



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1155394
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: _____



1155394

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: 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: <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SODOCO, LLC
Well Name	Rees Ranch 6-19
Doc ID	1155394

Tops

Name	Top	Datum
Base Anhydrite	2349	+834
Heebner	3952	-769
Toronto	3976	-793
Lansing	4005	-822
Muncie creek	4204	-1021
Stark Shale	4309	-1128
Hushpuckney	4361	-1178
Base Kansas City	4456	-1273
Marmaton	4489	-1306
Pawnee	4550	-1367
Ft Scott	4609	-1426
Cherokee Shale	4623	-1440
Morrow	4840	-1657
Mississippisn	2928	-1745

ALLIED OIL & GAS SERVICES, LLC 060731

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley

DATE <u>7/6/13</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 PM</u>	JOB FINISH <u>1:45 PM</u>
LEASE <u>Rees Ranch</u>	WELL # <u>6-19</u>	LOCATION <u>Marionthal 6S-3/4W</u>			COUNTY <u>Wichita</u>	STATE <u>Ko.</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)			C <u>Sinto</u>				

CONTRACTOR <u>H2 #1</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production 2 Stage, Top</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5250</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4683.63'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV</u>	DEPTH <u>2874.39'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>68.41</u>	
EQUIPMENT	

PUMP TRUCK CEMENTER <u>Dawn Rood</u>	<u>Gilsonite 2500'</u>	@ <u>.98</u>	\$ <u>2450.00</u>
# <u>120-431</u> HELPER <u>Tyler Fliose</u>	<u>Floral 125'</u>	@ <u>2.27</u>	\$ <u>371.35</u>
BULK TRUCK		@	
# <u>566-58</u> DRIVER <u>David Scaviano</u>		@	
BULK TRUCK		@	
# <u>1373-308</u> DRIVER <u>DT Gray</u>		@	
HANDLING <u>615.66 CF</u>		@ <u>2.45</u>	\$ <u>1526.84</u>
MILEAGE <u>2453 X 65 X</u>		@ <u>2.00</u>	\$ <u>4145.57</u>
TOTAL			\$ <u>16468.66</u>

REMARKS:
Plug mousehole 15 SKs Cement
Plug RatHole 130 SKs Cement
mix 455 SKs on casing
Displace with water
Label Plus 1850' Lift 1000'
Float Hold Cement Did Circulate

Thank You.

CHARGE TO: SDOCO LLC.

TREET _____

CITY _____ STATE _____ ZIP _____

We, 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 Gary Dale

SIGNATURE Gary Dale

SERVICE

DEPTH OF JOB <u>2874.39'</u>	
PUMP TRUCK CHARGE	\$ <u>2406.25</u>
EXTRA FOOTAGE	@ _____
MILEAGE	@ _____
MANIFOLD	@ _____
	@ _____
	@ _____
TOTAL	

PLUG & FLOAT EQUIPMENT

	@ _____
	@ _____
	@ _____
	@ _____
	@ _____
TOTAL	

SALES TAX (If Any) _____

TOTAL CHARGES 18,874.91

DISCOUNT 4,341.22 IF PAID IN 30 DAYS

14,533.68 Net.

5 1/2" Production Casing Set

Contractor: H2 Drilling Co. (Rig #1)

Commenced: May 6, 2013

Completed: May 15, 2013

Elevation: 3183' K.B.; 3181' D.F.; 3172' G.L.

Casing program: Surface; 8 5/8" @ 350'
Production; 5 1/2" @ 3180'

Sample: Samples saved and examined 3800' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 3800 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; Array Induction Shallow Focused Electric Log, Compact Photo Density Compensated Neutron Log, Micro Log and Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Base Anhydrite	2347	+836
Heebner	3962	-779
Toronto	3983	-800
Lansing	4011	-828
Muncie Creek	4214	-1031
Stark Shale	4325	-1142
Hush Puckney	4376	-1193
Base Kansas City	4467	-1253
Marmaton	4492	-1309
Pawnee	4555	-1372
Ft Scott	4601	-1418
Cherokee Shale	4648	-1465
Johnson Zone	4737	-1554
Morrow Shale	4848	-1665
Mississippian	4951	-1768
Rotary Total Depth	5250	-2067
Log Total Depth	5254	-2071

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

4506-4520' Limestone; as above.
 4493-4499' Limestone; tan, cream, finely crystalline, oolitic, chalky, poor visible porosity, light brown spotty stain, no show of free oil and no odor in fresh samples.

MARMATON SECTION

4441-4454' Limestone; cream, tan, finely oolitic, chalky, poorly developed, trace brown stain, no free oil and no odor.
 4380-4410' Limestone; tan, finely crystalline, few fossiliferous, poor pinpoint porosity, trace light brown stain, no free oil and no odor.
 4350-4370' Limestone; tan, brown, finely crystalline, slightly cherty, poor porosity, no shows.
 4332-4340' Limestone; cream, tan, oolitic, oomoldic, poorly developed oomoldic porosity, no shows.
 4300-4314' Limestone; tan, oolitic, oomoldic, fair oomoldic porosity, trace spotty stain, no show of free oil and no odor.
 4275-4292' Limestone; tan, brown finely crystalline, fossiliferous, slightly cherty, no shows.
 4260-4274' Limestone; cream, tan, finely crystalline, poor scattered porosity, trace spotty brown stain, no free oil and no odor.
 4229-4231' Limestone; cream, tan, buff, finely crystalline, oolitic, few oomoldic.
 4140-4160' Limestone; cream, white, finely crystalline, oolitic, poor intercrystalline porosity, trace black stain, no free oil and questionable odor in fresh samples.
 4109-4130' Limestone; tan, cream, finely crystalline, few fossiliferous, poorly developed porosity, trace light brown stain, no show of free oil and no odor.
 4060-4090' Limestone; cream, finely crystalline, chalky, poor visible porosity, no shows.
 4043-4047' Limestone; cream, gray, finely crystalline, fossiliferous, poor porosity, trace stain, no free oil and no odor.
 4206-4036' Limestone; cream, tan, finely crystalline, poor visible porosity, cherty, questionable stain, no free oil and no odor in fresh samples.
 4016-4021' Limestone; tan, buff, finely crystalline, few oolitic, fossiliferous, chalky, no shows.

