KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1122337

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5145
Name: Dreiling Oil Inc
Address 1: 1008 CODY AVE
Address 2: PO BOX 550
City: HAYS State: KS Zip: 67601 + 2431
Contact Person: Terry W. Piesker
Phone: (785) 625-8327
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Roger Fisher
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

01/14/2013	01/19/2013	01/19/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-141-20457-00-00
Spot Description:
NW - SW - NE - NW Sec. 1 Twp. 9 S. R. 12 [ ] East [x] West
830 Feet from [x] North / [ ] South Line of Section
1430 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW
County: Osborne
Lease Name: Thompson Trust Well #: 2-1
Field Name:
Producing Formation: L-KC
Elevation: Ground: 1867 Kelly Bushing: 1875
Total Depth: 3330 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 219 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 11000 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated

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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 04/08/2013

Side Two

1122337

Operator Name: Dreiling Oil Inc Lease Name: Thompson Trust Well #: 2-1

Sec. 1 Twp. 9 S. R. 12 ☐ East ☑ West County: Osborne

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Dual Induction
Neutron/Density
Micro

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	964	+911
Topeka	2786	-905
Heebner	3012	-1137
Toronto	3034	-1159
Lansing-Kansas City	3067	-1192

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	220	Common	160	3%CC- 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ALLIED OIL & GAS SERVICES, LLC 056092

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell, Ks

DATE 1-19-13	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE Thompson	WELL # 2-1		LOCATION Lucas, Ks			COUNTY Osborne	STATE KS
OLD OR NEW (Circle one)			45N, 50... 4W 15 W... into				

CONTRACTOR W W Drilling #12
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D.
CASING SIZE DEPTH 990
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER

CEMENT
AMOUNT ORDERED 205 sk 60/40
4% gel 1/4# Flo Seal

		@	
COMMON	123 sk	@ 17.90	$2201.70
POZMIX	82 sk	@ 9.35	$766.70
GEL	7 sk	@ 23.40	$163.80
CHLORIDE		@	
ASC		@	
HANDLING	210 ft/3	@ 2.48	$545.60
MILEAGE	505.45 t/m	2.60	$1,314.17

TOTAL $5,140.47

EQUIPMENT

PUMP TRUCK # 409 CEMENTER Tony P.
HELPER Kevin R.
BULK TRUCK # 378 DRIVER Nathan D.
BULK TRUCK # DRIVER

REMARKS:
P1 - 25sk @ 990' = 3.73 bbl slurry
Dis. 1.35 bbl/mud
P2 - 100sk @ 760' = 15.95 bbl slurry
Dis - 4.?? bbl H2O
P3 - 40sk @ 270' = 6.38 bbl slurry
Dis - 1.23 bbl H2O
P4 - 10sk @ 40' = 1.59 bbl slurry
wooden plug @ 40' - cmt to Surface
P5 - 30sk = 4.78 bbl slurry = RATHOLE
Thanks

SERVICE

		@	
DEPTH OF JOB	990'		
PUMP TRUCK CHARGE			$2,600.47
EXTRA FOOTAGE		@	
MILEAGE	Heavy 55miles	@ 7.70	$423.50
MANIFOLD	Light 55miles	@ 4.40	$242

TOTAL $3,265.97

CHARGE TO: Drilling Oil Co.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
1X wooden Plug	@ —	$107.64

TOTAL $107.64

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.

SALES TAX (If Any)
TOTAL CHARGES $8,514.08
DISCOUNT $2,979.95 IF PAID IN 30 DAYS

PRINTED NAME [signature]
SIGNATURE [signature]

ALLIED OIL & GAS SERVICES, LLC 056856

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell KS

DATE 1-15-13	SEC. 1	TWP. 9	RANGE 12	CALLED OUT	ON LOCATION	JOB START 2:00AM	JOB FINISH 2:30AM
LEASE Thompson Trust	WELL# 2-1		LOCATION Lucas KS 4½N ½E 11N			COUNTY Osborne	STATE KS
OLD OR (NEW) (Circle one)			4W ½N Winto				

1.8
2.01

CONTRACTOR WW 12
TYPE OF JOB surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ 23# DEPTH 220.25
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 15'
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 13 bbl

OWNER

CEMENT
AMOUNT ORDERED 160 com 3% cc 2%gel

EQUIPMENT

Glenn G 1
PUMP TRUCK CEMENTER Robert V 1
417 HELPER Woody O V
BULK TRUCK
378 DRIVER Kiko Mascorro TWS
BULK TRUCK
DRIVER

COMMON	160	@ 17.90	2864.00
POZMIX		@	
GEL	3	@ 23.40	70.20
CHLORIDE	5	@ 64.00	320.00
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	172.09 ft³	@ 2.48	426.79
MILEAGE	432.85 t/m	2.60	1125.41
		TOTAL	4806.40

REMARKS:

ran 5 jts of 8⅝ 23# csg recieve circulation mix 160 sk com 3% cc 2% gel displace 13 bbl of water shut in

cement did circulate to surface

SERVICE

DEPTH OF JOB	220		
PUMP TRUCK CHARGE	1512.25		
EXTRA FOOTAGE		@	
MILEAGE	55 HVMT	@ 7.70	423.50
MANIFOLD		@	
	55 I VM I	@ 4.40	242.00
		@	
		TOTAL	2177.75

CHARGE TO: Drilling Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

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.

SALES TAX (If Any) 253.82
TOTAL CHARGES 6984.15
DISCOUNT 1815.88 IF PAID IN 30 DAYS
BS 1-16

PRINTED NAME Andrew Pfannenstiel

SIGNATURE

Net @ 5168.27

LITHOLOGY STRIP LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	Thompson Trust #2-1		
Location:	NW-SW-NE-NW/4 Section 1 T9S-R12W		
License Number:	API: 15-141-20457-00-00	Region:	Osborne Co, KS
Spud Date:	Jan 14, 2013	Drilling Completed:	Jan 20, 2013
Surface Coordinates:	830' FNL & 1430' FWL Section 1 T9S-R12W		
Bottom Hole Coordinates:			
Ground Elevation (ft):	1867'	K.B. Elevation (ft):	1875'
Logged Interval (ft):	NTD To: TD	Total Depth (ft):	3330'
Formation:			
Type of Drilling Fluid:	Chemical Displaced at 2500'		

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

OPERATOR
Company: Dreiling Oil Inc.
Address: 1008 Cody Ave.
P.O. Box 550
Hays, KS 67601

GEOLOGIST
Name: Roger L. Fisher
Company: Consulting Geologist
Address: 1928 N Garland
Wichita Kansas, 67203

COMMENTS
WW Drlg Rig #12
Surface Casing:220' of 8' 7/8"
Andy's Mud Co
OH Logs: Nabors Wireline; DILL, CDL/CNL

This well was plugged because the DST's showed the formations were too tight and they were also wet on the Log.

ROCK TYPES
Anhy, Bent, Brec, Cht, Clyst, Coal, Congl, Sdy dolo, Shy dolo, Dol, Gyp, Sdy lmst, Lmst, Mrlst, Salt, Shale, Sltst, Ss, Black sh, Gry sh, Shale, Shysltst, Sltysh

Curve Track 1	Depth	Lithology	Oil Show	Geological Descriptions	TG, C1-C5
ROP (min/ft), Gamma (API)					TG (units), C1 (units), C2 (units), C3 (units), C4 (units), C5 (units)

Ls gray foss fxln dense poor por sli mottled N.S.

Shale gray green

Ls white vfxln chalky some tan vfxln dense N.S.

