



KANSAS CORPORATION COMMISSION 1048660
OIL & GAS CONSERVATION DIVISION

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 # 33168
Name: Woolsey Operating Company, LLC
Address 1: 125 N MARKET STE 1000
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 1729
Contact Person: DEAN PATTISSON
Phone: (316) 267-4379
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: BILLY KLAVER
Purchaser: BLUESTEM GAS MKTG / PLAINS MKTG

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: Western Oil Fields
Well Name: Stemberger 6
Original Comp. Date: 01/08/1970 Original Total Depth: 4950
 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 #: _____

<u>09/01/2010</u>	<u>09/08/2010</u>	<u>10/26/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-20138-00-01
Spot Description: Apx NE SW NE (irregular section)
NE_NE_SW_NE Sec. 14 Twp. 35 S. R. 14 East West
1408 Feet from North / South Line of Section
1636 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barber
Lease Name: SNYDER-BROOKS Well #: 1 OWWO
Field Name: _____
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 1521 Kelly Bushing: 1528
Total Depth: 5710 Plug Back Total Depth: 5394
Amount of Surface Pipe Set and Cemented at: 418 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: 48000 ppm Fluid volume: 1800 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: 12/30/2010
 Confidential Release Date: 12/29/2012
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 01/05/2011



1048660

Operator Name: Woolsey Operating Company, LLC Lease Name: SNYDER-BROOKS Well #: 1 OWWO

Sec. 14 Twp. 35 S. R. 14 East West County: Barber

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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i></p> <p>List All E. Logs Run: Attached</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>KINDERHOOK</td> <td>5230</td> <td>-3702</td> </tr> <tr> <td>VIOLA</td> <td>5380</td> <td>-3852</td> </tr> <tr> <td>SIMPSON</td> <td>5477</td> <td>-3949</td> </tr> <tr> <td>ARBUCKLE</td> <td>5643</td> <td>-4115</td> </tr> </tbody> </table>	Name	Top	Datum	KINDERHOOK	5230	-3702	VIOLA	5380	-3852	SIMPSON	5477	-3949	ARBUCKLE	5643	-4115
Name	Top	Datum														
KINDERHOOK	5230	-3702														
VIOLA	5380	-3852														
SIMPSON	5477	-3949														
ARBUCKLE	5643	-4115														

CASING RECORD <input checked="" 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
PRODUCTION	7.875	4.5	11.6	5475	60/40 POZ	50	4%GEL, 1/4# CELOFLAKE
PRODUCTION	7.875	4.5	11.6	5475	CLASS H	200	10% sat. 10% Gypscat, 6# Koseal, 1/4#

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	3700-	65/35	650	6% gel
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	-	Class A Neat	50	

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
Attached	Attached	Attached	Attached

TUBING RECORD: Size: <u>2.375</u> Set At: <u>5022</u> Packer At: _____		Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>11/3/2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>7.5</u>	Gas Mcf <u>120</u>	Water Bbls. <u>108</u> Gas-Oil Ratio <u>16000</u> Gravity <u>25</u>

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other (Specify) _____</p>	<p>PRODUCTION INTERVAL:</p> <p><u>4857-4968 OA</u></p>
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Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	SNYDER-BROOKS 1 OWWO
Doc ID	1048660

All Electric Logs Run

Compensated Density/Comp Neutron PE
Dual Induction
Sonic
Micro
Cement Bond log

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	SNYDER-BROOKS 1 OWWO
Doc ID	1048660

Perforations

4	5311-5314 MISENER	500 gal 7.5 % NEFE & 1000 gal 10% NEFE	5311-14
		60% quality foam w/ 18,400 gal wtr, 2510 SCF Nitrogen, 9100# 20/40 Brady sd	5311-14
		CIBP	5390
4	4936-4968, 4908- 4928, 4876-4894 & 4857-4862	3950 gal 10% MIRA acid	4857-4968 OA
	MISSISSIPPIAN	554,900 gal treated 2% KCl wtr, 198,500# 30/70 sd,	
		35,000# 16/30 sd & 15,000# 16/30 resin coated sd	4857-4968 OA

TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5710'
 CASING SIZE 4 1/2 DEPTH 5474'
 TUBING SIZE 4 1/2 DEPTH
 DRILL PIPE DEPTH
 TOOL Regulatory Correspondence DEPTH
 PRES. MAX Comp Workover MINIMUM
 MEAS. LINE Tests / Meters Operations SHOE JOINT 42'
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 84 1/2 bbls of Freshwater 2% KCL

EQUIPMENT

PUMP TRUCK CEMENTER Deryn F.
 # 8771-302 HELPER Ron G
 BULK TRUCK
 # 356-252 DRIVER Joson T
 BULK TRUCK
 # DRIVER

REMARKS:

Pipe on bottom & break circulation
mix 255x of cement for Per hole
mix 505x of scavenger cement, mix
2005x of 19.7 cement, shut down
Wash pump & lines, Release plug
start displacement, lift pressure at
60 bbls, slow rate to 3 bpm at 75
bbls, Bump plug at 84 1/2 bbls
PSI, float 2.2 hold

CHARGE TO: Woolsey Operating
 STREET
 CITY STATE ZIP

To Allied Cementing Co., 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 X MIKE THARP
 SIGNATURE X Mike Tharp

CEMENT
 AMOUNT ORDERED 75 sk 60' 40' 4 1/2 Ge,
1/4 # Flo Seal, 200 sk Class 4 & 1090 Gr,
10% Ssl+, 6 # Kol Seal, .8% Fl 160, 1/4 #
Flo Seal,

COMMON A 45 sk @ 15.45 695.25
 POZMIX 30 sk @ 8.00 240.00
 GEL 3 sk @ 20.00 62.40
 CHLORIDE @
 ASC @
Flo Seal 68.75 @ 2.50 171.88
200 sk H @ 16.75 3350.00
Gy Seal 19 sk @ 29.20 554.80
Salt 22 sk @ 12.00 264.00
Kol Seal 1200 @ .89 1068.00
Fl-160 150.40 @ 13.30 2000.32
KCL 9 Bals @ 31.25 281.25
 HANDLING 349 @ 2.40 837.00
 MILEAGE 319/25/.10 872.50

TOTAL 10,398.00

SERVICE

DEPTH OF JOB 5474'
 PUMP TRUCK CHARGE 2185.00
 EXTRA FOOTAGE @
 MILEAGE 2.5 @ 7.00 175.00
 MANIFOLD @
Hes 2 rent 91 @

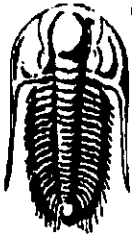
TOTAL 2360.00

PLUG & FLOAT EQUIPMENT

4 1/2
1-DFU Flo Seal shot @ 205.00
1-16 inch Down plug @ 145.00
11-Turbulizers @ 37.80 415.80
15-Scratchers @ 55.00 834.00

TOTAL 1600.00

SALES TAX (If Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Company

Snyder-Brooks #1 OWWO

125 N. Market, Ste. 1000
Wichita, Kansas 67202

14-35s-14w Barber Co

Job Ticket: 36945

DST#: 1

ATTN: Bill Klaver

Test Start: 2010.09.04 @ 01:27:10

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:05:10

Time Test Ended: 10:45:40

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **4954.00 ft (KB) To 4985.00 ft (KB) (TVD)**

Total Depth: 4985.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1528.00 ft (KB)

1520.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 66.46 psig @ 4955.00 ft (KB)

Start Date: 2010.09.04

End Date:

2010.09.04

Start Time: 01:27:11

End Time:

10:45:40

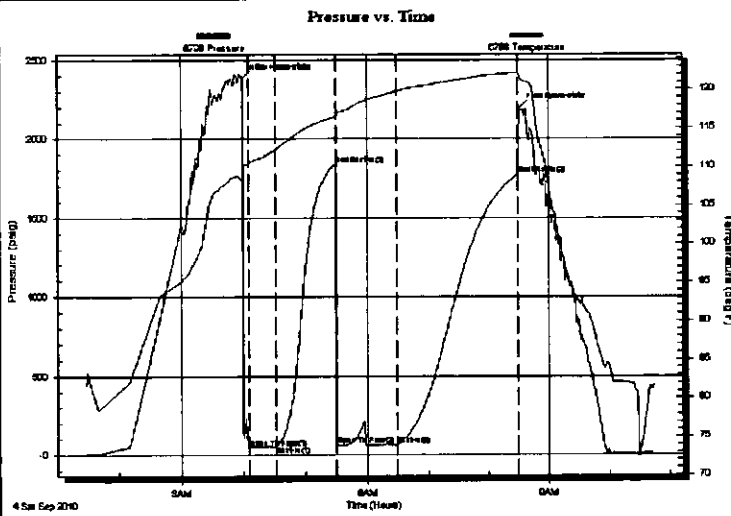
Capacity: 8000.00 psig

Last Calib.: 2010.09.04

Time On Btrm: 2010.09.04 @ 03:59:10

Time Off Btrm: 2010.09.04 @ 08:31:10

TEST COMMENT: IF: Fair blow . Built to 6 1/2".
IS: Very weak surface blow . Dead in 12 mins.
FF: Fair blow . Built to 7".
FS: No blow .



PRESSURE SUMMARY

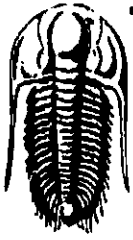
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2389.05	108.34	Initial Hydro-static
6	47.82	110.43	Open To Flow (1)
32	56.90	112.11	Shut-In(1)
90	1841.26	116.45	End Shut-In(1)
91	61.68	116.90	Open To Flow (2)
150	66.46	119.76	Shut-In(2)
271	1773.84	122.14	End Shut-In(2)
272	2200.64	121.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Drilling Mud w/oil specs 100% m	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

Snyder-Brooks #1 OWWO

125 N. Market, Ste. 1000
Wichita, Kansas 67202

14-35s-14w Barber Co

Job Ticket: 36945

DST#: 1

ATTN: Bill Klaver

Test Start: 2010.09.04 @ 01:27:10

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 10.38 in³
Resistivity: 0.00 ohm.m
Salinity: 7000.00 ppm
Filter Cake: 0.21 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Drilling Mud w/oil specs 100%m	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