Drill Stem Test #1 4484-4536

Times: 30-30-30-45

Blow: Weak

Recovery: 3' mud

Pressures: ISIP 239 psi

FSIP 304 psi

IFF 27-40 psi

FFP 22-88 psi

HSH 2335-2243 psi

PAWNE SECTION

4555-4582

Limestone; tan, cream, oolitic, finely crystalline, poor visible porosity, cherty, questionable stain.

FT SCOTT SECTION

4601-4610

Limestone; tan, brown, finely crystalline, oolitic, cherty, poor visible porosity, trace light brown stain, no free oil and no odor in fresh samples.

4630-4636

Limestone; brown, finely crystalline, fossiliferous, poor visible porosity, questionable stain, no free oil and no odor.

CHEROKEE SECTION

4643'4656'

Limestone; tan, cream, finely crystalline, oolitic, poor pinpoint porosity, chalky, trace stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #2

4610-4656'

Times: 30-30-30-30

Blow: Weak

Recovery: 3' mud

Pressures: ISIP 40 psi

FSIP 134 psi

IFF 28-30 psi

FFP 28-28 psi

HSH 2290-2196 psi

JOHNSON ZONE SECTION

4737-4757

Limestone; brown, finely crystalline, fossiliferous, trace poor light brown stain, no show of free oil and questionable odor in fresh samples.

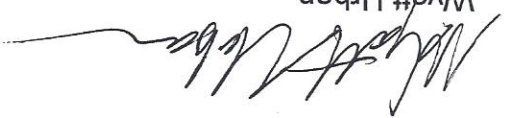
MISSISSIPPIAN SECTION

Rotary Total Depth	Log Total Depth
4951-4971'	4850
4971-5000'	4853
Limestone; cream, white, finely crystalline, poor intercrystalline type porosity, no shows.	
Limestone; as above, sandy in part.	
4971-5000'	
Limestone, white, cream and tan, chalky, trace sand, white, very fine grained, no shows.	
5040-5080'	
Limestone; tan, cream, finely crystalline, chalky, poor visible porosity, no shows.	
5080-5100'	
Limestone; cream, tan, finely crystalline, chalky, few cherty, no shows.	
5100-5140'	
Limestone; tan, oolitic, finely crystalline, poor intercrystalline porosity, scattered black and green shale.	
5140-5170'	
Limestone; as above, trace sand, very fine grained, white, scattered porosity, no shows.	
5170-5185'	
Limestone; tan, cream, finely crystalline, dolomitic, no shows.	
5185-5205'	
Limestone; tan, fine, dense, plus gray, tan, sucrosic, dolomitic, and dolomite limestone.	
5205-5250'	
Dolomite and limestone; as above, no shows.	

Recommendations:

5 1/2" disposal casing was set and cemented, for use as a shallow disposal well.

Respectfully submitted;


Wyatt Urban,
Petroleum Geologist



DRILL STEM TEST REPORT

Prepared For: **SDOCO**

PO Box 369
Littleton, CO 80160

ATTN: Kurt Talbot

Rees Ranch #6-19

19-19s-35w Wichita,KS

Start Date: 2013.07.02 @ 20:25:09

End Date: 2013.07.03 @ 03:17:03

Job Ticket #: 49219
DST #: 1

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

DRILL STEM TEST REPORT



SDCOO
 PO Box 369
 Littleton, CO 80160
 ATTN: Kurt Talbott

19-19s-35w Wichita, KS
 Rees Ranch #6-19
 Job Ticket: 49219
 DST#: 1
 Test Start: 2013.07.02 @ 20:25:09

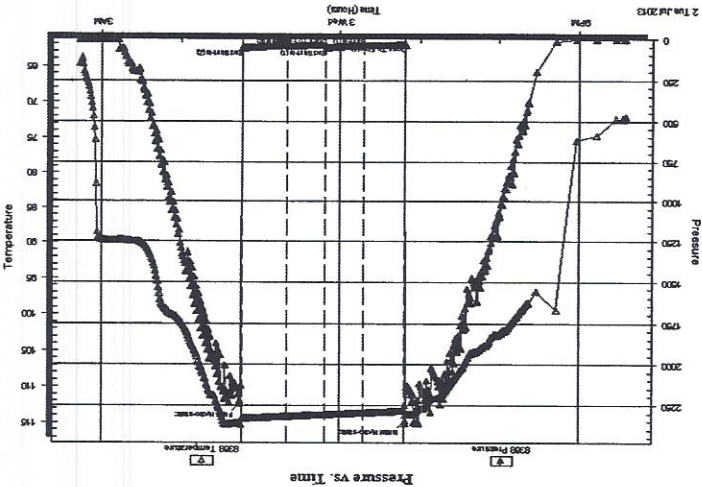
GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No
 Whipstock: No
 Time Tool Opened: 23:11:04
 Time Test Ended: 03:17:03
 Interval: 4480.00 ft (KB) To 4508.00 ft (KB) (TVD)
 Total Depth: 4508.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inchesHole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3183.00 ft (KB)
 3172.00 ft (CF)
 11.00 ft
 KB to GR/CF:

Serial #: 8368
 Outside
 Press@RunDepth: 39.31 psig @ 4481.00 ft (KB)
 Start Date: 2013.07.02
 End Time: 20:25:09
 Start Time: 03:17:03

Capacity: 8000.00 psig
 Last Calib.: 2013.07.03
 Time On Btm: 2013.07.02 @ 23:10:49
 Time Off Btm: 2013.07.03 @ 01:15:34

TEST COMMENT: Weak blow died in 3 min.
 No return
 No blow
 No return



PRESSURE SUMMARY

Annotation	Temp (deg F)	Pressure (psig)	Time (Min.)
Initial Hydro-static	113.96	2345.24	0
Open To Flow (1)	112.67	36.59	1
Shut-In(1)	113.67	38.95	31
End Shut-In(1)	113.92	55.17	60
Open To Flow (2)	113.91	37.85	61
Shut-In(2)	114.15	39.31	90
End Shut-In(2)	114.45	55.01	124
Final Hydro-static	115.08	2235.94	125

Gas Rates

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100%m	0.01

DRILL STEM TEST REPORT



SDCOO
 PO Box 369
 Littleton, CO 80160
 ATTN: Kurt Talbott

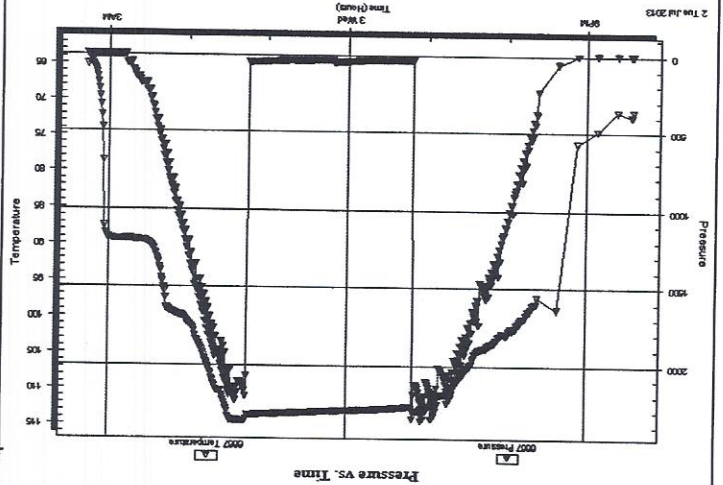
19-19s-35w Wichita, KS
 Rees Ranch #6-19
 Job Ticket: 49219
 DST#: 1
 Test Start: 2013.07.02 @ 20:25:09

GENERAL INFORMATION:

Formation: Marmaton
 Deviated: No Whipstock:
 Time Tool Opened: 23:11:04
 Time Test Ended: 03:17:03
 Interval: 4480.00 ft (KB) To 4508.00 ft (KB) (TVD)
 Total Depth: 4508.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inchesHole Condition: Fair
 Serial #: 6667
 Inside
 Press@RunDepth: psig @ 4481.00 ft (KB)
 Start Date: 2013.07.02
 End Time: 20:25:30
 Start Time: 03:17:15
 Capacity: 8000.00 psig
 Last Callb.: 2013.07.03
 Time On Blm: 03:17:15
 Time Off Blm: 2013.07.03
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3183.00 ft (KB)
 3172.00 ft (CF)
 11.00 ft
 KB to GR/CF:

TEST COMMENT: Weak blow died in 3 min.
 No return
 No blow
 No return

PRESSURE SUMMARY



Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

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



RILOBITE
TESTING, INC.

SDCOO
PO Box 369
Littleton, CO 80160
ATTN: Kurt Talbott

19-19s-35w Wichita, KS
Rees Ranch #6-19
Job Ticket: 49219
DST#: 1
Test Start: 2013.07.02 @ 20:25:09

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tool Information

Drill Pipe: Length: 4117.00 ft Diameter: 3.80 inches Volume: 57.75 bbl
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
 Drill Collar: Length: 373.00 ft Diameter: 2.25 inches Volume: 1.83 bbl
 Drill Pipe Above KB: 30.00 ft
 Depth to Top Packer: 4480.00 ft
 Depth to Bottom Packer: 28.00 ft
 Interval between Packers: 48.00 ft
 Tool Length: 48.00 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	4461.00			
Shut In Tool	5.00	4466.00			
Hydraulic tool	5.00	4471.00			
Packer	5.00	4476.00		20.00	Bottom Of Top Packer
Packer	4.00	4480.00			
Stub	1.00	4481.00			
Recorder	0.00	4481.00	6667	Inside	
Recorder	0.00	4481.00	8368	Outside	
Perforations	22.00	4503.00			
Bullnose	5.00	4508.00			
Total Tool Length:	48.00				28.00 Bottom Packers & Anchor



TRIOBITE
TESTING, INC.