Shale gray to dark gray green brown silty mica

Ls tan to very dark tan fxln dense sli foss N.S.

Shale gray green

Ls white fxln chalky

LS light to dark tan fxln dense N.S.

Ls light gray fxln subchalky to dense foss N.S.

Shale gray light green silty mica soft

Ls white light tan fxln sli foss subchalky sli cherty Scattered Fair int xln porosity mostly poor Light spotted stain few Sat Trace FO Oil Film No Odor

Ls gray fxln subchalky to dense poor por N.S.

Ls off white fxln sli foss mottled fossil fragments Poor por N.S.

Ls white vfxln chalky N.S.

Ls light tan fxln ool subchalky fair int ool prosity N.S.

Ls light gray vf-fxln foss sli mottled dense poor por N.S.

Ls light tan fxln foss fair int foss por sli cherty N.S.

Ls off white vfxln ool chalky mottled w/shale inclusions

Shale Black light to dark gray light green

Ls tan vfxln dense

Shale light to dark gray light green foss

Ls light tan fxln foss dense poor int foss por N.

Ls off white vfxln sli foss dense No Vis Por N.S.

Ls light gray white fxln foss chalky fair porosity N.S.

Ls light tan gray vfxln sli foss dense slighty cherty pyrite some Dark gray vfxln dense N.S.

Shale Black red light green

Ls white light gray fxln oolitic subchalky some mottled soft shaley N.S.

Ls light gray fxln foss Fair int foss por N.S.

Ls light gray fxln chalky fair int foss por N.S.

Ls dark tan fxln foss dense poor int foss por N.S.

Ls white light gray fxln oolitic chalky N.S.

Ls gray light tan fxln foss dense poor por pyrite N.S.

Ls gray fxln chalky mottled interbedded w/Shale red brown green black

Shale Black

Ls dark tan vfxln dense Sli foss sli cherty

Shale light green red brown gray

Ls white vfxln chalky to light gray fxln dense sli foss No vis por N.S.

Shale gray light to med green brown red

Ls white fxln foss cherty Poor pin point Por Sptd to Sat Stain SSGFO Few w/Gd SFO Fair Odor

Shale gray red green brown silty

Ls gray fxln dense to chalky foss N.S.

Ls light tan fxln cherty gray tan vitreous sli foss scattered fair int xln porosity some chalky light Sptd Stain few Sat SSFO Very Faint Odor minute pyrite

Ls white fxln oolmoldic porosity Sptd to Sat Stain SSFO Fair Odor Fair Bright Flor Milky White when cut

Ls light gray vfxln dense sli foss N.S.

Shale med to dark gray

Ls white to gray fxln chalky t dense chaert dark gray fresh sharp N.S.

Ls gray fxln subchalky to densed mealy Abundance of Shale light green to light gray dark gray red N.S.

Ls crm f-mxln ool fair int ool porosity subchalky to chalky N.S.

Ls light tan fxln oolmoldic porosity N.S.

Ls white light gray fxln oolitic chalky mealy shale inclusins sli cherty Interbedd w/Shale red gray green silty

Shale Black gray red light green

Ls light gray white f-mxln ool cherty fair int xln porosity N.S.

Ls light tan vf-fxln oolitic slightly vuggy subchalky some White vfxln chalky N.S.

Ls white vfxln chalky N.S.

Ls gray light tan vfxln sli foss dense No Vis Por N.S.

Ls white fxln oolitic scattered oolmoldic porosity chalky No Show

Ls Dark gray vfxln dense N.S.

Ls crm fxln ool some subchalky Fair int ool porosity N.S.

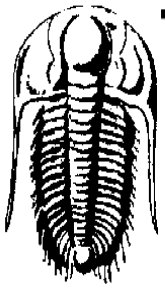
Ls light gray light tan vfxln sli foss dense N.S.

Anh	984	+911
B/Anh	996	+879
Stotler	2516	-641
Tar Sd	2546	-671
Tarkio	2572	-697
Howard	2742	-867
Topeka	2786	-905
Hb Sh	3012	-1137
Tor	3034	-1159
Lans	3067	-1192
B Zone	3096	-1221
C Zone	3116	-1241

DST #1
3044-3080
30-45-45-60
IFP 1/2"
FFP 1/4"
No BBack
Rec
7' Free Oil 36 Gravity
3' HOCM
50% Oil
50% Mud
ISIP 1000
FSIP 974
IFP 11-18
FFP 22-27

DST #2
3081-3110
30-45-45-60
IF Weak
FF Weak
No BBack
Rec. 8' Mud w/Oil Specks
IIP 1152-1143
IFP 10-19
FFP 21-30

DST #3
3118-3130
30-45-45-60
IFP weak
FFP weak
No BBack
Rec 3' mud w/ Oil Specks
1% Oil
99% Mud
SIP 340-161
IFP 10-13
FFP 13-13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Thompson Trust #2-1

1-9s-12w-Osborne,KS

Start Date: 2013.01.17 @ 18:24:33

End Date: 2013.01.18 @ 02:03:03

Job Ticket #: 51714 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.25 @ 09:49:59

DRILL STEM TEST REPORT

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51714 **DST#: 1**

Test Start: 2013.01.17 @ 18:24:33

GENERAL INFORMATION:

Formation: **LKC-"A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:04:33
Time Test Ended: 02:03:03

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 3044.00 ft (KB) To 3080.00 ft (KB) (TVD)
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

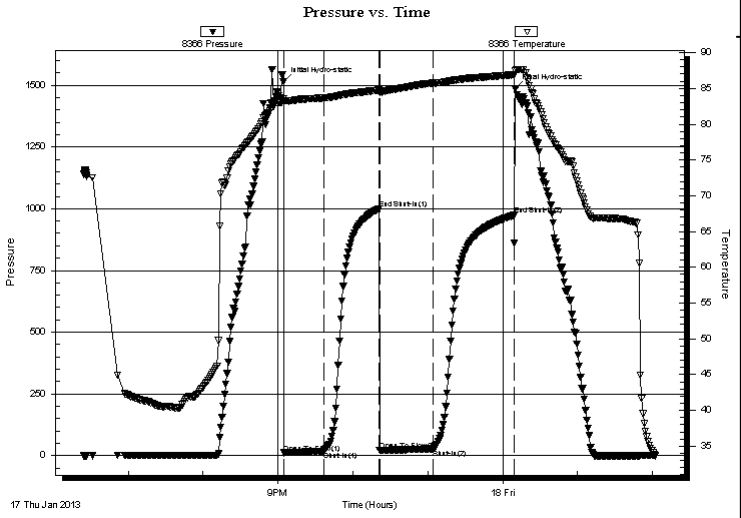
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 27.05 psig @ 3047.00 ft (KB)
Start Date: 2013.01.17 End Date: 2013.01.18
Start Time: 18:24:35 End Time: 02:03:03

Capacity: 8000.00 psig
Last Calib.: 2013.01.18
Time On Btm: 2013.01.17 @ 21:04:18
Time Off Btm: 2013.01.18 @ 00:10:03

TEST COMMENT: IFP-Weak Blow , Built to 1/2"
ISI-Dead
FFP-Weak Blow , Built to 1/4"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1514.20	83.55	Initial Hydro-static
1	11.00	83.10	Open To Flow (1)
33	17.68	83.67	Shut-In(1)
77	1000.42	84.76	End Shut-In(1)
77	22.13	84.46	Open To Flow (2)
120	27.05	85.72	Shut-In(2)
185	973.54	86.91	End Shut-In(2)
186	1486.01	87.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Free Oil	0.03
3.00	HOCM-50%O-50%M	0.01

