

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

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 # 32278  
Name: Tengasco, Inc.  
Address 1: PO Box 458  
Address 2: 1327 Moose Rd  
City: Hays State: KS Zip: 67601 + 9744  
Contact Person: Gary Wagner  
Phone: (785) 625-6374  
CONTRACTOR: License # 33493  
Name: American Eagle Drlg LLC  
Wellsite Geologist: Mike Bair  
Purchaser: N/A

API No. 15 - 163-23910-00-00

Spot Description: \_\_\_\_\_  
S2\_N2\_SE\_NE Sec. 3 Twp. 9 S. R. 18  
18 19  East  West  
1,860 Feet from  North /  South Line of Section  
660 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW

County: Rooks

Lease Name: McElhaney A Well #: 2

Field Name: Yohe

Producing Formation: \_\_\_\_\_

Elevation: Ground: 2025 Kelly Bushing: 2032

Total Depth: 3560 Plug Back Total Depth: Surface

Amount of Surface Pipe Set and Cemented at: 265 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: 30000 ppm Fluid volume: 215 bbls

Dewatering method used: Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD  SLOW  
 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  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

ENHR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

12-20-10 1-1-11 1-2-11

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: Gary Wagner

Title: Production Manager Date: 2-15-11

KCC Office Use ONLY

**RECEIVED**

- Letter of Confidentiality Received  
Date: FEB 16 2011
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: PA D.J. Date: 3/1/11

**KCC WICHITA**

Operator Name: Tengasco, Inc. Lease Name: McElhaney A Well #: 2  
 Sec. 3 Twp. 9 S. R. 19 18  East  West County: Rooks

**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 <input checked="" 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 checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Dual Compensated Porosity, Micro</b>	<input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1389</td> <td>+646</td> </tr> <tr> <td>Topeka</td> <td>2953</td> <td>-921</td> </tr> <tr> <td>Heebner</td> <td>3165</td> <td>-1133</td> </tr> <tr> <td>Toronto</td> <td>3185</td> <td>-1153</td> </tr> <tr> <td>LKC</td> <td>3205</td> <td>-1173</td> </tr> <tr> <td>BKC</td> <td>3424</td> <td>-1392</td> </tr> </table>	Name	Top	Datum	Anhydrite	1389	+646	Topeka	2953	-921	Heebner	3165	-1133	Toronto	3185	-1153	LKC	3205	-1173	BKC	3424	-1392
Name	Top	Datum																				
Anhydrite	1389	+646																				
Topeka	2953	-921																				
Heebner	3165	-1133																				
Toronto	3185	-1153																				
LKC	3205	-1173																				
BKC	3424	-1392																				

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
Surface	12-1/4"	8-5/8"	23#	265'	Com	175	3% CC 2% Gel

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				

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	<b>RECEIVED</b> <b>FEB 16 2011</b>
Date of First, Resumed Production, SWD or ENHR.			Producing Method:			<b>KCC WICHITA</b>
<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i> <input checked="" type="checkbox"/> Other (Specify) <u>Dry Hole. D&amp;A</u>	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC. 034053

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

SERVICE POINT:

Russell

DATE <u>12-20-10</u>	SEC. <u>3</u>	TWP. <u>9</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>McElhoney</u>		WELL # <u>A #2</u>	LOCATION <u>Plainville N to Rd 5</u>			COUNTY <u>Rooks</u>	STATE <u>Ks.</u>
OLD OR <u>NEW</u> (Circle one)			<u>1w 1/2 S w 1/4</u>				

CONTRACTOR American Eagle Rig # 2

TYPE OF JOB Surface Job

HOLE SIZE 12 1/4 T.D. 26

CASING SIZE 8 5/8 DEPTH 266.13

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 15,99 bbl

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 175 Can 35 cc 2361

COMMON	<u>175</u>	@	<u>13.50</u>	<u>2362.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>6</u>	@	<u>51.50</u>	<u>309.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>175</u>	@	<u>2.25</u>	<u>393.75</u>
MILEAGE	<u>110 bbl / mile</u>			<u>525.00</u>
TOTAL				<u>3651.00</u>

**REMARKS:**

Run to 175 & Landlog 1/2

Est Circulation

Mixed 150 skr

Cement Circulated

CHARGE TO: Temasco

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 991.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 30 @ 7.00 210.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

RECEIVED \_\_\_\_\_ @ \_\_\_\_\_

FEB 16 2011

TOTAL 1201.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment

*Thanks!*

# ALLIED CEMENTING CO., LLC. 034078

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

SERVICE POINT:

Russell

DATE <u>1-1-2011</u>	SEC. <u>16</u>	TWP. <u>15</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 PM</u>	JOB FINISH <u>4:00 PM</u>
LEASE <u>McELHANEY</u>			WELL # <u>A-2</u>	LOCATION <u>Plainville N-BD "S" 1w 4s 4w</u>		COUNTY <u>ROCKS</u>	STATE <u>KANSAS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR AMERICAN EAGLE Rig #2

TYPE OF JOB ROTARY Plug

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 5/8 SURFACE DEPTH 264

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 X-H DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG \_\_\_\_\_

PERFS \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 205 SK 64 4% GEL  
1/4 # F10-SEAL PER SK

COMMON	<u>123</u>	@	<u>13.50</u>	<u>1660.50</u>
POZMIX	<u>82</u>	@	<u>7.55</u>	<u>619.10</u>
GEL	<u>7</u>	@	<u>20.25</u>	<u>141.75</u>
CHLORIDE		@		
ASC		@		
	<u>Fl. Seal 51</u>	@	<u>2.45</u>	<u>124.95</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>205</u>	@	<u>2.25</u>	<u>461.25</u>
MILEAGE	<u>110 1/2 mile</u>			<u>615.00</u>
TOTAL				<u>3622.55</u>

REMARKS:

25 SK 1400  
100 SK 820  
40 SK 310  
10 SK 40' d/wiper Plug  
30 SK e RATHOLE

THANKS

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 991.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 30 @ 7.00 210.00

MANIFOLD @ \_\_\_\_\_

RECEIVED @ \_\_\_\_\_

FEB 16 2011

TOTAL 1201.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

8 5/8 Buccieri Wiper Plug N-C

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

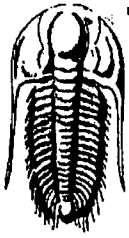
@ \_\_\_\_\_

CHARGE TO: TENGASCO

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Tengasco Inc.

**Mcelhanev "A" #2**

1327 Noose Rd.  
Hays Ks 67601

**3-9s-18w, Rooks, Ks**

Job Ticket: 41347

**DST#: 1**

ATTN: Mike Bair

Test Start: 2010.12.29 @ 16:10:23

**GENERAL INFORMATION:**

Formation: **KC "C,D,E,F"**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 21:08:53

Time Test Ended: 02:17:23

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Interval: **3227.00 ft (KB) To 3301.00 ft (KB) (TVD)**

Reference Elevations: **2035.00 ft (KB)**

Total Depth: **3301.00 ft (KB) (TVD)**

**2028.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **7.00 ft**

**Serial #: 8319** **Inside**

Press@RunDepth: **491.41 psig @ 3233.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.12.29**

End Date: **2010.12.30**

Last Calib.: **2010.12.30**

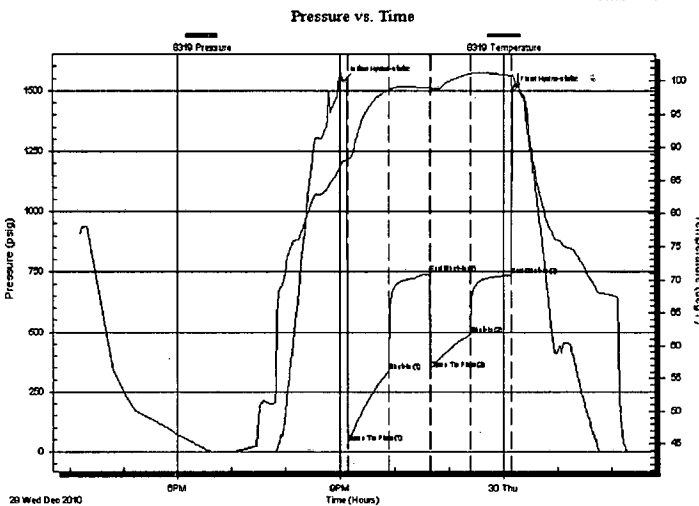
Start Time: **16:10:28**

End Time: **02:17:23**

Time On Btm: **2010.12.29 @ 21:03:53**

Time Off Btm: **2010.12.30 @ 00:10:23**

**TEST COMMENT:** IF-BOB in 3min  
IS- Very weak surface blow died in 14min  
FF-BOB in 6min  
FS- No blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.27	87.90	Initial Hydro-static
5	37.78	88.32	Open To Flow (1)
50	336.31	98.67	Shut-In(1)
95	741.99	98.93	End Shut-In(1)
96	342.96	98.84	Open To Flow (2)
140	491.41	101.08	Shut-In(2)
185	736.21	100.80	End Shut-In(2)
187	1498.29	100.61	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
15.00	VSO WCM 10%O 25%W 65%M	0.21
300.00	VSMCW 90%W 10%M	4.21
725.00	Water	10.17

