



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1112676
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: _____



1112676

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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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
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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> _____
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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	SODOCO, LLC
Well Name	Rees Ranch 7-19
Doc ID	1112676

All Electric Logs Run

Composenated Sonic
Array Induction
Compact Photo Density
Microresistivity
Caliper

Form	ACO1 - Well Completion
Operator	SODOCO, LLC
Well Name	Rees Ranch 7-19
Doc ID	1112676

Tops

Name	Top	Datum
Anhydrite	2339	+849
BaseAnhydrite	2356	+832
Heebner	3958	-770
Lansing	4015	-827
Stark Shale	4316	-1128
Base Kansas City	4457	-1269
Marmaton	4492	-1304
Altamont	4531	-1343
Pawnee	4556	-1368
Ft Scott	4584	-1396
Cherokee Shale	4616	-1428
Mississippian	4952	-1764

SIGNATURE

[Handwritten Signature]

PRINTED NAME

[Handwritten Name]

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.

CITY

STATE

ZIP

STREET

CHARGE TO:

[Handwritten Charge To]

REMARKS:

[Handwritten Remarks]

#

BULK TRUCK DRIVER

#

BULK TRUCK DRIVER

#

PUMP TRUCK CEMENTER HELPER

EQUIPMENT

DISPLACEMENT

PERFS

CEMENT LEFT IN CSC

MEAS LINE

PRES. MAX MINIMUM

TOOL DEPTH

DRILL PIPE DEPTH

TUBING SIZE DEPTH

CASING SIZE DEPTH

HOLE SIZE T.D.

TYPE OF JOB

CONTRACTOR

OWNER

CEMENT

AMOUNT ORDERED

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

PLW @

MANIFOLD @

MILEAGE @

EXTRA FOOTAGE @

DEPTH OF JOB @

PUMP TRUCK CHARGE @

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PLUG & FLOAT EQUIPMENT

TOTAL

TOTAL

DISCOUNT IF PAID IN 30 DAYS

TOTAL CHARGES

SALES TAX (If Any)

5 1/2" Production Casing Set

Contractor: H2 Drilling Co. (Rig #3)

Commenced: October 3, 2012

Completed: October 14, 2012

Elevation: 3188' K.B.; 3186' D.F.; 3177' G.L.

Casing program: Surface; 8 5/8" @ 350'
Production; 5 1/2" @ 5264'

Sample: Samples saved and examined 3700' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 3700 ft to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Drill Stem Tests: There were two (2) Drill Stem Tests ran by Trilobite Testing Co.

Electric Log: By Weatherford.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	2339	+849
Base Anhydrite	2356	+832
Heebner	3958	-770
Lansing	4015	-827
Stark Shale	4316	-1128
Base Kansas City	4457	-1269
Marmaton	4492	-1304
Altamont	4531	-1343
Pawnee	4556	-1368
Ft Scott	4584	-1396
Cherokee Shale	4616	-1428
Mississippian	4952	-1764
Rotary Total Depth	5265	-2077
Log Total Depth	5264	-2076

(All tops and zones corrected to Electric Log measurements).

Limestone; cream, tan, finely crystalline, oolitic, fossiliferous, poor to fair intercrystalline to vuggy porosity, golden brown stain, show of free oil and good odor in fresh samples.

4534-4537'

ALMAMONT SECTION

Limestone; tan, buff, slightly oolitic, few dolomitic, poor to fair pinpoint type porosity, spotty brown stain, trace of free oil and faint odor.

4516-4520'

Limestone; tan, buff, oolitic, chalky poor visible porosity, trace brown stain, no free oil and no odor.

4502-4506'

Limestone; tan, cream, finely crystalline, chalky, no shows.

4494-4500'

MARMATON SECTION

Limestone; tan, cream, oolitic, chalky in part, poor porosity, trace dark brown stain, no free oil, plus gray chert.

4446-4454'

Limestone; gray, white, finely crystalline, poor porosity, dark brown to black stain (dead), no free oil and no odor.

4398-4406'

Limestone; light gray, tan, chalky, poorly developed pinpoint porosity, spotty dark brown stain, no free oil and no odor, plus white boney chert.

4372-4377'

Limestone; tan, cream, light gray, oolitic, concolitic, scattered porosity, spotty dark brown stain, show of free oil (dead) and faint odor in fresh samples.

4344-4360'

Limestone; cream, tan, gray, oolitic, poor pinpoint porosity, spotty dark brown heavy stain, gummy dark oil and faint odor in fresh samples.