Gas Rates

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

DRILL STEM TEST REPORT

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51714 **DST#: 1**

Test Start: 2013.01.17 @ 18:24:33

GENERAL INFORMATION:

Formation: **LKC-"A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:04:33
Time Test Ended: 02:03:03

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 3044.00 ft (KB) To 3080.00 ft (KB) (TVD)
Total Depth: 3080.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

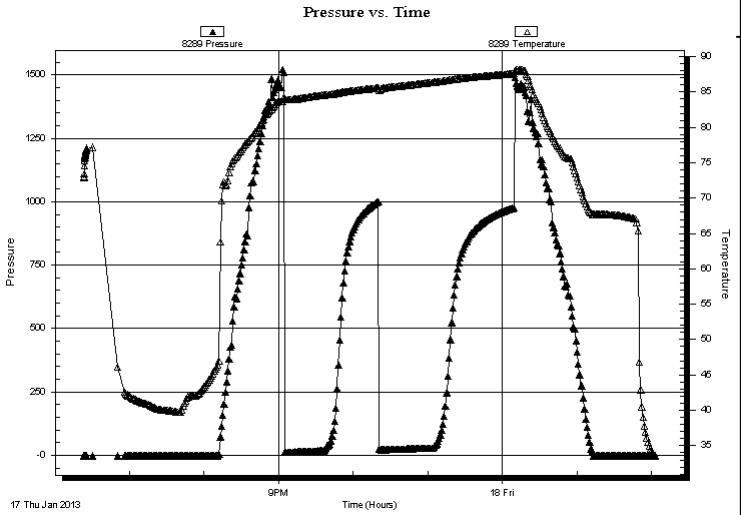
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3047.00 ft (KB)
Start Date: 2013.01.17 End Date: 2013.01.18
Start Time: 18:23:36 End Time: 02:03:19

Capacity: 8000.00 psig
Last Calib.: 2013.01.18
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Blow , Built to 1/2"
ISI-Dead
FFP-Weak Blow , Built to 1/4"
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Free Oil	0.03
3.00	HOCM-50%O-50%M	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51714 **DST#: 1**

Test Start: 2013.01.17 @ 18:24:33

Tool Information

Drill Pipe:	Length:	2911.00 ft	Diameter:	3.80	inches	Volume:	40.83	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	122.00 ft	Diameter:	2.25	inches	Volume:	0.60	bbl	
						Total Volume:	41.43	bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	3044.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	36.00 ft
Tool Length:	57.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		38000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	35000.00 lb
	Final	35000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3024.00		
Shut In Tool	5.00			3029.00		
Hydraulic tool	5.00			3034.00		
Packer	5.00			3039.00	21.00	Bottom Of Top Packer
Packer	5.00			3044.00		
Stubb	1.00			3045.00		
Perforations	2.00			3047.00		
Recorder	0.00	8366	Inside	3047.00		
Recorder	0.00	8289	Outside	3047.00		
Perforations	30.00			3077.00		
Bullnose	3.00			3080.00	36.00	Bottom Packers & Anchor
Total Tool Length:	**57.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51714 **DST#: 1**