SDCOO
PO Box 369
Littleton, CO 80160

ATTN: Kurt Talbott

19-19s-35w Wichita, KS
Rees Ranch #6-19
Job Ticket: 49219
DST#: 1
Test Start: 2013.07.02 @ 20:25:09

FLUID SUMMARY

DRILL STEM TEST REPORT

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.18 in³
Resistivity: 0.00 ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type: Oil API
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: Gas
Gas Cushion Pressure: psig
Water Salinity: 0 ppm
0 deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100% m	0.015

Total Length: 3.00 ft
Total Volume: 0.015 bbl
Num Fluid Samples: 0
Lab Name: Laboratory Location:
Serial #: 0

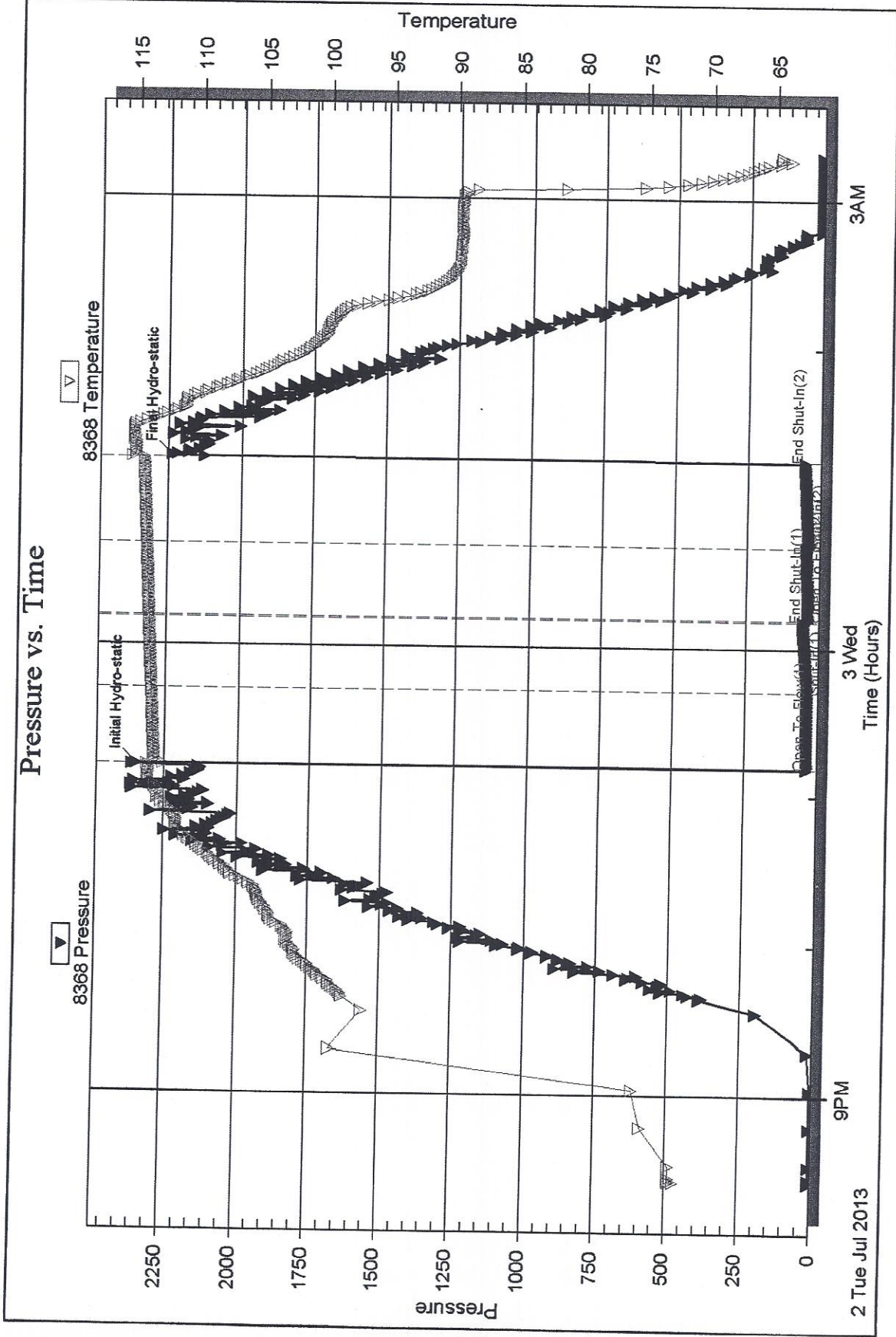
Recovery Comments:

Serial #: 8368

Outside SDOCO

Rees Ranch #6-19

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 49219

Printed: 2013.07.08 @ 15:59:35

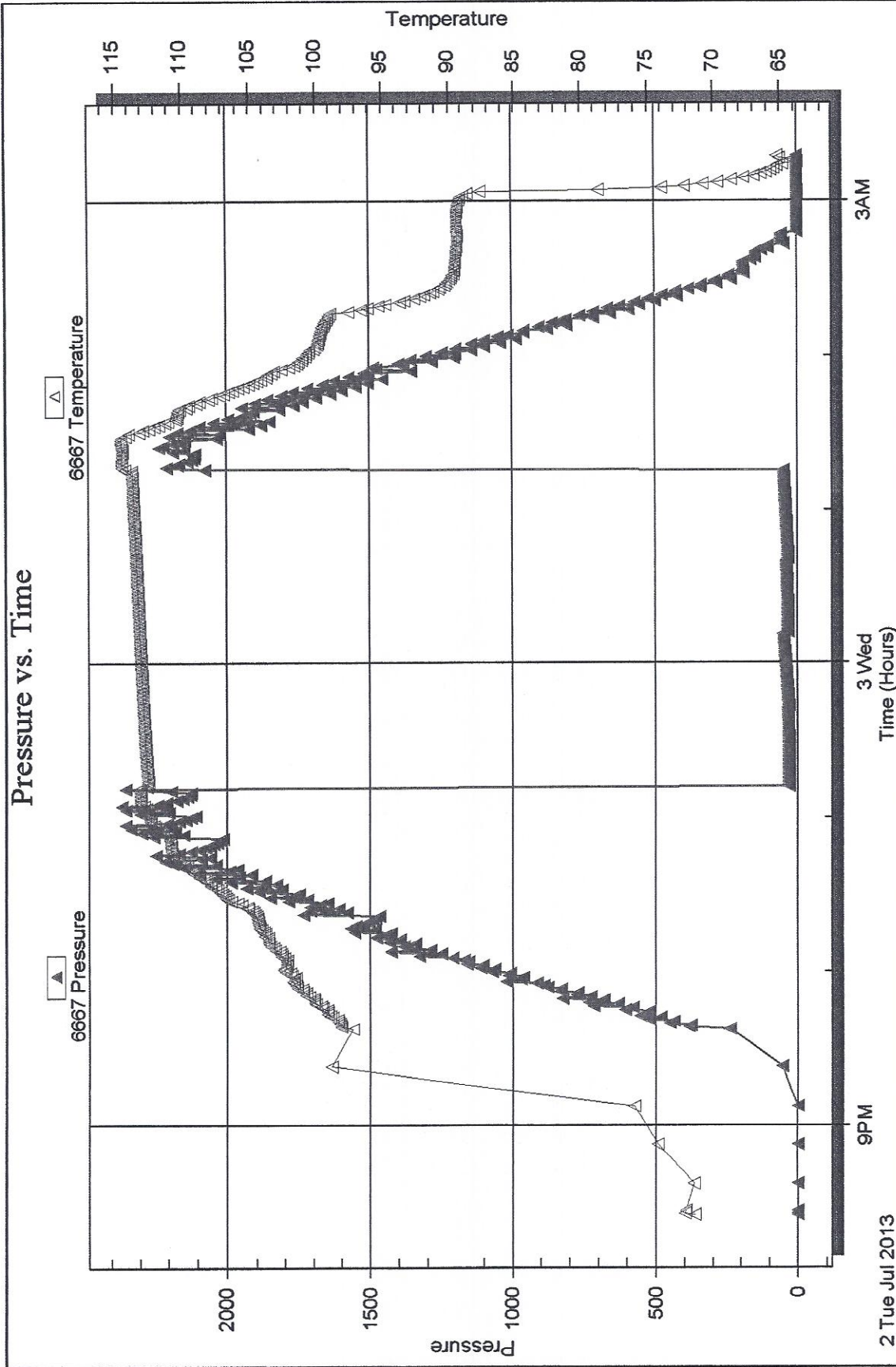
Serial #: 6667

Inside

SD000

Rees Ranch #6-19

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 49219

Printed: 2013.07.08 @ 15:59:36



DRILL STEM TEST REPORT

Prepared For: **SDOCO**

PO Box 369
Littleton, CO 80160

ATTN: Kurt Talbott

Rees Ranch #6-19

19-19s-35w Wichita,KS

Start Date: 2013.07.03 @ 09:20:54

End Date: 2013.07.03 @ 16:51:48

Job Ticket #: 49220
DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.08 @ 15:58:54

DRILL STEM TEST REPORT



SDCO
PO Box 369
Littleton, CO 80160
ATTN: Kurt Talbott

19-19s-35w Wichita, KS
Rees Ranch #6-19
Job Ticket: 49220
DST#: 2
Test Start: 2013.07.03 @ 09:20:54

GENERAL INFORMATION:

Formation: marmaton
Deviated: No
Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55
Interval: 4504.00 ft (KB) To 4520.00 ft (KB) (TVD)
Total Depth: 4520.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches/Hole Condition: Fair
Reference Elevations: 3183.00 ft (KB)
3172.00 ft (CF)
11.00 ft
KB to GR/CF:

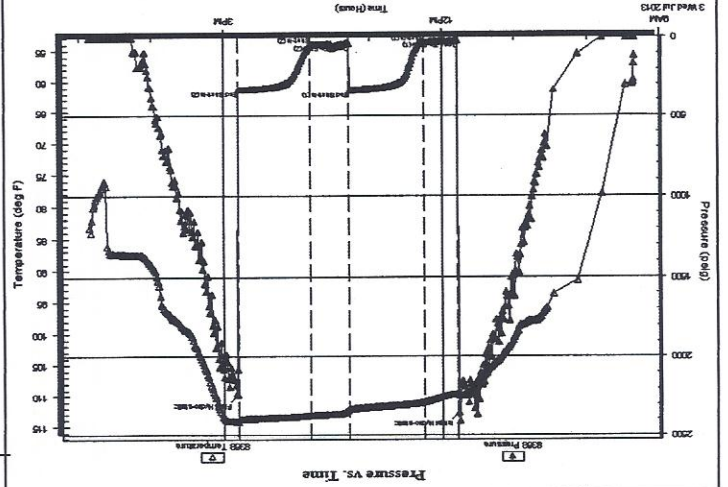
TEST COMMENT:

1/8" blow
No return
No blow, flush tool after 15 min. good surge, no blow
No return