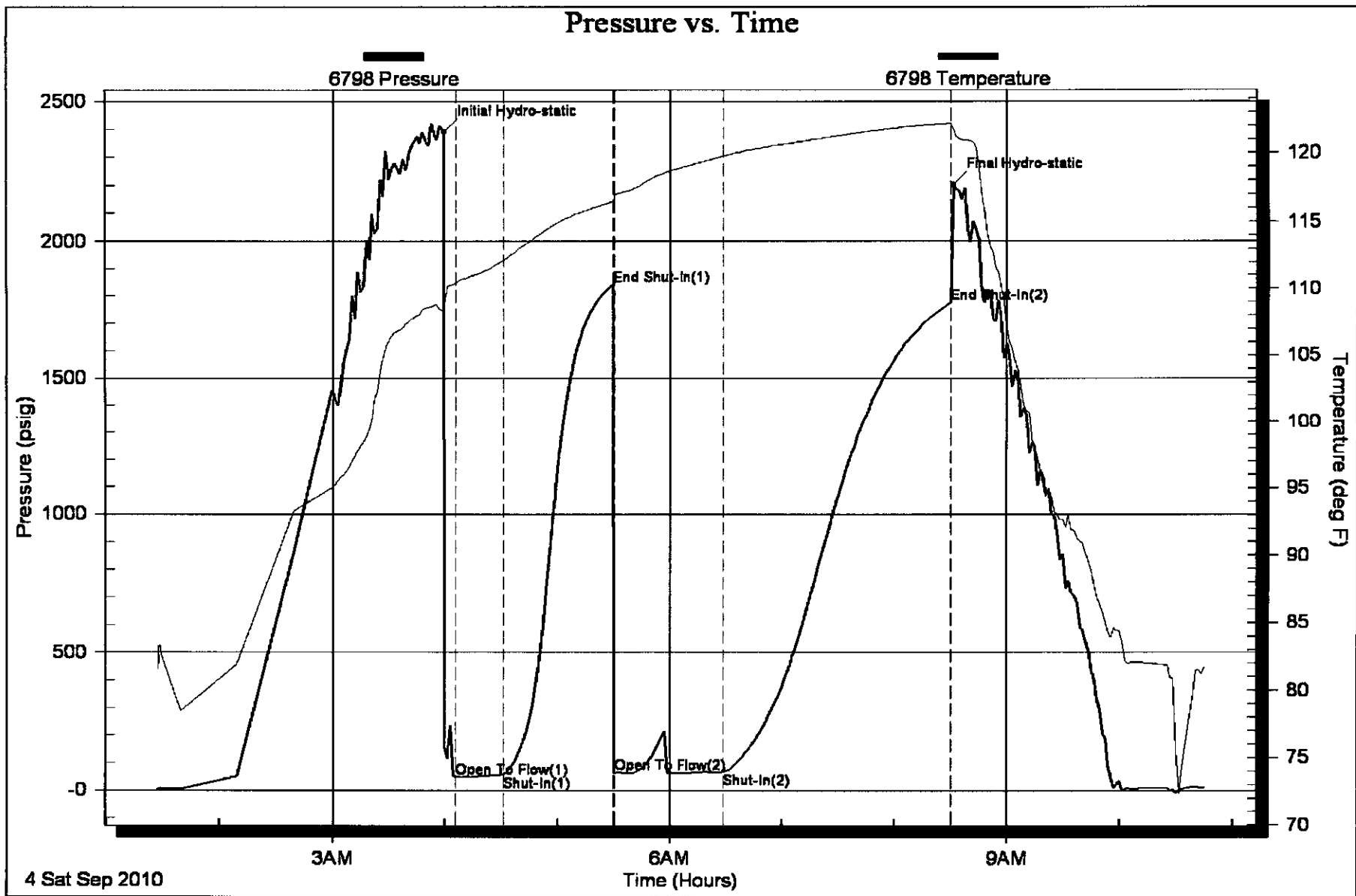
Num Gas Bombs: 0

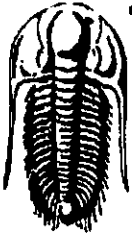
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Company

Snyder-Brooks #1 OWWO

125 N. Market, Ste. 1000
Wichita, Kansas 67202

14-35s-14w Barber Co

Job Ticket: 36946

DST#: 2

ATTN: Bill Klaver

Test Start: 2010.09.05 @ 02:50:29

GENERAL INFORMATION:

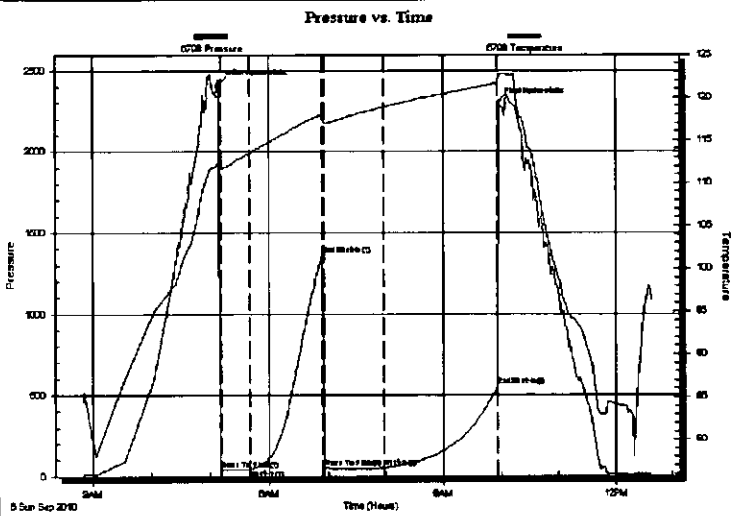
Formation: **Mississippi**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 05:11:29
 Time Test Ended: 12:38:29
 Interval: **4986.00 ft (KB) To 5100.00 ft (KB) (TVD)**
 Total Depth: **5100.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Jerry Adams**
 Unit No: **45**
 Reference Elevations: **1528.00 ft (KB)**
1520.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **51.93 psig @ 4992.00 ft (KB)**
 Start Date: **2010.09.05** End Date: **2010.09.05**
 Start Time: **02:50:30** End Time: **12:38:29**
 Capacity: **8000.00 psig**
 Last Calib.: **2010.09.05**
 Time On Btm: **2010.09.05 @ 05:09:29**
 Time Off Btm: **2010.09.05 @ 09:56:59**

TEST COMMENT: IF:Weak blow . Built to 3/4", decreased to 1/4".
 IS:No blow .
 FF:No blow .
 FS:No blow .



