	Limestone	Limestone: tan, mxn, chalky, granular, fossiliferous, pr pp to sl vug por, gd dark sat stain, slsfo, faint odor	
3900	Shale	Shale: red, gray, green	
3900	Limestone	Limestone: tan to lt gray, fxn, oolitic in part, fossiliferous, 1% sample, pr interxin por, gd dark spottily to sat stain, slsfo, faint odor	
3900	Shale	Shale: red, gray, black	
3900	Limestone	Limestone: white to tan to lt gray, fxn, v-chalky, granular, fossiliferous, gd interxin por, no odor	
3900	Limestone	Limestone: tan to lt gray, mxn, v-chalky, granular, fossiliferous, no vis por, ns	
3900	Shale	Shale: red, gray, black	
3900	Limestone	Limestone: brown, fxn, sl chalky, dense, fossiliferous, no vis por	
3900	Shale	Shale: red, gray, green	
3900	Limestone	Limestone: tan to white, fxn, chalky, sl cherty, oolitic in part, fossiliferous, no vis por	
3900	Shale	Shale: red, black, gray, green	
3900	Limestone	Limestone: tan to white, fxn, chalky, pyritic, fossiliferous, pr pp por, fr dark sat stain, slsfo, no odor	
3900	Shale	Shale: red, gray, green	
3900	Limestone	Limestone: white, fxn, sl chalky, sl cherty, fossiliferous, fr pp por, 5% sample dark sat stain, slsfo, faint odor	
3900	Shale	Shale: red, gray, dark gray	
3900	Limestone	Limestone: tan to white, f-mxn, chalky, oolitic, sl fossiliferous, no vis por, no odor	
3900	Limestone	Limestone: tan to white, fxn, chalky, dense, no vis por	
3900	Shale	Shale: red, black, gray	8:00am, 3/20/2014 wt 9.3, vis. 56, lcm 4# Morgan Mud, Dave Lines
3900	Limestone	Limestone: tan, fxn, fossiliferous, no vis por	
3900	Shale	Shale: gray, red, silty	
3900	Limestone	Limestone: white to tan, f-mxn, sl cherty, oolitic, fossiliferous, no vis por	
3900	Shale	Shale: gray, black, red	
3900	Shale	Shale: red, gray, green	
3900	Limestone	Limestone: tan to brown, fxn, sl chalky, sl fossiliferous, no vis por	
3900	Shale	Shale: red, gray, sandy	
3900	Shale	Shale: gray, red, waxy	
3900	Limestone	Limestone: tan to white, fxn, chalky, fossiliferous, no vis por	
3900	Shale	Shale: red, gray, waxy	
3900	Shale	Shale: red, sandy	
3900	Limestone	Limestone: tan, fxn, dense, fossiliferous, no vis por	
3900	Shale	Shale: red, gray, sandy	
3900	Shale	Shale: dark red, brown, gray	
3900	Sandstone	Sandstone: white, lt, md gr, mod sorted, rmd, sl calcareous, no vis por	
3900	Shale	Shale: gray, brown, red, silty	
3900	Limestone	Limestone: tan to white, fxn, chalky, micro-oolitic in part, mostly dense, no vis por	
3900	Shale	Shale: gray, brown, silty	
3900	Shale	Shale: black, carbonaceous	
3900	Shale	Shale: gray, black	
3900	Limestone	Limestone: brown to tan, f-mxn, sl chalky, fossiliferous, no vis por	
3900	Limestone	Limestone: brown to gray, fxn, dense,, sl fossiliferous, no vis por	
3900	Shale	Shale: gray, brown	
3900	Shale	Shale: black, carbonaceous	
3900	Limestone	Limestone: tan, fxn, dense, oolitic, fossiliferous, no vis por	
3900	Limestone	Limestone: tan to white, fxn, sl chalky, dense, sl oolitic, sl fossiliferous, no vis por	
3900	Shale	Shale: gray/green, black	
3900	Limestone	Limestone: brown to tan, fxn, dense, fossiliferous, no vis por	
3900	Shale	Shale: gray, black, brown	
3900	Limestone	Limestone: tan to white, fxn, sl chalky, v-fossiliferous, no vis por	
3900	Limestone	Limestone: tan to white, fxn, dense, sl fossiliferous, no vis por	8:00am, 3/21/2014
3900	Shale	Shale: gray, brown, silty	
3900	Limestone	Limestone: tan to white, fxn, sl chalky, sl fossiliferous, no vis por	
3900	Shale	Shale: gray, brown, black, silty	
3900	Sandstone	Sandstone: white, lt, fr-md gr, mod sorted, sub ang, calcareous, hard no vis por	
3900	Shale	Shale: gray, brown, black, silty	
3900	Sandstone	Sandstone: white, micaceous, lt, fr-lg gr, poorly sorted, sub ang, calcareous, no vis por	
3900	Shale	Shale: red, gray, silty	
3900	Shale	Shale: gray, red, black, yellow,	
3900	Limestone	Limestone: tan, fxn, sl chalky, dense, sl fossiliferous, no vis por	
3900	Shale	Shale: gray, red, black, yellow, sandy, limy, calcareous	
3900	Sandstone	Sandstone: white, lt, fr-md gr, mod sorted, sub ang, calcareous, hard no vis por	
3900	Shale	Shale: red, gray/green, yellow, sandy, cherty	
3900	Chert	Chert: gray, opaque, weathered, no vis por	
3900	Chert	Chert: white to yellow, mostly opaque, 70% weathered, 30% fresh, no vis por	
3900	Chert	Chert: white to yellow to orange, lt, 40% weathered, 60% fresh, no vis por	
3900	Limestone	Limestone: tan, fxn, cherty, dense, no vis por	
3900	Chert	Chert: lt yellow/brown, lt, fresh, no vis por	
3900	Dolomite	Dolomite: tan to white, fxn, sl chalky, cherty, fr interxin por	
4500	RTD		RTD 4517 (-1644) Geologist off location at 3:30am, 3/22/2014