Serial #: 8368
Outside
Press@RunDepth: 48.78 psig @ 4505.00 ft (KB)
Start Date: 2013.07.03
End Date: 2013.07.03
Start Time: 09:20:54
End Time: 16:51:48
Capacity: 8000.00 psig
Last Callb.: 2013.07.03
Time On Btm: 2013.07.03 @ 11:46:34
Time Off Btm: 2013.07.03 @ 14:49:04

PRESSURE SUMMARY

Annotation	Pressure (psig)	Time (Min.)
Initial Hydro-static	110.00	0
Open To Flow (1)	109.17	1
Shut-In (1)	110.97	29
End Shut-In (1)	112.11	91
Open To Flow (2)	112.00	91
Shut-In (2)	113.15	123
End Shut-In (2)	113.78	182
Final Hydro-static	114.25	183



Recovery

Length (ft)	Description	Volume (bbl)
20.00	vsocm 5%o 95% m	0.10

Trilobite Testing, Inc

Ref. No: 49220

Printed: 2013.07.08 @ 15:58:55

Gas Rates

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

DRILL STEM TEST REPORT



SDCOO
 PO Box 369
 Littleton, CO 80160
 ATTN: Kurt Talbott

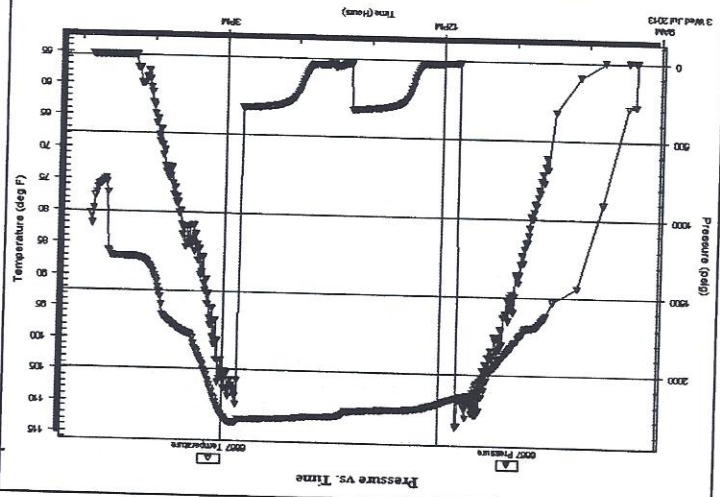
19-19s-35w Wichita, KS
 Rees Ranch #6-19
 Job Ticket: 49220
 DST#: 2
 Test Start: 2013.07.03 @ 09:20:54

GENERAL INFORMATION:

Formation: **maraton**
 Deviated: No Whipstock:
 Time Tool Opened: 11:47:04
 Time Test Ended: 16:51:48
 Interval: 4504.00 ft (KB) To 4520.00 ft (KB) (TVD)
 Total Depth: 4520.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inchesHole Condition: Fair
 Serial #: 6667
 Inside
 Press@RunDepth: psig @ 4505.00 ft (KB)
 Start Date: 2013.07.03
 Start Time: 09:20:18
 End Date: 2013.07.03
 End Time: 16:51:03
 Capacity: 8000.00 psig
 Last Callb.:
 Time On Btm: 2013.07.03
 Time Off Btm: 2013.07.03

TEST COMMENT: 1/8" blow
 No return
 No blow, flush tool after 15 min. good surge, no blow
 No return

PRESSURE SUMMARY



Recovery

Length (ft)	Description	Volume (bbl)
20.00	vsocm 5% o 95% m	0.10

* Recovery from multiple tests

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)

DRILL STEM TEST REPORT		TOOL DIAGRAM		
<p>SDPOC PO Box 369 Littleton, CO 80160 ATTN: Kurt Talbott Test Start: 2013.07.03 @ 09:20:54</p>		<p>19-19s-35w Wichita, KS Rees Ranch #6-19 Job Ticket: 49220 DST#: 2</p>		
<p>TOOL INFORMATION</p> <p>Drill Pipe: Length: 4117.00 ft Diameter: 3.80 inches Volume: 57.75 bbl Tool Weight: 1500.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Drill Collar: Length: 373.00 ft Diameter: 2.25 inches Volume: 1.83 bbl Weight to Pull Loose: 85000.00 lb Drill Pipe Above KB: 6.00 ft Depth to Top Packer: 4504.00 ft Depth to Bottom Packer: ft Interval between Packers: 16.00 ft Tool Length: 36.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments:</p>				
Tool Description	Length (ft)	Serial No.	Position	Depth (ft) Accum. Lengths
Change Over Sub	1.00			4485.00
Shut in Tool	5.00			4490.00
Hydraulic tool	5.00			4495.00
Packer	5.00			4500.00
Bottom Of Top Packer				
Packer	4.00			4504.00
Stub	1.00			4505.00
Recorder	0.00	6667	Inside	4505.00
Recorder	0.00	8368	Outside	4505.00
Perforations	10.00			4515.00
Bullnose	5.00			4520.00
<p>Total Tool Length: 36.00</p> <p>Bottom Packers & Anchor 16.00</p>				



DRILL STEM TEST REPORT

SDOCO
 PO Box 369
 Littleton, CO 80160
 ATTN: Kurt Talbott
 19-19s-35w Wichita, KS
 Rees Ranch #6-19
 Job Ticket: 49220
 DST#: 2
 Test Start: 2013.07.03 @ 09:20:54

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 50.00 sec/qt
 Water Loss: 8.77 in³
 Resistivity: 0.00 ohm.m
 Salinity: 5500.00 ppm
 Filter Cake: 1.00 inches
 Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig
 Oil API: 0 deg API
 Water Salinity: 0 ppm