PRESSURE SUMMARY

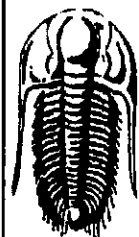
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2419.13	112.37	Initial Hydro-static
2	40.26	111.76	Open To Flow (1)
31	43.49	113.50	Shut-In(1)
105	1363.55	118.00	End Shut-In(1)
107	52.22	117.04	Open To Flow (2)
168	51.93	118.88	Shut-In(2)
287	555.49	121.66	End Shut-In(2)
288	2305.17	122.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud 100% m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

Snyder-Brooks #1 OWWO

125 N. Market, Ste. 1000
Wichita, Kansas 67202

14-35s-14w Barber Co

Job Ticket: 36946

DST#: 2

ATTN: Bill Klaver

Test Start: 2010.09.05 @ 02:50:29

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 15000.00 ppm

Filter Cake: 0.21 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	Drilling Mud 100% _m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

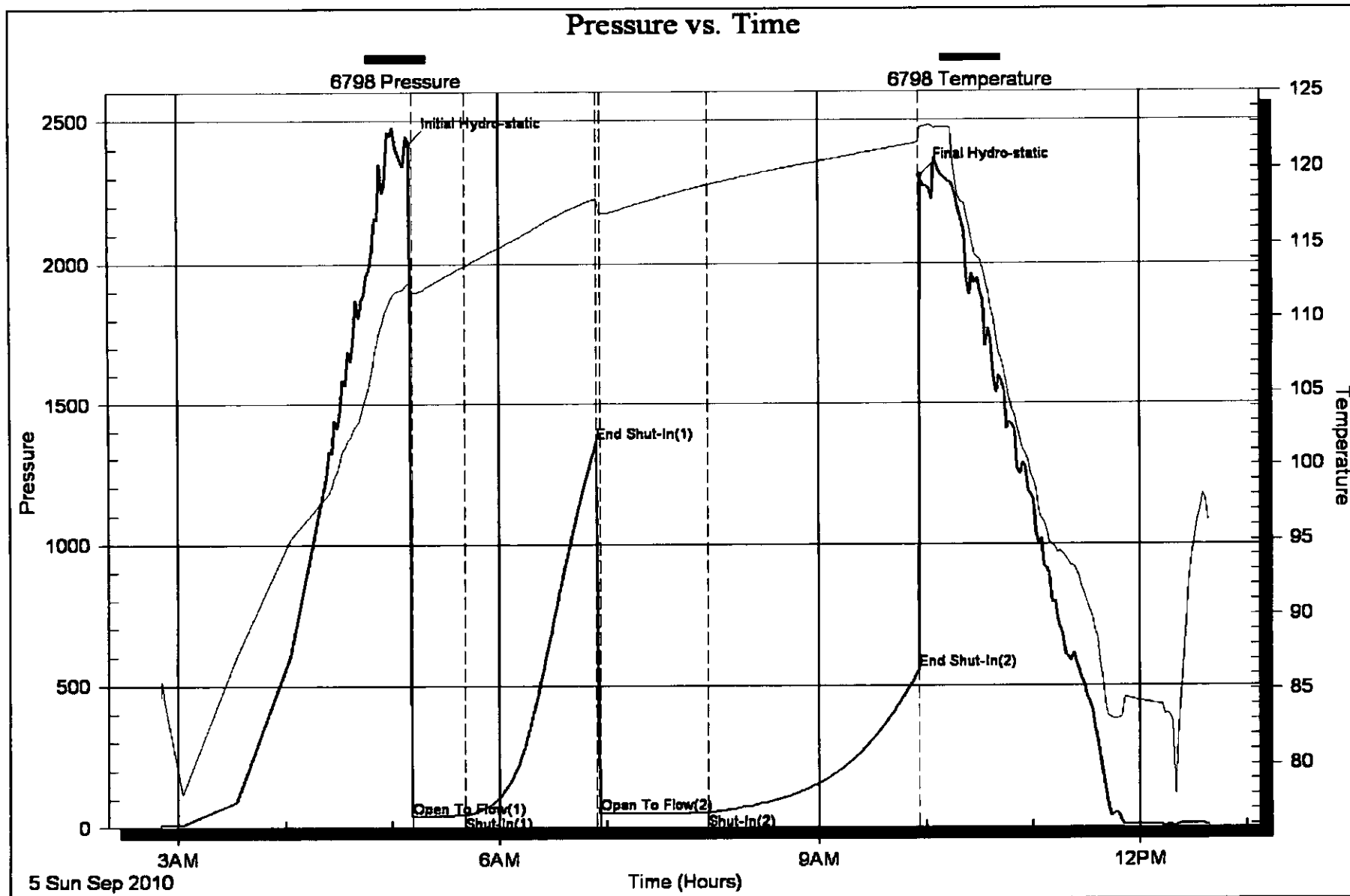
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Company