4324-4332'

Limestone; gray, tan, finely crystalline, oolitic, fossiliferous, poor visible porosity, brown spotty stain, show of free oil (dead) and faint odor in fresh samples.

4155-4165'

Limestone; gray, tan, oolitic/fossiliferous, poor scattered fossil cast porosity, spotty brown stain, no free oil and no odor in fresh samples.

4134-4150'

Limestone; cream, tan, finely crystalline, poorly developed pinpoint and intercrystalline porosity, spotty heavy brown stain, no show of free oil and no odor in fresh samples.

Blow: Strong; gas to surface in 105 mins, TSTM

Recovery:

1756' gas in pipe
2418' clean gassy oil
186' very slightly oil and gas cut watery mud
(10% gas, 3% oil, 10% water, 77% mud)
124' oil specked muddy water
(70% water, 30% mud)

Pressures:

ISIP 1213 psi
FSIP 1221 psi
IFP 232-639 psi
FFP 664-1017 psi
HSH 2314-2253 psi

PAWNEE SECTION

4556-4570'

Limestone; gray, cream, finely crystalline, oolitic, fossiliferous, chalky in part, poor porosity, no shows.

FT SCOTT SECTION

4585-4598'

Limestone; cream, white, oolitic, poorly developed porosity, few with fine vuggy type porosity, brown and black stain, no free oil and no odor in fresh samples.

4598-4610'

Limestone; light gray and cream, finely crystalline, oolitic, poor to fair porosity, golden brown stain, show of free oil and fair to good odor in fresh samples.

Drill Stem Test #2 4579-4612'

Times: 30-60-30-60

Blow: Weak

Recovery: 15' very slightly oil cut mud
(1% oil, 99% mud)

Pressures:

ISIP 1244 psi
FSIP 1161 psi
IFP 19-21 psi
FFP 23-26 psi
HSH 2346-2325 psi

CHEROKEE SECTION

4638-4650'

Limestone; tan, oolitic, chalky, trace black stain, no free oil, no odor, poor porosity.

MISSISSIPPIAN SECTION

Trace sand, white, green lined, well rounded, tan sorting, matrix, no shows.

Poor samples - samples were 95-99% shales. Trace limestone; white, cream, chalky, no shows.

Limestone; white, cream, chalky, poorly developed porosity, no shows.

Limestone; white, cream, fine and medium crystalline, chalky, poor porosity, no shows.

Limestone; as above.

Limestone; cream, white, tan, slightly dolomitic, few oolitic, poor visible porosity, no shows.

Limestone; white, gray, fossiliferous, chalky, no shows.

Limestone; cream, tan, finely crystalline, slightly cherty, no shows.

Limestone; white, cream, finely crystalline, poor visible porosity, no shows.

Limestone; as above, cherty, plus white/cream, opaque chert.

Limestone; cream, white, finely crystalline, slightly oolitic, plus white boney chert, no shows.

Limestone and chert; as above.

Limestone and chert; as above.

Limestone; tan, gray, oolitic, finely crystalline, slightly cherty, no shows.

4952-5000'

5000-5020'

5020-5040'

5040-5056'

5056-5060'

5060-5100'

5100-5140'

5140-5160'

5160-5180'

5180-5200'

5200-5220'

5220-5240'

5240-5264'

Rotary Total Depth

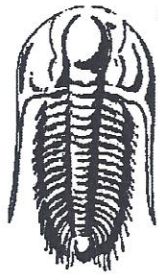
5265 (-2077)
5264 (-2076)

Recommendations:

5 1/2" production casing was set and cemented on the Rees Ranch #7-19.

Respectfully submitted;

Kurt Talbot,
Petroleum Geologist



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **SDOCO, LLC**

PO Box 369
Littleton, CO 80160

ATTN: Kurt Talbot

Rees Ranch #7-19

S19-19s-35w Wichita, KS

Start Date: 2012.10.09 @ 21:40:00

End Date: 2012.10.10 @ 09:33:15

Job Ticket #: 48462 DST #: 1

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

Printed: 2012.10.15 @ 11:35:18

SDOCO, LLC

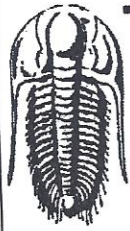
S19-19s-35w Wichita, KS

Rees Ranch #7-19

DST # 1

Marmaton

2012.10.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

SDOCO, LLC
 PO Box 369
 Littleton, CO 80160
 ATTN: Kurt Talbot

S19-19s-35w Wichita, KS

Rees Ranch #7-19

Job Ticket: 48462 **DST#: 1**

Test Start: 2012.10.09 @ 21:40:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:39:30
 Time Test Ended: 09:33:15

Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62

Interval: **4506.00 ft (KB) To 4535.00 ft (KB) (TVD)**
 Total Depth: 4535.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

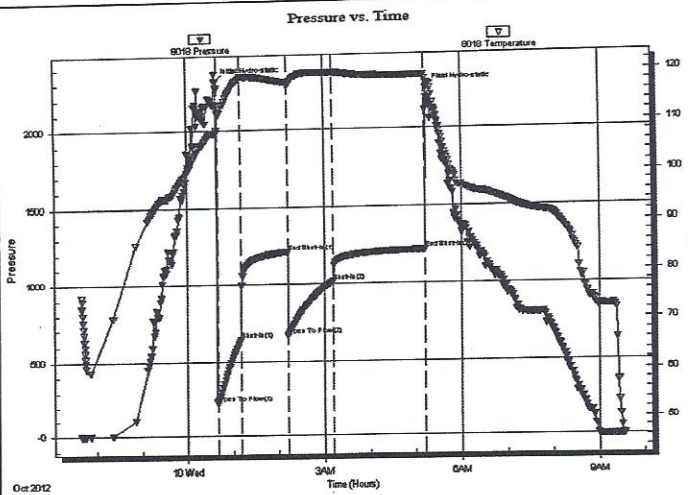
Reference Elevations: 3188.00 ft (KB)
 3177.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8018

Press@RunDepth: 1016.97 psig @ 4510.00 ft (KB)
 Start Date: 2012.10.09 End Date: 2012.10.10
 Start Time: 21:40:05 End Time: 09:33:15

Capacity: 8000.00 psig
 Last Calib.: 2012.10.10
 Time On Btm: 2012.10.10 @ 00:38:00
 Time Off Btm: 2012.10.10 @ 05:14:45

TEST COMMENT: B.O.B. @ 15 sec.
 B.O.B. @ 11 min.
 B.O.B. @ 2 min.
 B.O.B. @ 31 min. Weak GTS @ 1 3/4 hours.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.78	107.91	Initial Hydro-static
2	232.15	108.15	Open To Flow (1)
32	638.64	118.96	Shut-In(1)
94	1212.67	118.04	End Shut-In(1)
95	664.19	117.47	Open To Flow (2)
154	1016.97	119.92	Shut-In(2)
275	1221.21	119.18	End Shut-In(2)
277	2253.43	117.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OSMW 30m 70w	0.61
186.00	GSOCVMM 10g 3o 10w 77m	0.91
2418.00	GO 35g 65o	33.92
0.00	1756 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

SDOCO, LLC
PO Box 369
Littleton, CO 80160
ATTN: Kurt Talbot

S19-19s-35w Wichita, KS
Rees Ranch #7-19
Job Ticket: 48462 **DST#: 1**
Test Start: 2012.10.09 @ 21:40:00

Tool Information

Drill Pipe:	Length: 4174.00 ft	Diameter: 3.80 inches	Volume: 58.55 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	60.07 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.50 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4506.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.50 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			4479.50	
Shut In Tool	5.00			4484.50	
Hydraulic tool	5.00			4489.50	
Jars	5.00			4494.50	
Safety Joint	2.50			4497.00	
Packer	5.00			4502.00	27.50 Bottom Of Top Packer
Packer	4.00			4506.00	
Stubb	1.00			4507.00	
Perforations	3.00			4510.00	
Recorder	0.00	8018	Inside	4510.00	
Recorder	0.00	6751	Outside	4510.00	
Perforations	22.00			4532.00	
Bullnose	3.00			4535.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

SDOCO, LLC

S19-19s-35w Wichita, KS

PO Box 369
Littleton, CO 80160

Rees Ranch #7-19

Job Ticket: 48462 **DST#: 1**

ATTN: Kurt Talbot

Test Start: 2012.10.09 @ 21:40:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 66000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.97 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OSMW 30m 70w	0.610
186.00	GSOCVM 10g 3o 10w 77m	0.915
2418.00	GO 35g 65o	33.918
0.00	1756 GIP	0.000