Test Start: 2013.01.17 @ 18:24:33

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

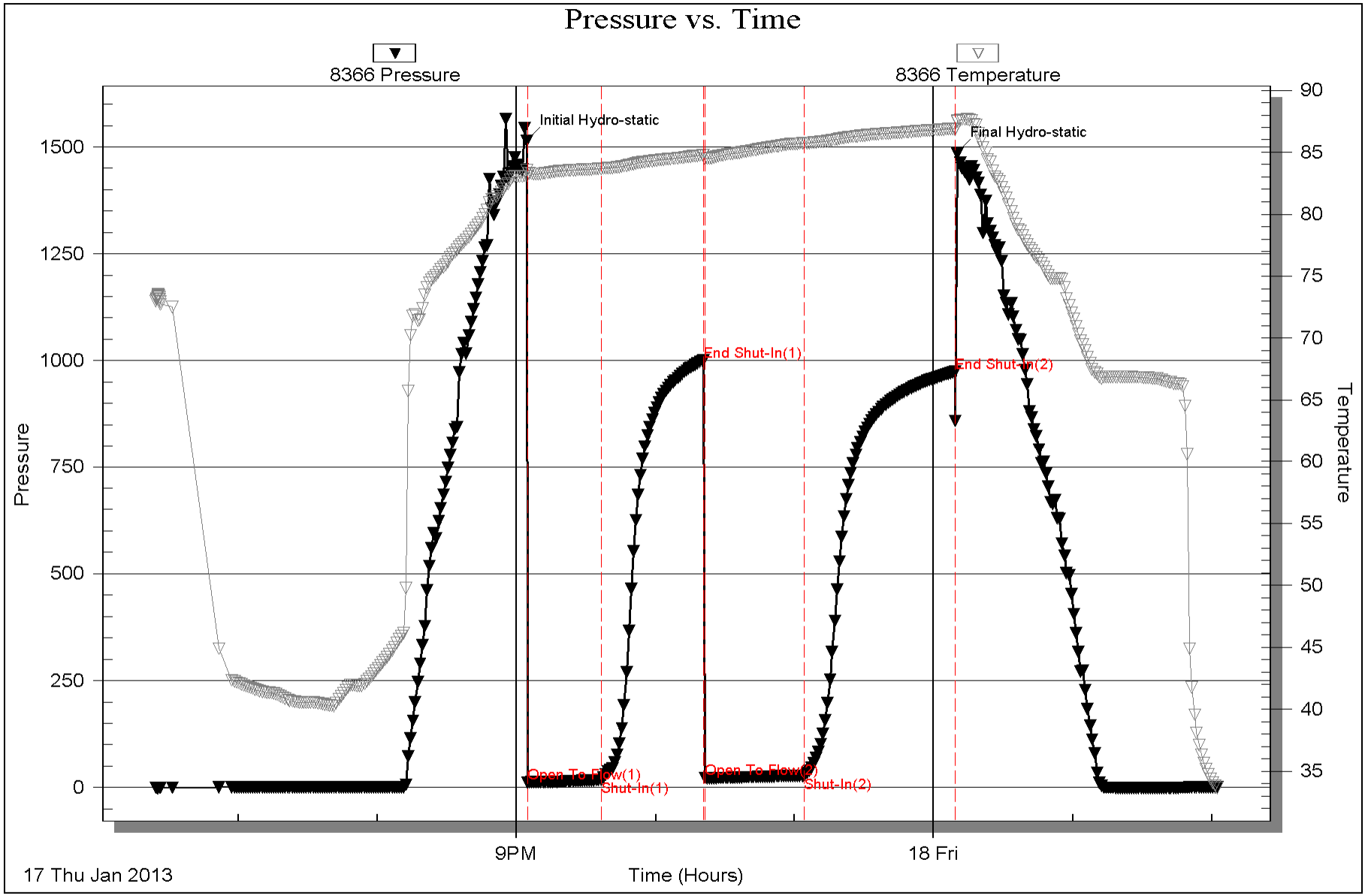
Recovery Table

Length ft	Description	Volume bbl
7.00	Free Oil	0.034
3.00	HOCM-50%O-50%M	0.015

Total Length: 10.00 ft Total Volume: 0.049 bbl

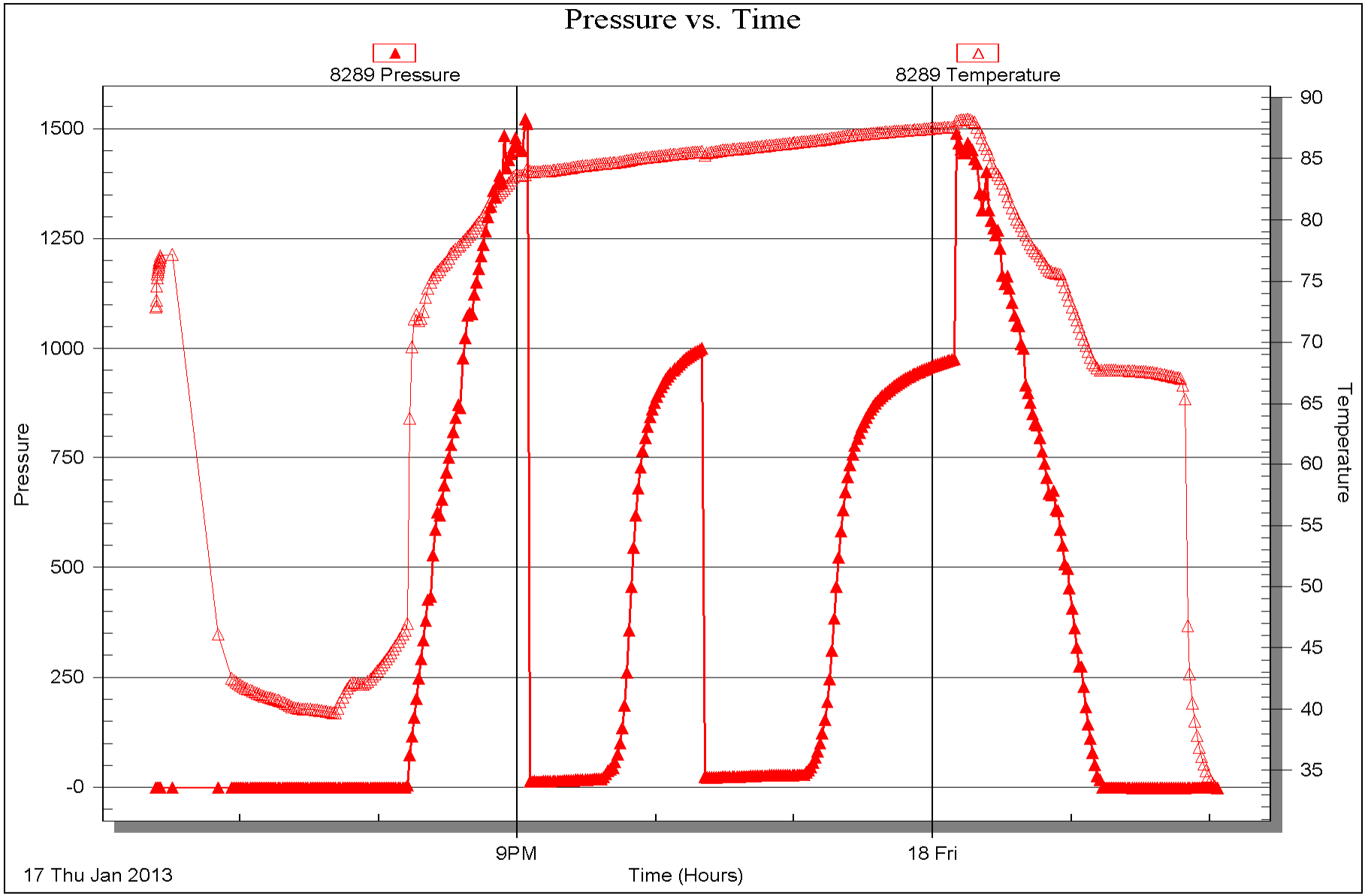
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Inside** Dreiling Oil Inc Thompson Trust #2-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51714 Printed: 2013.01.25 @ 09:50:02

Serial #: 8289 **Outside** Dreiling Oil Inc Thompson Trust #2-1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51714 Printed: 2013.01.25 @ 09:50:02

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Thompson Trust #2-1

1-9s-12w-Osborne,KS

Start Date: 2013.01.18 @ 07:40:22
End Date: 2013.01.18 @ 13:53:22
Job Ticket #: 51715 DST #: 2

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

Printed: 2013.01.25 @ 09:49:21

DRILL STEM TEST REPORT

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51715 **DST#: 2**

Test Start: 2013.01.18 @ 07:40:22

GENERAL INFORMATION:

Formation: **B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:24:07
Time Test Ended: 13:53:22

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3081.00 ft (KB) To 3110.00 ft (KB) (TVD)
Total Depth: 3110.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

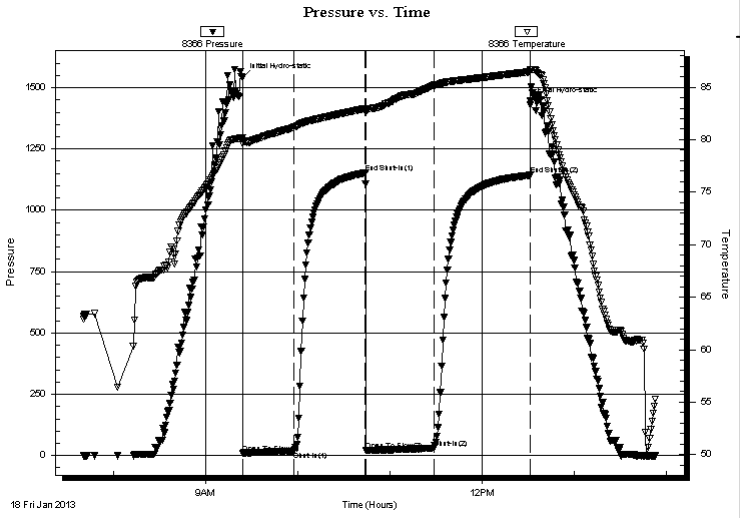
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 30.12 psig @ 3082.00 ft (KB)
Start Date: 2013.01.18 End Date: 2013.01.18
Start Time: 07:40:24 End Time: 13:53:22

Capacity: 8000.00 psig
Last Calib.: 2013.01.18
Time On Btm: 2013.01.18 @ 09:23:52
Time Off Btm: 2013.01.18 @ 12:31:37

TEST COMMENT: IFP-Weak Intermittant Blow
ISI-Dead
FFP-Weak Surface Blow
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.95	80.19	Initial Hydro-static
1	10.38	79.62	Open To Flow (1)
34	18.58	81.19	Shut-In(1)
80	1152.47	82.97	End Shut-In(1)
81	20.56	82.54	Open To Flow (2)
125	30.12	85.16	Shut-In(2)
188	1143.19	86.46	End Shut-In(2)
188	1444.48	86.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Mud W/Oil Specks	0.04

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51715 **DST#: 2**

Test Start: 2013.01.18 @ 07:40:22

GENERAL INFORMATION:

Formation: **B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:24:07
Time Test Ended: 13:53:22

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3081.00 ft (KB) To 3110.00 ft (KB) (TVD)
Total Depth: 3110.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