Snyder-Brooks #1 OWWO

125 N. Market, Ste. 1000
Wichita, Kansas 67202

14-35s-14w Barber Co

Job Ticket: 36947

DST#: 3

ATTN: Bill Klaver

Test Start: 2010.09.06 @ 12:37:31

GENERAL INFORMATION:

Formation: **Misener Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:00:31

Time Test Ended: 22:15:31

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **5221.00 ft (KB) To 5321.00 ft (KB) (TVD)**

Total Depth: 5321.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1528.00 ft (KB)

1520.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press@RunDepth: 37.63 psig @ 5228.00 ft (KB)

Start Date: 2010.09.06

End Date:

2010.09.06

Start Time: 12:37:32

End Time:

22:15:31

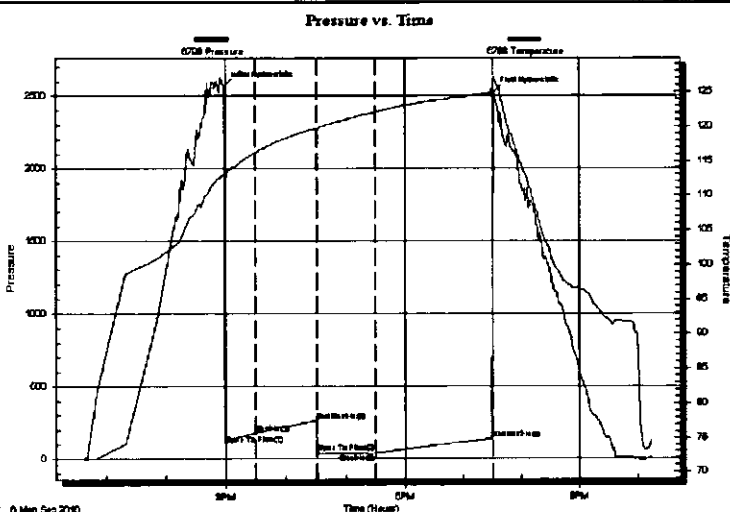
Capacity: 8000.00 psig

Last Calib.: 2010.09.06

Time On Btrc: 2010.09.06 @ 14:59:01

Time Off Btrc: 2010.09.06 @ 19:31:31

TEST COMMENT: IF:Weak blow . Built to 3". Dead in 24 mins.
IS:No blow .
FF:Strong blow . B.O.B. in 20 secs. Decreased to 6".
FS:No blow .



PRESSURE SUMMARY

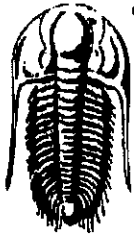
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2570.27	113.07	Initial Hydro-static
2	103.00	112.50	Open To Flow (1)
31	180.55	116.18	Shut-In(1)
92	264.24	119.73	End Shut-In(1)
93	40.83	119.51	Open To Flow (2)
151	37.63	122.07	Shut-In(2)
271	141.40	124.83	End Shut-In(2)
273	2527.73	126.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SGCM 5%g 95%m	0.20
0.00	210' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

Snyder-Brooks #1 OWWO

125 N. Market, Ste. 1000
Wichita, Kansas 67202

14-35s-14w Barber Co

Job Ticket: 36947

DST#: 3

ATTN: Bill Klaver

Test Start: 2010.09.06 @ 12:37:31

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: bbl		
Water Loss: 14.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 17000.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