Recovery Information

Recovery Table

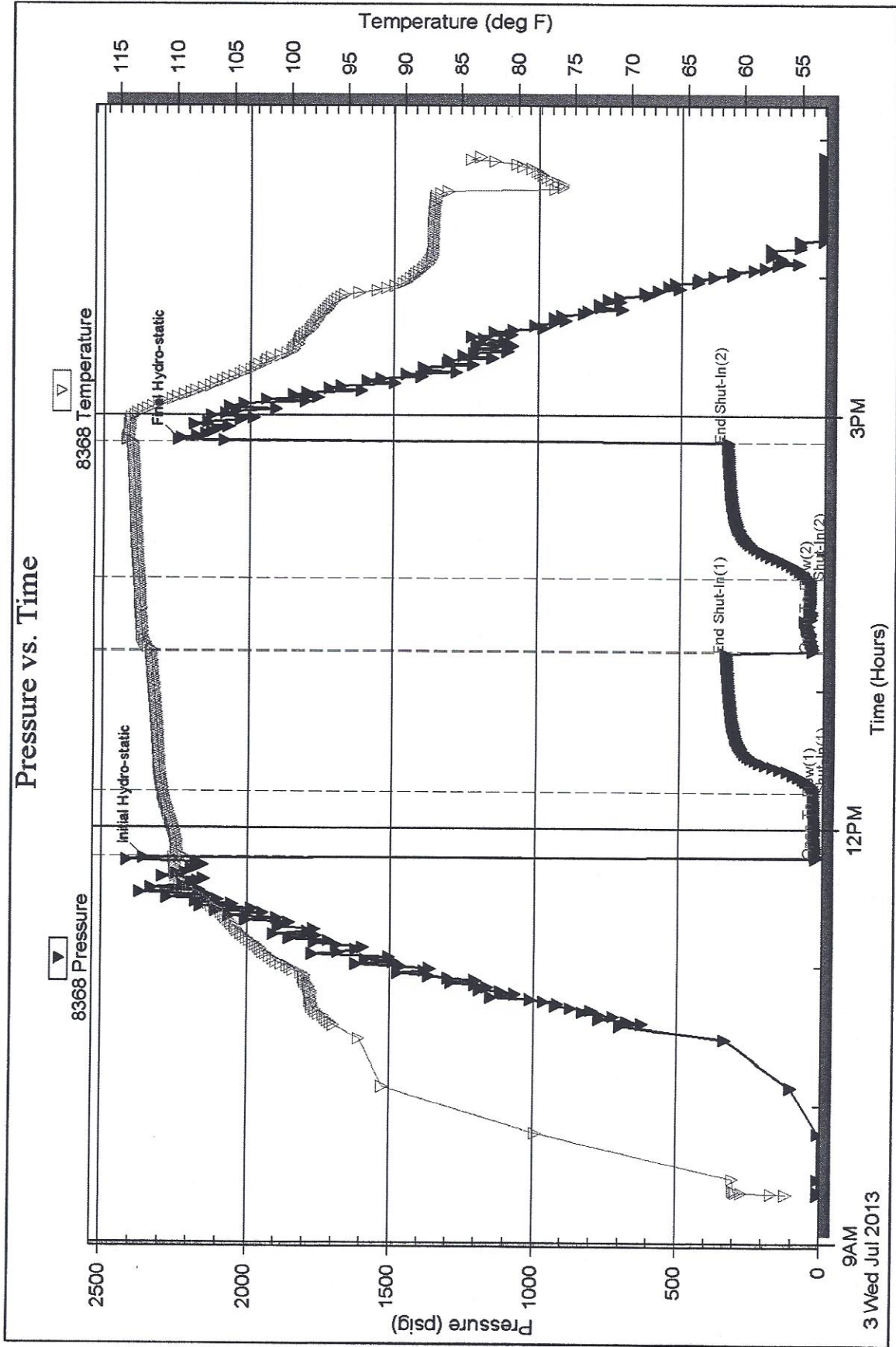
Length ft	Description	Volume bbl
20.00	vsocm 5% 0.95% m	0.098
Total Length: 20.00 ft		Total Volume: 0.098 bbl
Num Fluid Samples: 0		Num Gas Bombs: 0
Laboratory Name:		Laboratory Location:
Recovery Comments:		Serial #:

DST Test Number: 2

Rees Ranch #6-19

Serial #: 8368 Outside SDOCO

Pressure vs. Time



3 Wed Jul 2013 9AM

Printed: 2013.07.08 @ 15:58:57

Ref. No: 49220

Trilobite Testing, Inc

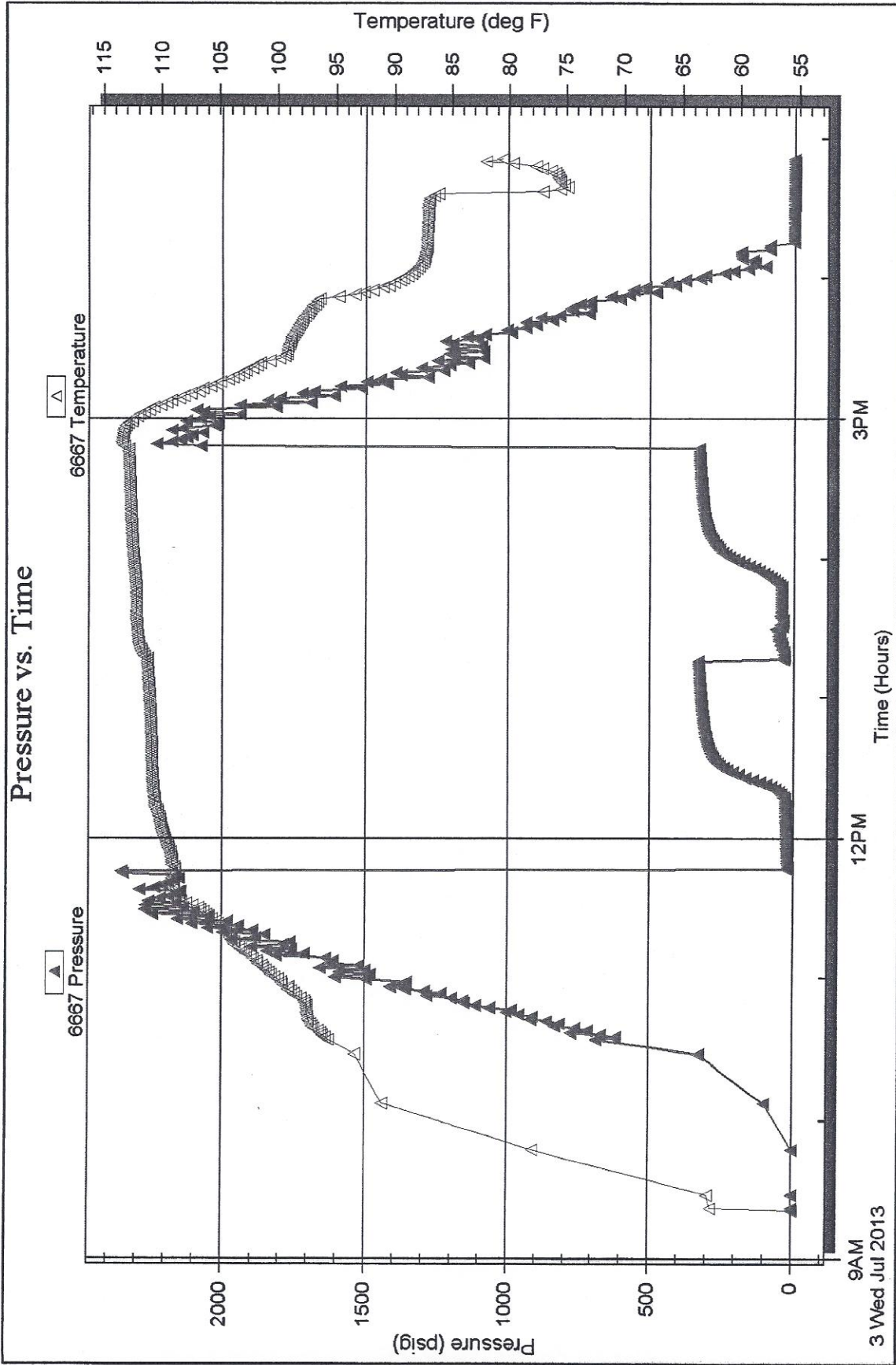
Serial #: 6667

Inside

SDOCO

Rees Ranch #6-19

DST Test Number: 2

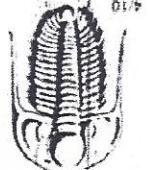


3 Wed Jul 2013

9AM

12PM

3PM



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket
NO. 51774

Well Name & No.	Rees Ranch # 6-19
Company	SDCOO LLC
Address	POB 369 Kithron, CO 80160
Co. Rep / Geo.	Gary Duke
Location: Sec.	19
Twp.	19
Rge.	35
Co.	Wichita
State	Ks
Test No.	
Date	7-4-13
Elevation	
KB	
GL	

Interval Tested	Zone Tested
Anchor Length	Drill Pipe Run
Top Packer Depth	Drill Collars Run
Bottom Packer Depth	Wt. Pipe Run
Total Depth	Chlorides ppm System
Blow Description	LCM

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	Feet of	%gas	%oil	%water	%mud

Rec Total	BHT	Gravity	API RW	@	F Chlorides	ppm
(A) Initial Hydrostatic	Test	Jars	Safety Joint	Circ Sub	Hourly Standby	Mileage
(B) First Initial Flow	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(H) Final Hydrostatic	Initial Open
(C) First Final Flow	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(G) Final Shut-In	Initial Shut-In
(D) Initial Shut-In	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(F) Final Shut-In	Final Flow
(E) Second Initial Flow	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(E) Final Shut-In	Final Shut-In
(F) Second Final Flow	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(D) Final Shut-In	Final Shut-In
(G) Final Shut-In	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(C) Final Shut-In	Final Shut-In
(H) Final Hydrostatic	Initial Shut-In	Second Initial Flow	Second Final Flow	Final Shut-In	(B) Final Shut-In	Final Shut-In

MP/DST Disc't	Total	77.50
Sub Total	0	
Extra Copies	0	
Extra Recorder		
Extra Packer		
Shale Packer		
Ruined Shale Packer		
Ruined Packer		
Straddle		
Sampler		
Hourly Standby	50 RT	77.50
Mileage		
Sub Total		
Total		77.50

Approved By: *Chuck Smith*

Our Representative

Triobite Testing Inc. shall not be liable for damaged or personnel of any kind of the property or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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

October 15, 2013

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

Re: ACO1
API 15-203-20223-00-00
Rees Ranch 6-19
NW/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