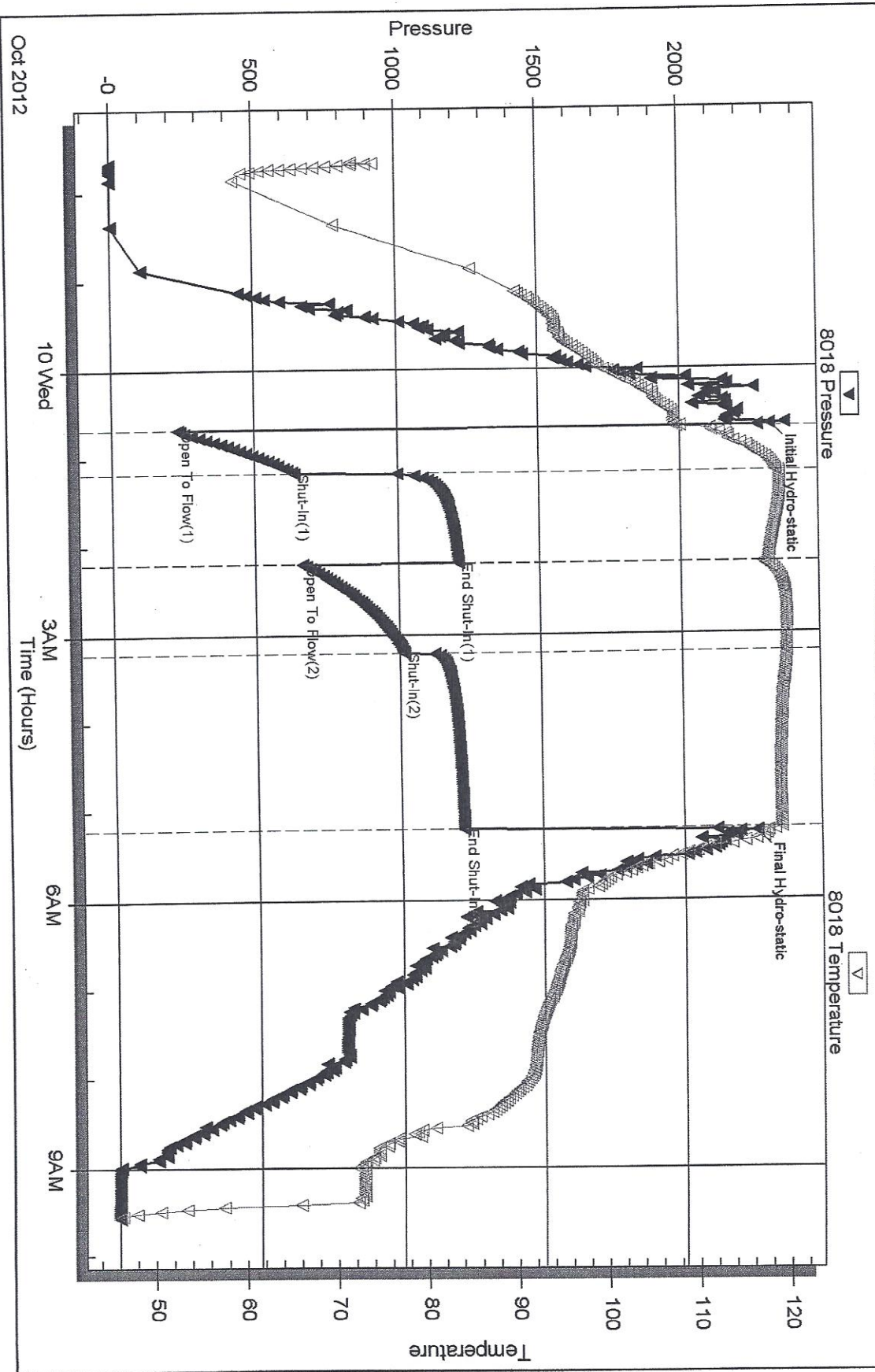
Total Length: 2728.00 ft Total Volume: 35.443 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API: 31 @ 60 Degrees F = 31. RW: .250 @ 33 Degrees F = 66000 PPM