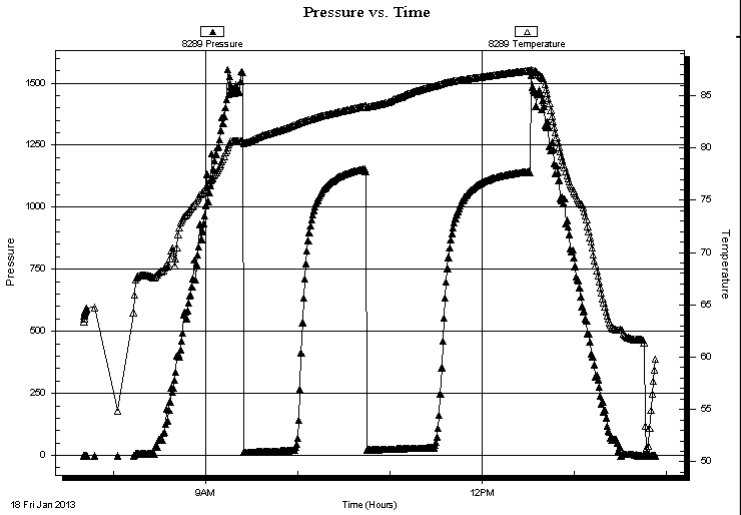
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3082.00 ft (KB)
Start Date: 2013.01.18 End Date: 2013.01.18
Start Time: 07:40:24 End Time: 13:53:37

Capacity: 8000.00 psig
Last Calib.: 2013.01.18
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Intermittant Blow
ISI-Dead
FFP-Weak Surface Blow
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Mud W/Oil Specks	0.04

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51715 **DST#: 2**

Test Start: 2013.01.18 @ 07:40:22

Tool Information

Drill Pipe:	Length:	2943.00 ft	Diameter:	3.80 inches	Volume:	41.28 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	122.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:		38000.00 lb
					Total Volume:	41.88 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		5.00 ft					String Weight:	Initial	35000.00 lb
Depth to Top Packer:		3081.00 ft						Final	35000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		29.00 ft							
Tool Length:		50.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3061.00		
Shut In Tool	5.00			3066.00		
Hydraulic tool	5.00			3071.00		
Packer	5.00			3076.00	21.00	Bottom Of Top Packer
Packer	5.00			3081.00		
Stubb	1.00			3082.00		
Recorder	0.00	8366	Inside	3082.00		
Recorder	0.00	8289	Outside	3082.00		
Perforations	25.00			3107.00		
Bullnose	3.00			3110.00	29.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51715 **DST#: 2**