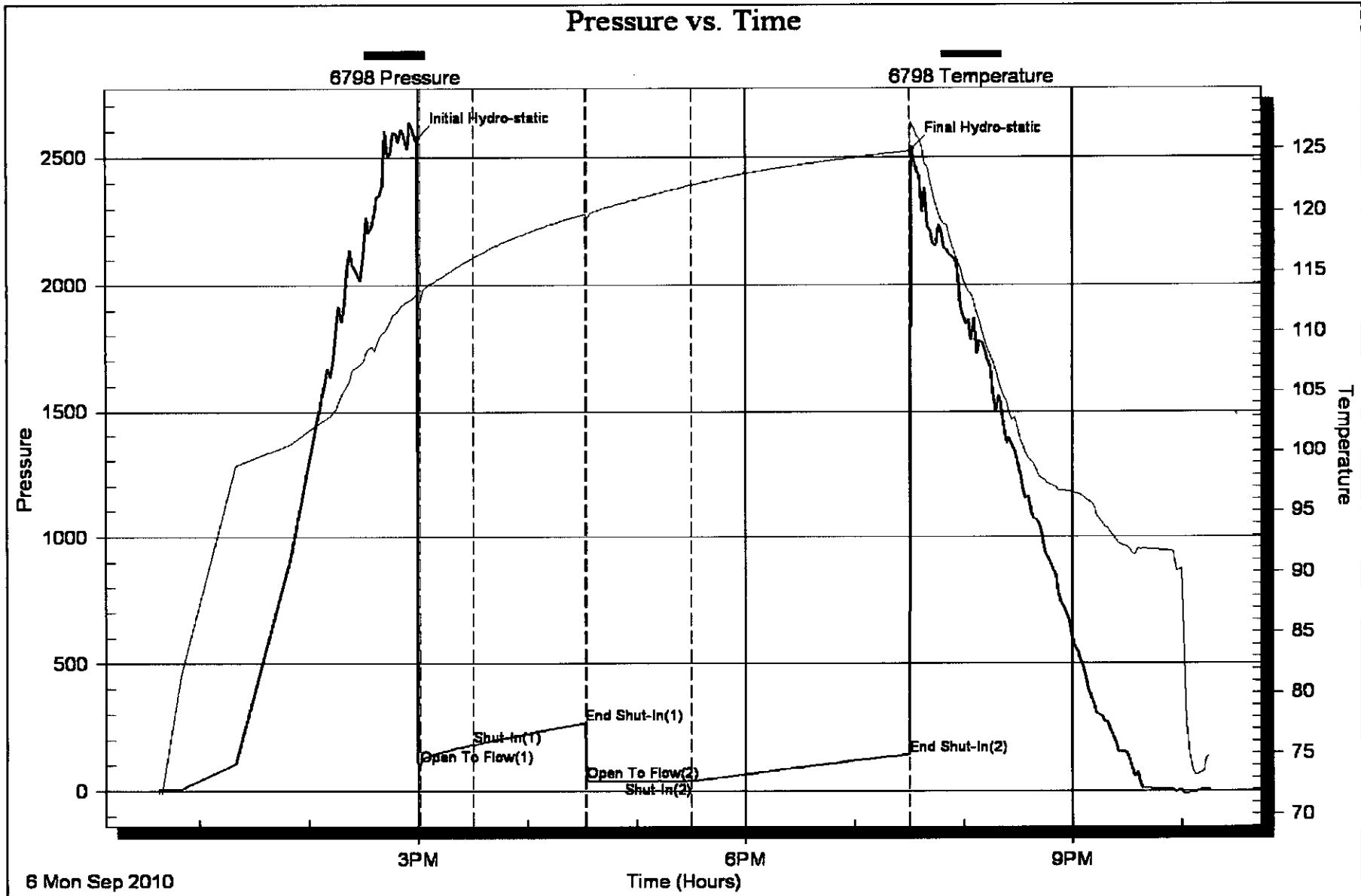
Length ft	Description	Volume bbl
40.00	SGCM 5%g 95%m	0.197
0.00	210' GIP	0.000

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:





*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

December 30, 2010

DEAN PATTISSON
Woolsey Operating Company, LLC
125 N MARKET STE 1000
WICHITA, KS 67202-1729

Re: ACO1
API 15-007-20138-00-01
SNYDER-BROOKS 1 OWWO
NE/4 Sec.14-35S-14W
Barber 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,
DEAN PATTISSON