Pressure vs. Time



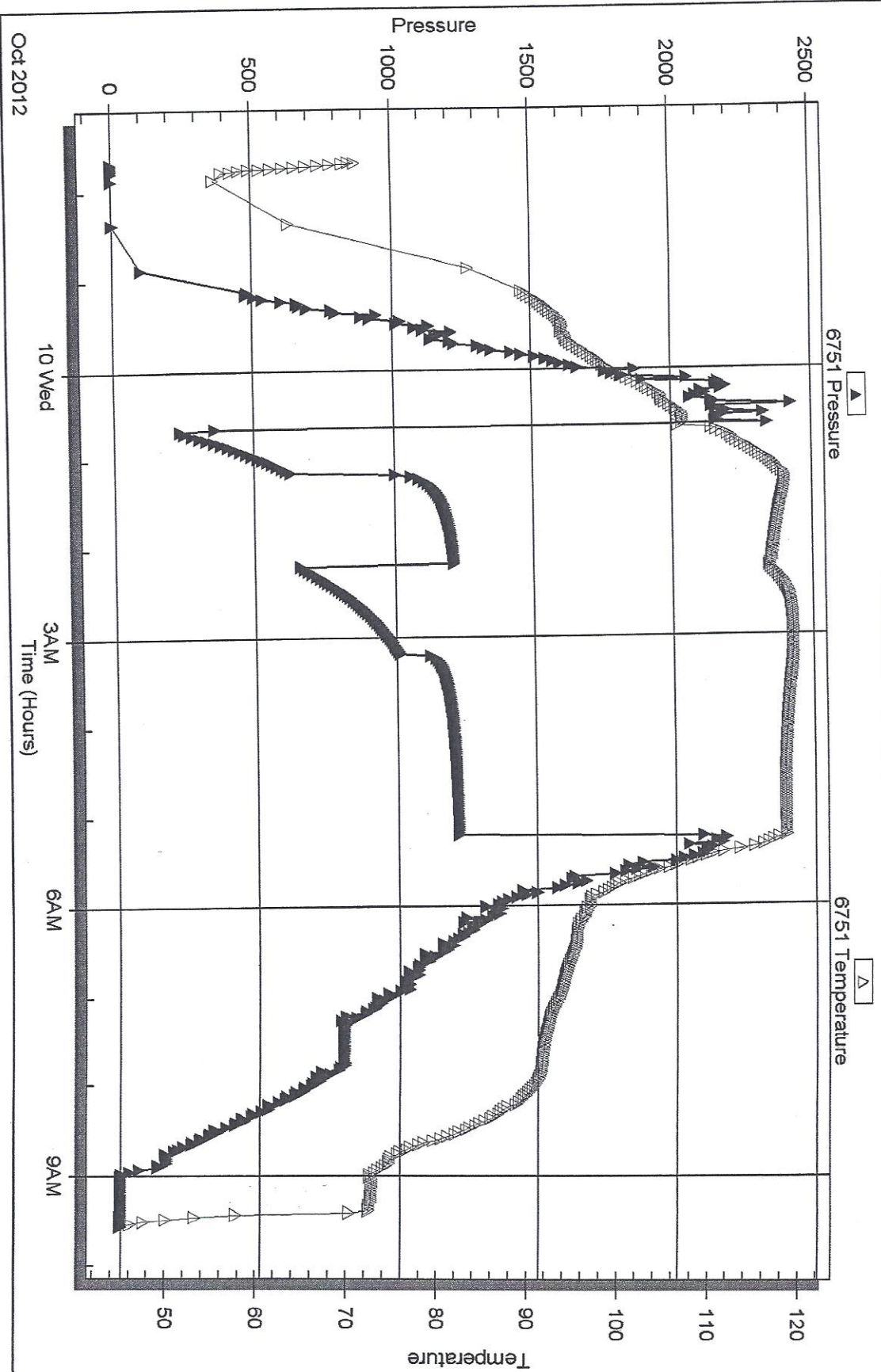
Serial #: 6751

Outside SDOCO, LLC

Rees Ranch #7-19

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 48462

Printed: 2012.10.15 @ 11:35:23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

SDOCO, LLC

S19-19s-35w Wichita, KS

PO Box 369
Littleton, CO 80160

Rees Ranch #7-19

Job Ticket: 48463

DST#: 2

ATTN: Kurt Talbot

Test Start: 2012.10.11 @ 08:24:00

Tool Information

Drill Pipe:	Length: 4270.00 ft	Diameter: 3.80 inches	Volume: 59.90 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4579.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	63.50 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			4549.50	
Shut In Tool	5.00			4554.50	
Sampler	3.00			4557.50	
Hydraulic tool	5.00			4562.50	
Jars	5.00			4567.50	
Safety Joint	2.50			4570.00	
Packer	5.00			4575.00	30.50 Bottom Of Top Packer
Packer	4.00			4579.00	
Stubb	1.00			4580.00	
Perforations	3.00			4583.00	
Recorder	0.00	8018	Inside	4583.00	
Recorder	0.00	6751	Outside	4583.00	
Perforations	26.00			4609.00	
Bullnose	3.00			4612.00	33.00 Bottom Packers & Anchor