Test Start: 2013.01.18 @ 07:40:22

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

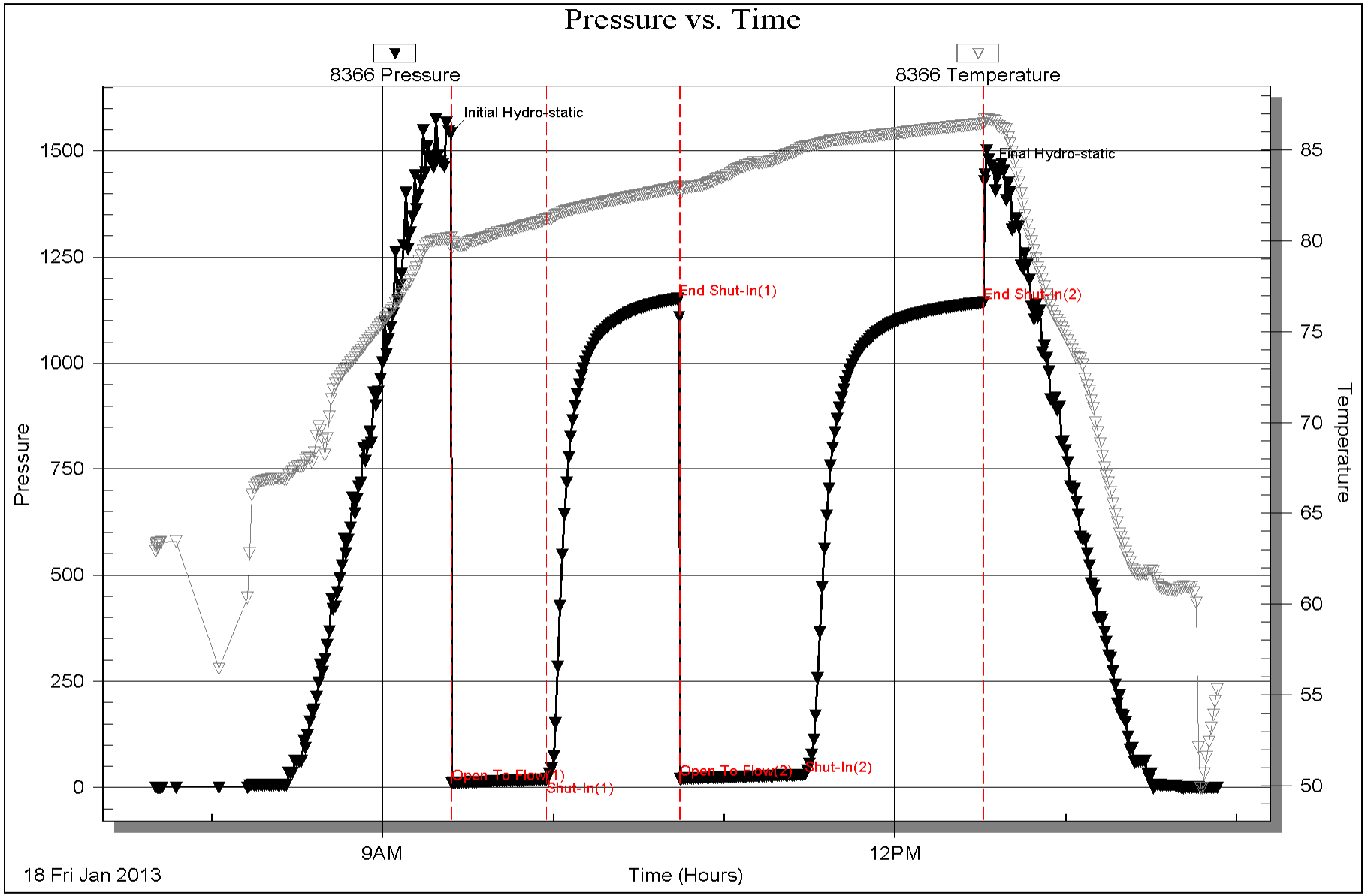
Recovery Table

Length ft	Description	Volume bbl
8.00	Mud W/Oil Specks	0.039

Total Length: 8.00 ft Total Volume: 0.039 bbl

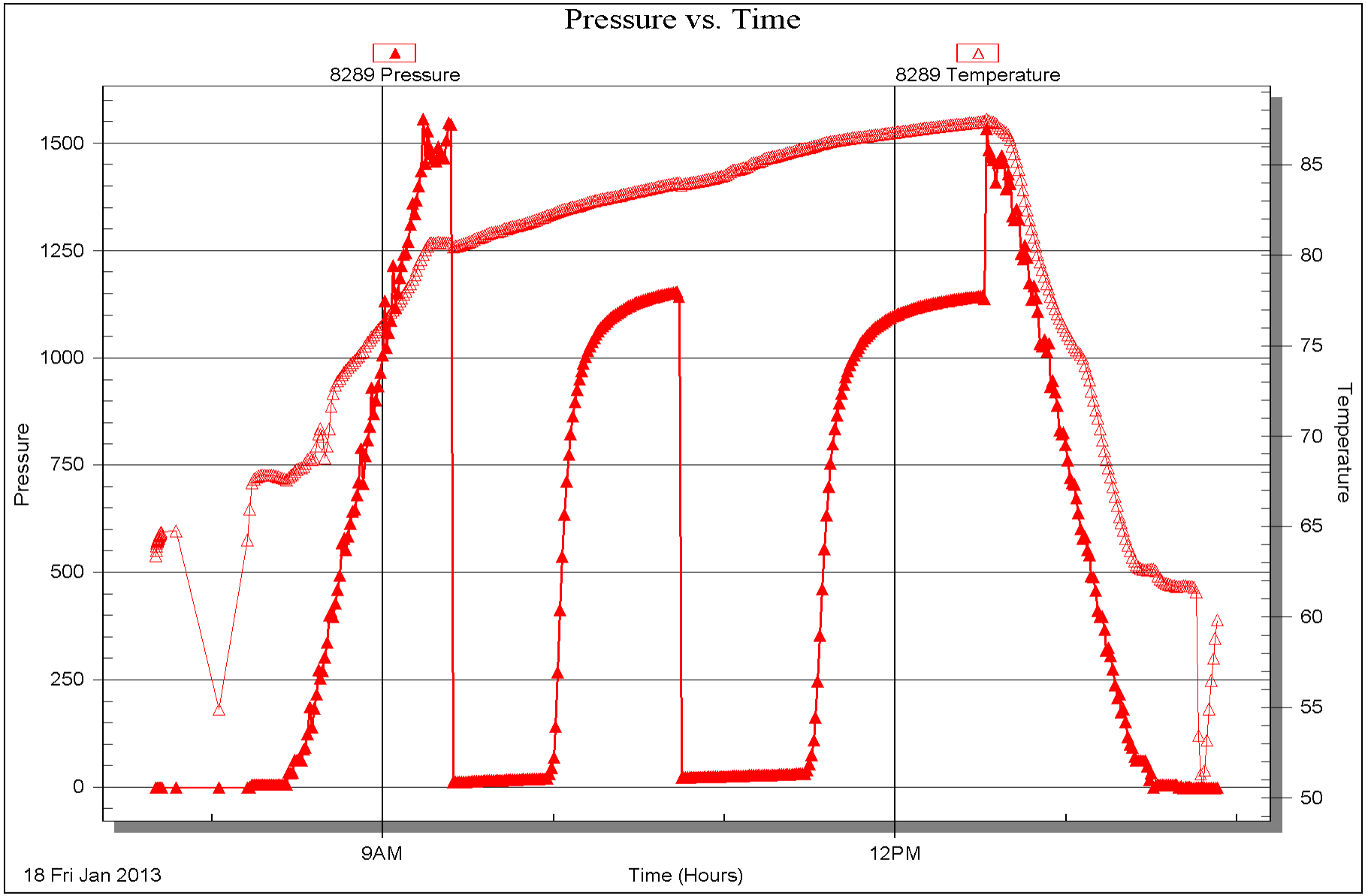
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Inside** Dreiling Oil Inc Thompson Trust #2-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51715 Printed: 2013.01.25 @ 09:49:24

Serial #: 8289 **Outside** Dreiling Oil Inc Thompson Trust #2-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51715 Printed: 2013.01.25 @ 09:49:24

DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Inc**

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

Thompson Trust #2-1

1-9s-12w-Osborne,KS

Start Date: 2013.01.18 @ 18:07:38
End Date: 2013.01.19 @ 01:25:23
Job Ticket #: 51716 DST #: 3

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

Printed: 2013.01.25 @ 09:48:43

DRILL STEM TEST REPORT

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51716 **DST#: 3**

Test Start: 2013.01.18 @ 18:07:38

GENERAL INFORMATION:

Formation: **C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:47:38
Time Test Ended: 01:25:23

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3118.00 ft (KB) To 3130.00 ft (KB) (TVD)
Total Depth: 3130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

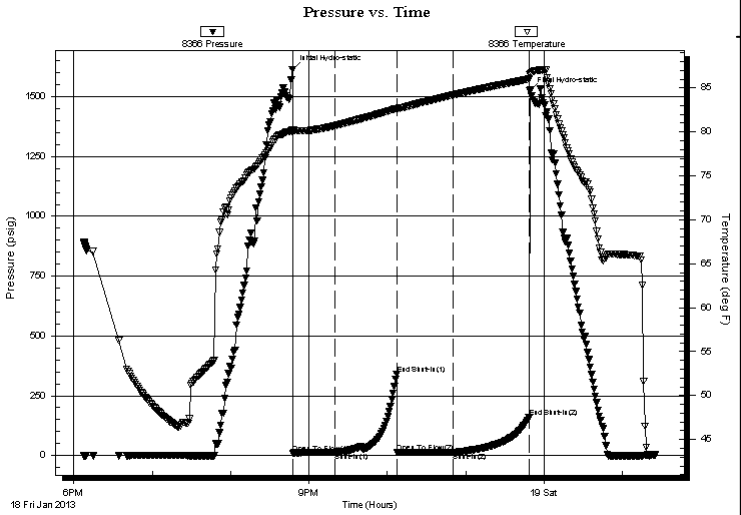
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 13.36 psig @ 3122.00 ft (KB)
Start Date: 2013.01.18 End Date: 2013.01.19
Start Time: 18:07:40 End Time: 01:25:23

Capacity: 8000.00 psig
Last Calib.: 2013.01.19
Time On Btm: 2013.01.18 @ 20:47:23
Time Off Btm: 2013.01.18 @ 23:49:08

TEST COMMENT: IFP-Weak Surface Blow
ISI-Dead
FFP-Weak Intermittant Surface Blow
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.90	80.26	Initial Hydro-static
1	10.27	79.92	Open To Flow (1)
33	12.83	80.71	Shut-In(1)
80	339.61	82.67	End Shut-In(1)
80	12.88	82.52	Open To Flow (2)
123	13.36	84.18	Shut-In(2)
182	160.65	86.01	End Shut-In(2)
182	1523.34	86.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Specks-1%O-99%M	0.01

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51716 **DST#: 3**

Test Start: 2013.01.18 @ 18:07:38

GENERAL INFORMATION:

Formation: **C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:47:38
Time Test Ended: 01:25:23

Test Type: Conventional Bottom Hole (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3118.00 ft (KB) To 3130.00 ft (KB) (TVD)
Total Depth: 3130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

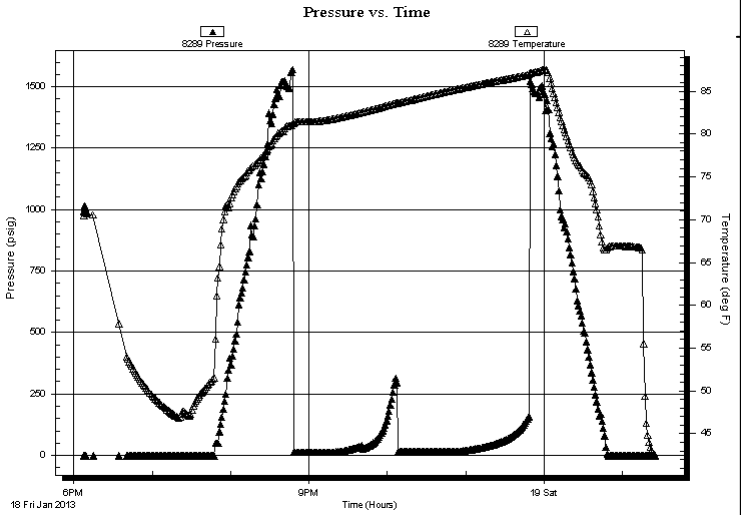
Reference Elevations: 1876.00 ft (KB)
1869.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3122.00 ft (KB)
Start Date: 2013.01.18 End Date: 2013.01.19
Start Time: 18:07:40 End Time: 01:25:53

Capacity: 8000.00 psig
Last Calib.: 2013.01.19
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow
ISI-Dead
FFP-Weak Intermittant Surface Blow
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Specks-1%O-99%M	0.01

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51716 **DST#: 3**

Test Start: 2013.01.18 @ 18:07:38

Tool Information

Drill Pipe:	Length:	3005.00 ft	Diameter:	3.80 inches	Volume:	42.15 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	122.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:		38000.00 lb
					Total Volume:	42.75 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	35000.00 lb
Depth to Top Packer:		3118.00 ft						Final	35000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		12.00 ft							
Tool Length:		33.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3098.00		
Shut In Tool	5.00			3103.00		
Hydraulic tool	5.00			3108.00		
Packer	5.00			3113.00	21.00	Bottom Of Top Packer
Packer	5.00			3118.00		
Stubb	1.00			3119.00		
Perforations	3.00			3122.00		
Recorder	0.00	8366	Inside	3122.00		
Recorder	0.00	8289	Outside	3122.00		
Perforations	5.00			3127.00		
Bullnose	3.00			3130.00	12.00	Bottom Packers & Anchor
Total Tool Length:	**33.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc

PO Box 550
Hays, KS 67601

ATTN: Roger Fisher

1-9s-12w-Osborne,KS

Thompson Trust #2-1

Job Ticket: 51716 **DST#: 3**

Test Start: 2013.01.18 @ 18:07:38

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

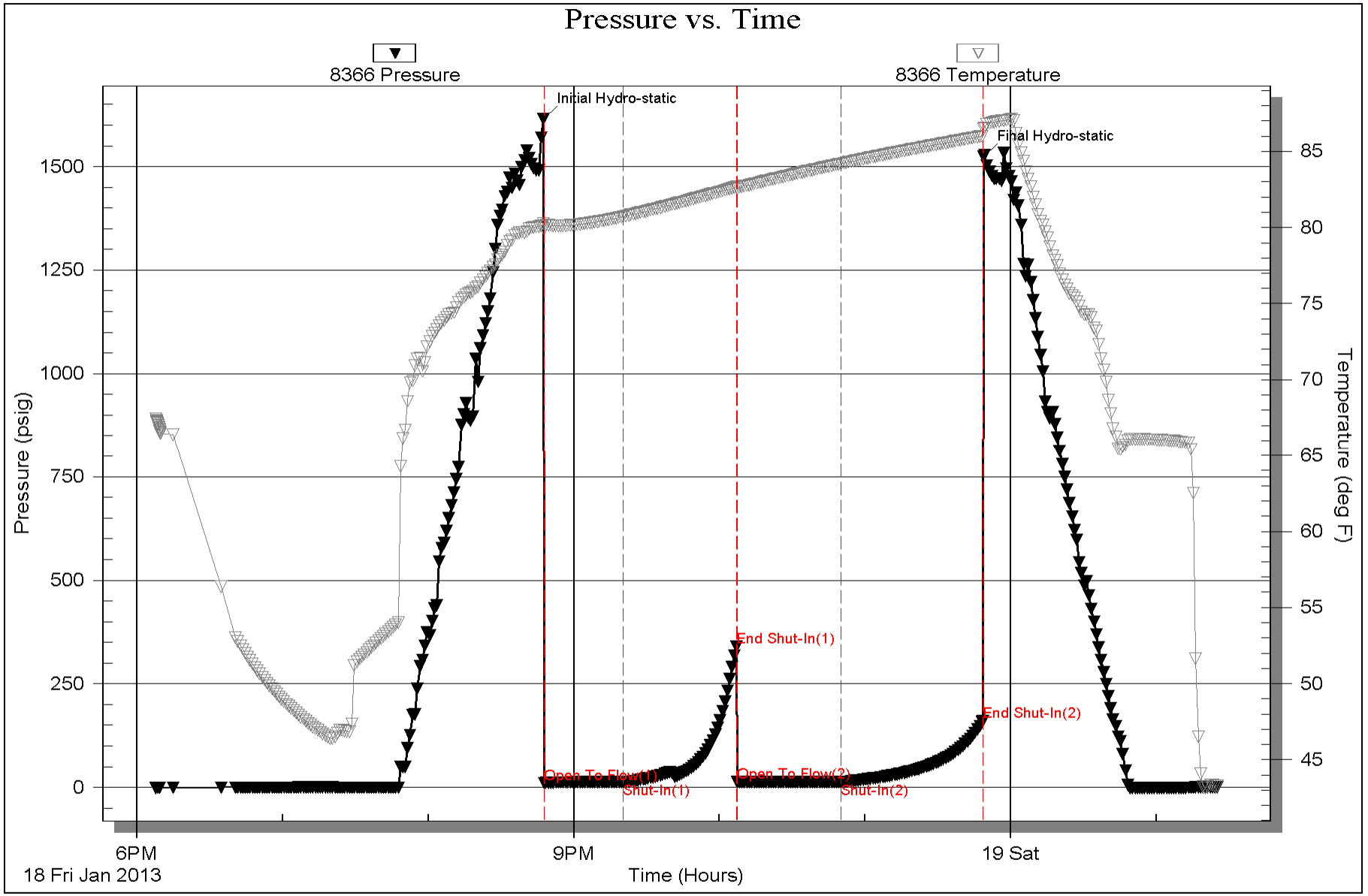
Recovery Table

Length ft	Description	Volume bbl
3.00	Mud W/Oil Specks-1%O-99%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