Total Tool Length: 63.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

SDOCO, LLC

S19-19s-35w Wichita, KS

PO Box 369
Littleton, CO 80160

Rees Ranch #7-19

Job Ticket: 48463

DST#: 2

ATTN: Kurt Talbot

Test Start: 2012.10.11 @ 08:24:00

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:	53.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	9.59 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	SOCM 1o 99m	0.074
0.00	Sampler 300ML SOCM 30ML oil 2970 ML mud	0.000

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

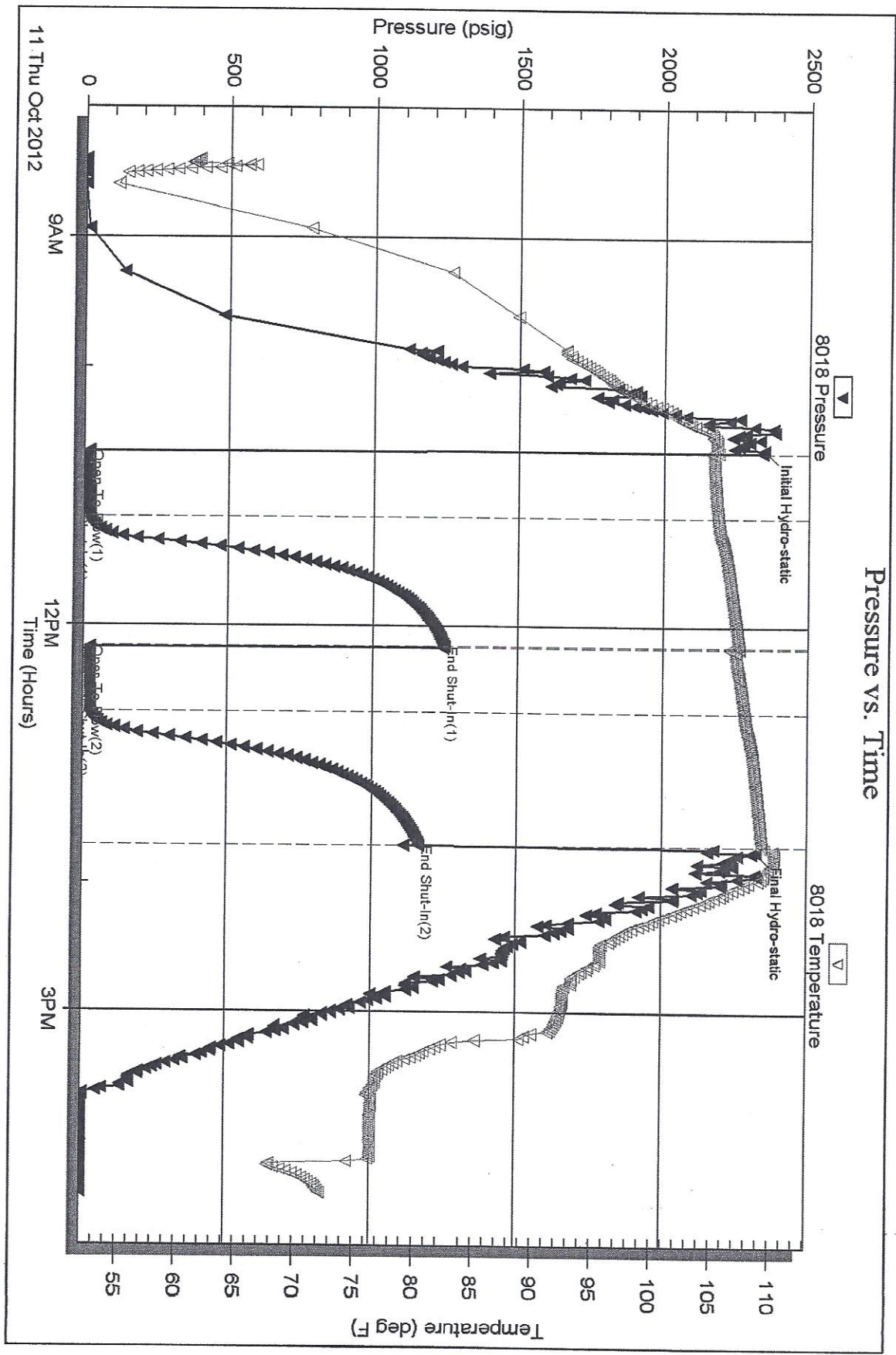
Recovery Comments:

Serial #: 8018

Inside SDOCO, LLC

Rees Ranch #7-19

DST Test Number: 2



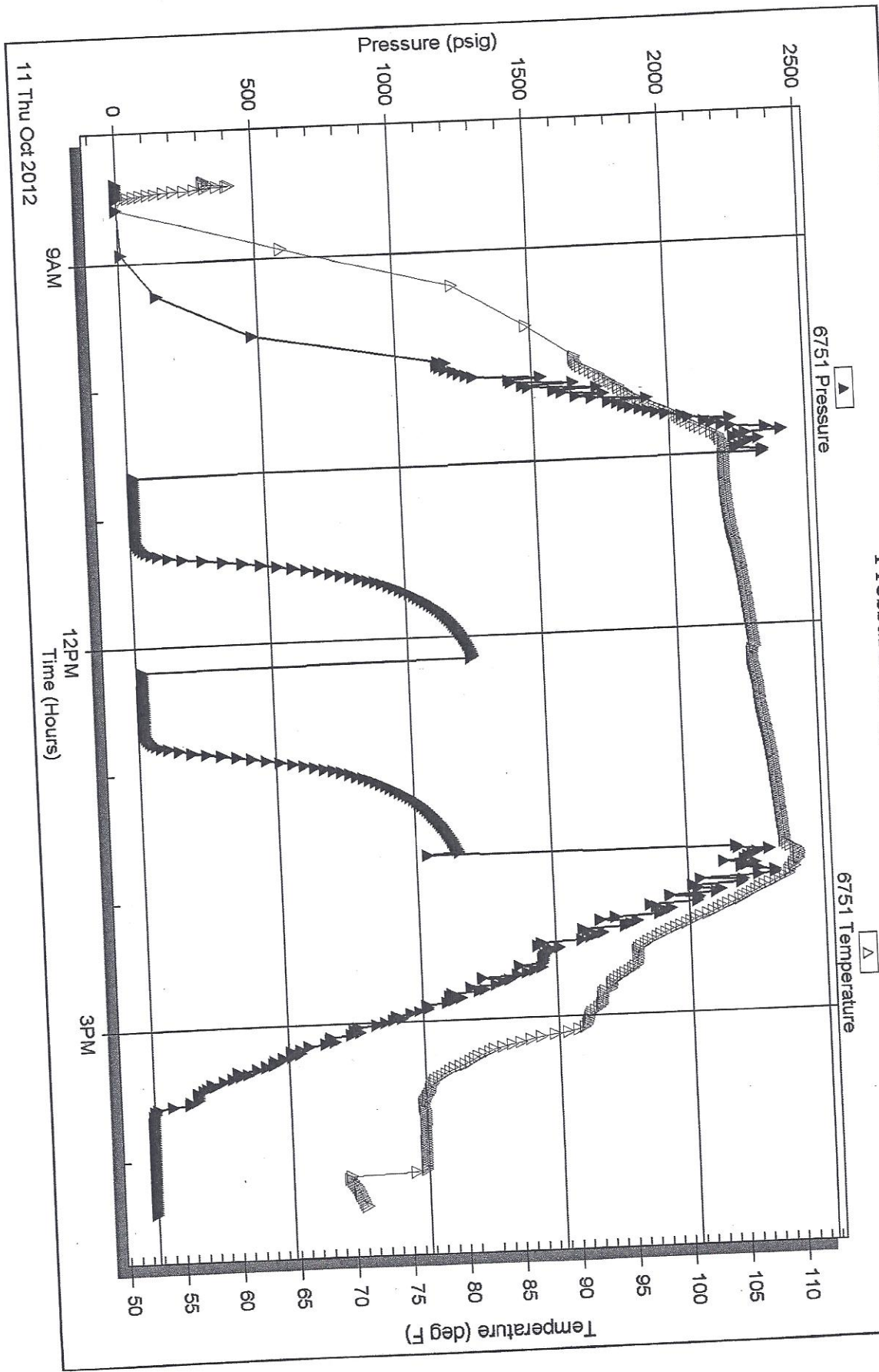
Serial #: 6751

Outside SDOCO, LLC

Rees Ranch #7-19

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 48463

Printed: 2012.10.15 @ 11:34:35



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48462

Well Name & No. Rees Ranch 7-19 Test No. 1 Date 10-9-12
 Company SDOCO, LLC Elevation 3188 KB 3177 GL
 Address POB 369 Littleton, CO 80160
 Co. Rep / Geo. Kurt Talbor Rig H2#3
 Location: Sec. 19 Twp. 19s Rge. 35w Co. Wichita State KS

Interval Tested 4506-4535 Zone Tested Marmaton
 Anchor Length 29 Drill Pipe Run 4174 Mud Wt. 9.4
 Top Packer Depth 4502 Drill Collars Run 310 Vis 50
 Bottom Packer Depth 4506 Wt. Pipe Run 0 WL 8.0
 Total Depth 4535 Chlorides 3500 ppm System LCM 2⁺
 Blow Description B.O.B. @ 15 sec.
B.O.B. @ 11 min.
B.O.B. @ 2 min.
B.O.B. @ 3/min. Weak GTB @ 1 3/4 hr.

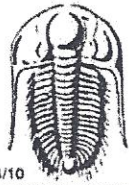
Rec	Feet of	%gas	%oil	%water	%mud
<u>2418</u>	<u>60</u>	<u>35</u>	<u>25</u>	<u>65</u>	<u>95</u>
<u>186</u>	<u>GSOCWM</u>	<u>10</u>	<u>3</u>	<u>10</u>	<u>77</u>
<u>124</u>	<u>OSNW</u>			<u>70</u>	<u>30</u>
	<u>1756' GIP</u>				

Rec Total 2728 BHT 119 Gravity 31 API RW 250 @ 33 °F Chlorides 66,000 ppm

(A) Initial Hydrostatic <u>2314</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>21:15</u>
(B) First Initial Flow <u>232</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:40</u>
(C) First Final Flow <u>639</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:40</u>
(D) Initial Shut-In <u>1213</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>5:12</u>
(E) Second Initial Flow <u>664</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2.25hrs</u> <u>225</u>	T-Out <u>9:33</u>
(F) Second Final Flow <u>1017</u>	<input checked="" type="checkbox"/> Mileage <u>52RT</u> <u>80.60</u>	Comments
(G) Final Shut-In <u>1221</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2253</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1880.60</u>
Final Shut-In <u>120</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1880.60</u>	

Approved By Kurt Talbor Our Representative Chuck Smith

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48463

Well Name & No. Rees Ranch 7-19 Test No. 2 Date 10-11-12
 Company S.D.O.C.A., LLC Elevation 3188 KB 3177 GL
 Address POB 369 Littleton, CO 80160
 Co. Rep / Geo. Kurt Talbot Rig H2#3
 Location: Sec. 19 Twp. 19s Rge. 35w Co. Wichita State KS

Interval Tested 4579-4612 Zone Tested Pawnee
 Anchor Length 33 Drill Pipe Run 4270 Mud Wt. 9.3
 Top Packer Depth 4575 Drill Collars Run 310 Vis 53
 Bottom Packer Depth 4579 Wt. Pipe Run 0 WL 9.6
 Total Depth 4612 Chlorides 7000 ppm System LCM 4#
 Blow Description 1/4" Blow died @ 20min
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>15</u>	Feet of <u>50CM</u>	%gas	<u>1</u> %oil	%water <u>99</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2346</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>7:15</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:24</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:40</u>
(D) Initial Shut-In <u>1244</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>13:42</u>
(E) Second Initial Flow <u>23</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:25</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>52RT X2</u> 161.20	Comments <u>Loaded tool 10-12</u>
(G) Final Shut-In <u>1161</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>16:15 No test</u>
(H) Final Hydrostatic <u>2325</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1986.20</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1986.20</u>	

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



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 48463 Date 10-11-12

Company Name SODOCO

Lease Rees Ranch 7-19 Test No. 2

County Wichita, KS Sec. 19 Twp. 19S Rng. 35W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas	<u>/</u>	ML	Chlorides	<u>7000</u>	ppm.
Oil	<u>30</u>	ML	Resistivity	_____	ohms @ _____ F
Mud	<u>2970</u>	ML	Viscosity	<u>5.3</u>	
Water	<u>/</u>	ML	Mud Weight	<u>9.3</u>	
Other	<u>/</u>	ML	Filtrate	<u>9.6</u>	
Pressure	<u>10 psi</u>	WT	Other	<u>4" LCM</u>	
Total	<u>3000</u>	ML			

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity _____ ohms @ _____ F

Chlorides 7000 ppm.

Gravity N/A corrected @60F

TOP

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 31, 2013

J. Robert Tuck
SDOCO, LLC
PO BOX 369
LITTLETON, CO 80160

Re: ACO1
API 15-203-20191-00-00
Rees Ranch 7-19
NE/4 Sec.19-19S-35W
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
J. Robert Tuck