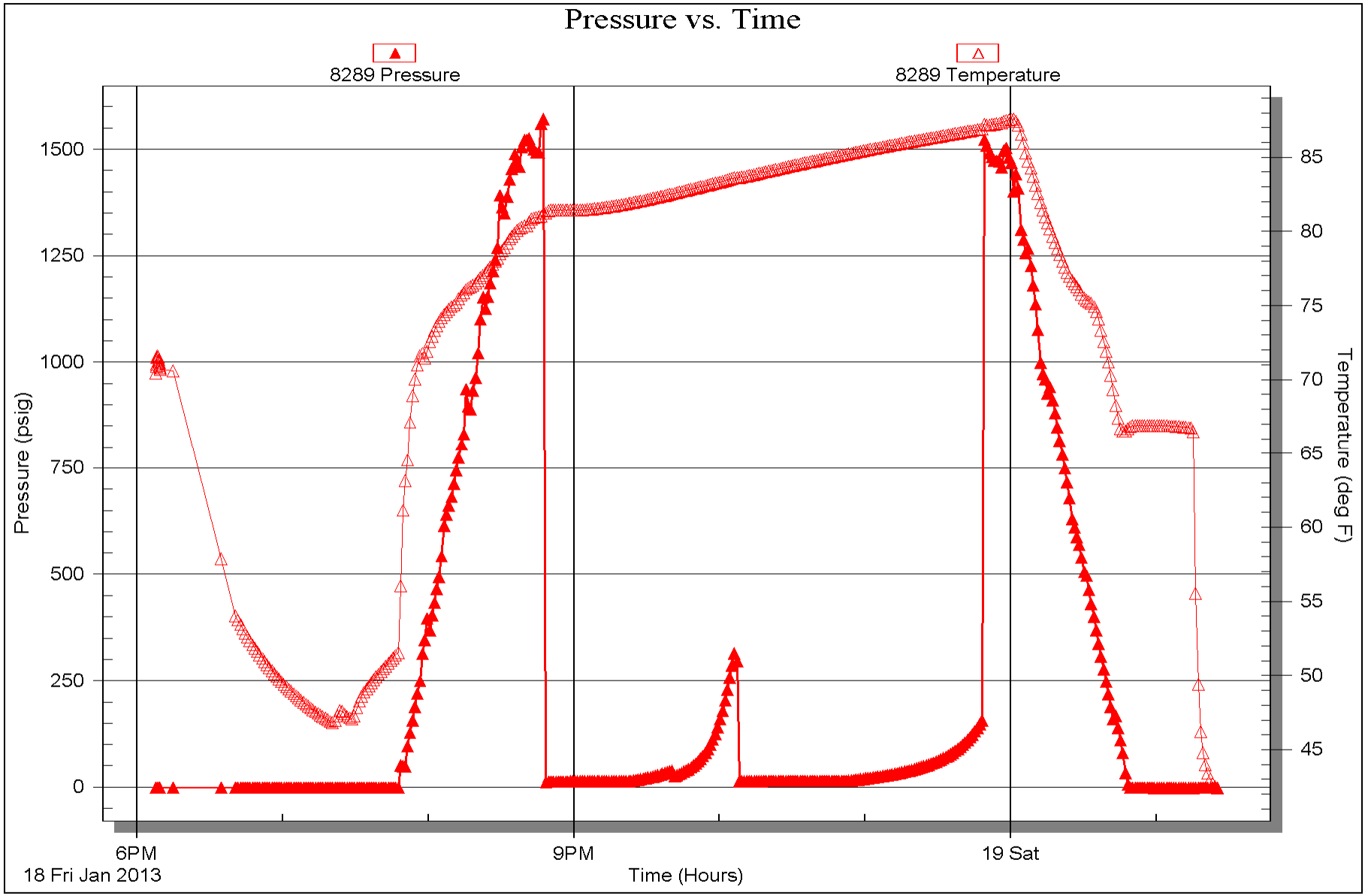
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Inside** Dreiling Oil Inc Thompson Trust #2-1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 51716 Printed: 2013.01.25 @ 09:48:45

Serial #: 8289 **Outside** Dreiling Oil Inc Thompson Trust #2-1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 51716 Printed: 2013.01.25 @ 09:48:46

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51714

Well Name & No. Thompson Trust #2-1 Test No. 1 Date 1-17-13

Company Dreiling Oil Company Elevation 1876 KB 1869 GL

Address PO Box 550, Hays, KS. 67601

Co. Rep / Geo. Roger Fisher Rig WW #12

Location: Sec. 1 Twp. 9s Rge. 12w Co. Osborne State KS

Interval Tested 3044-3080 Zone Tested "A"

Anchor Length ~~35~~ 36' Drill Pipe Run 2911 Mud Wt. 8.7

Top Packer Depth 3039 Drill Collars Run 122 Vis 55

Bottom Packer Depth 3044 Wt. Pipe Run 0 WL 8.0

Total Depth 3080 Chlorides 1500 ppm System LCM 2½ #

Blow Description IFP- Weak Blow, Built to ½"

ISI - Dead

FFP- Weak Blow, Built to ¼"

FSI - Dead

Rec 7	Feet of Free Oil	%gas	%oil	%water	%mud
Rec 3	Feet of Mcm	%gas 50	%oil	%water 50	%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 ____ Gravity 36 API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1514	☑ Test 1150	T-On Location 18:11	
(B) First Initial Flow 11	☐ Jars	T-Started 18:21	
(C) First Final Flow 18	☐ Safety Joint	T-Open 21:06	
(D) Initial Shut-In 1000	☐ Circ Sub	T-Pulled 24:06	
(E) Second Initial Flow 22	☐ Hourly Standby	T-Out 2:03	
(F) Second Final Flow 27	☑ Mileage 150 pt 232.50	Comments	
(G) Final Shut-In 974	☐ Sampler		
(H) Final Hydrostatic 1486	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 1382.50	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1382.50		

Approved By ____ Our Representative Jason McLamore Thank You

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

4/10

Test Ticket

NO. 51715

Well Name & No. Thompson Trust #2-1 Test No. 2 Date 1-18-13

Company Dreiling Oil, Inc. Elevation 1876 KB 1869 GL

Address PO Box 550, Hays, KS. 67601

Co. Rep / Geo. Roger Fisher Rig WW #12

Location: Sec. 1 Twp. 9s Rge. 12w Co. Osborne State KS

Interval Tested 3081 -3110 Zone Tested B

Anchor Length 29' Drill Pipe Run 2943 Mud Wt. 8.9

Top Packer Depth 3076 Drill Collars Run 122 Vis 49

Bottom Packer Depth 3081 Wt. Pipe Run 0 WL 8.8

Total Depth 3110 Chlorides 3,000 ppm System LCM 2#

Blow Description IFP- Weak Intermittant Blow

ISI- Dead

FFP- Weak Surface Blow

FSI- Dead

Rec 8	Feet of Mud w/Oil Specks	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 8 BHT ____ Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1542

(B) First Initial Flow 10

(C) First Final Flow 19

(D) Initial Shut-In 1152

(E) Second Initial Flow 21

(F) Second Final Flow 30

(G) Final Shut-In 1143

(H) Final Hydrostatic 1444

Initial Open 30

Initial Shut-In 45

Final Flow 45

Final Shut-In 60

- ☑ Test 1150
- ☐ Jars
- ☐ Safety Joint
- ☐ Circ Sub
- ☐ Hourly Standby
- ☐ Mileage 232.50
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1382.50

T-On Location 7:25

T-Started 7:38

T-Open 9:26

T-Pulled 12:26

T-Out 13:54

Comments

- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1382.50

MP/DST Disc't

Approved By ____ Our Representative Jason McLemore thank you

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51716

Well Name & No. Thompson Trust #2-1 Test No. 3 Date 1-18-13

Company Dreiling Oil, Inc. Elevation 1876 KB 1869 GL

Address PO Box 550, Hays, KS. 67601

Co. Rep / Geo. Roger Fisher Rig WW #12

Location: Sec. 1 Twp. 9s Rge. 12w Co. Osborne State KS

Interval Tested 3118-3130 Zone Tested C

Anchor Length 12 Drill Pipe Run 3005 Mud Wt. 8.9

Top Packer Depth 3113 Drill Collars Run 122 Vis 49

Bottom Packer Depth 3118 Wt. Pipe Run 0 WL 8.8

Total Depth 3130 Chlorides 3,000 ppm System LCM 2#

Blow Description IFP-Weak Surface Blow

TSI-Dead

FFP - Weak Intermittant Surface Blow

FSI-Dead

Rec 3	Feet of Mud w/Oil specks	%gas	1 %oil	%water 99	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 3 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1614

(B) First Initial Flow 10

(C) First Final Flow 13

(D) Initial Shut-In 340

(E) Second Initial Flow 13

(F) Second Final Flow 13

(G) Final Shut-In 161

(H) Final Hydrostatic 1523

Initial Open 30

Initial Shut-In 45

Final Flow 45

Final Shut-In 60

- ☑ Test 1150
- ☐ Jars
- ☐ Safety Joint
- ☐ Circ Sub
- ☐ Hourly Standby
- ☑ Mileage 232.50
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1382.50

T-On Location 17:45

T-Started 18:05

T-Open 20:47

T-Pulled 23:47

T-Out 1:23

Comments

- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1382.50

MP/DST Disc't

Approved By Our Representative Jason M. Lamon

Thank You