**Gas Rates**

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

**RECEIVED**  
**FEB 16 2011**  
**KCC WICHITA**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tengasco Inc.

**Mcelhaney "A" #2**

1327 Noose Rd.  
Hays Ks 67601

**3-9s-18w, Rooks, Ks**

Job Ticket: 41347

**DST#: 1**

ATTN: Mike Bair

Test Start: 2010.12.29 @ 16:10:23

**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: 145000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	VSOWCM 10%O 25%W 65%M	0.210
300.00	VSMCW 90%W 10%M	4.208
725.00	Water	10.170

Total Length: 1040.00 ft      Total Volume: 14.588 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

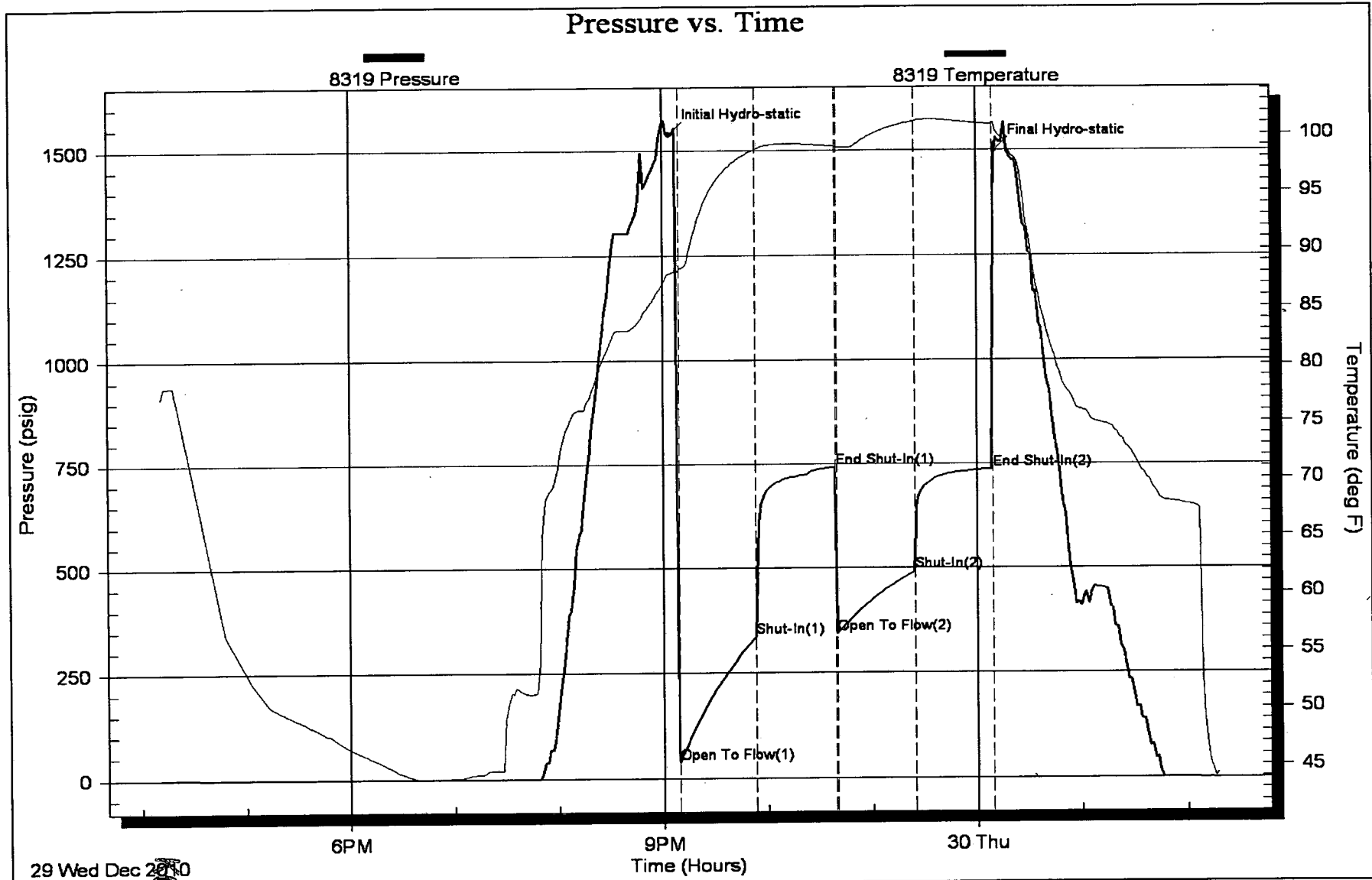
Serial #:

Laboratory Name:

Laboratory Location:

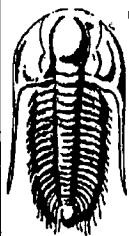
Recovery Comments:

**RECEIVED  
FEB 16 2011  
KCC WICHITA**



29 Wed Dec 29 2010

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FEB 16 2011  
KCC WICHITA



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Tengasco Inc.

1327 Noose Rd.  
Hays Ks 67601

ATTN: Mike Bair

**McElhaney "A" #2**

**3-9s-18w, Rooks, Ks**

Job Ticket: 41348

**DST#: 2**

Test Start: 2010.12.30 @ 12:10:35

### GENERAL INFORMATION:

Formation: **KC "H,I,J"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: **14:18:35**

Time Test Ended: **19:36:35**

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Interval: **3324.00 ft (KB) To 3383.00 ft (KB) (TVD)**

Total Depth: **3383.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2035.00 ft (KB)**

**2028.00 ft (CF)**

**KB to GR/CF: 7.00 ft**

**Serial #: 8319**

**Inside**

Press@RunDepth: **122.93 psig @ 3331.00 ft (KB)**

Start Date: **2010.12.30**

End Date:

**2010.12.30**

Start Time: **12:10:40**

End Time:

**19:36:34**

Capacity: **8000.00 psig**

Last Calib.: **2010.12.30**

Time On Btm: **2010.12.30 @ 14:17:05**

Time Off Btm: **2010.12.30 @ 17:21:05**

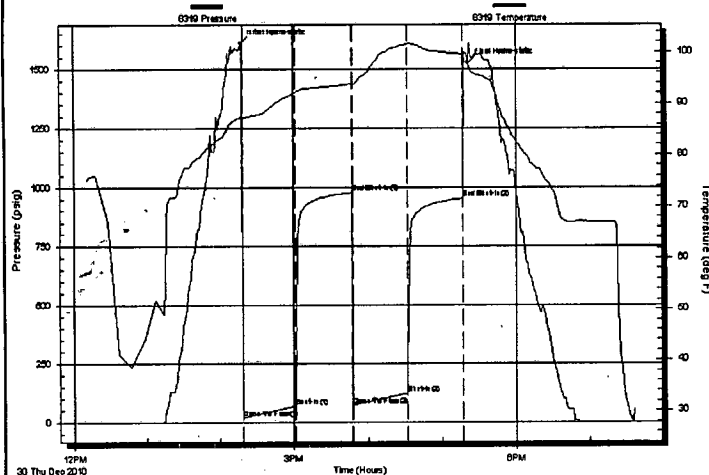
TEST COMMENT: **IF-BOB in 36min**

**ISI-No blow**

**FF-7.5in blow**

**FSI-No blow**

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.81	87.45	Initial Hydro-static
2	16.33	87.19	Open To Flow (1)
44	68.64	91.96	Shut-In(1)
90	975.46	93.72	End Shut-In(1)
91	71.65	93.56	Open To Flow (2)
135	122.93	101.48	Shut-In(2)
180	951.56	99.58	End Shut-In(2)
184	1525.58	97.61	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oils potted SMCW 80%W 20%M	0.63
180.00	SMCW 90%W 10%M	2.52

### Gas Rates

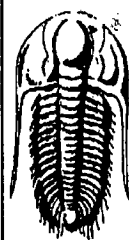
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

**RECEIVED**

**FEB 16 2011**

**KCC-WICHITA**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tengasco Inc.

**McElhane "A" #2**

1327 Noose Rd.  
Hays Ks 67601

**3-9s-18w, Rooks, Ks**

Job Ticket: 41348

**DST#: 2**

ATTN: Mike Bair

Test Start: 2010.12.30 @ 12:10:35

## 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:

145000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Oilspotted SMCW 80%W 20%M	0.631
180.00	SMCW 90%W 10%M	2.525

Total Length: 225.00 ft      Total Volume: 3.156 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

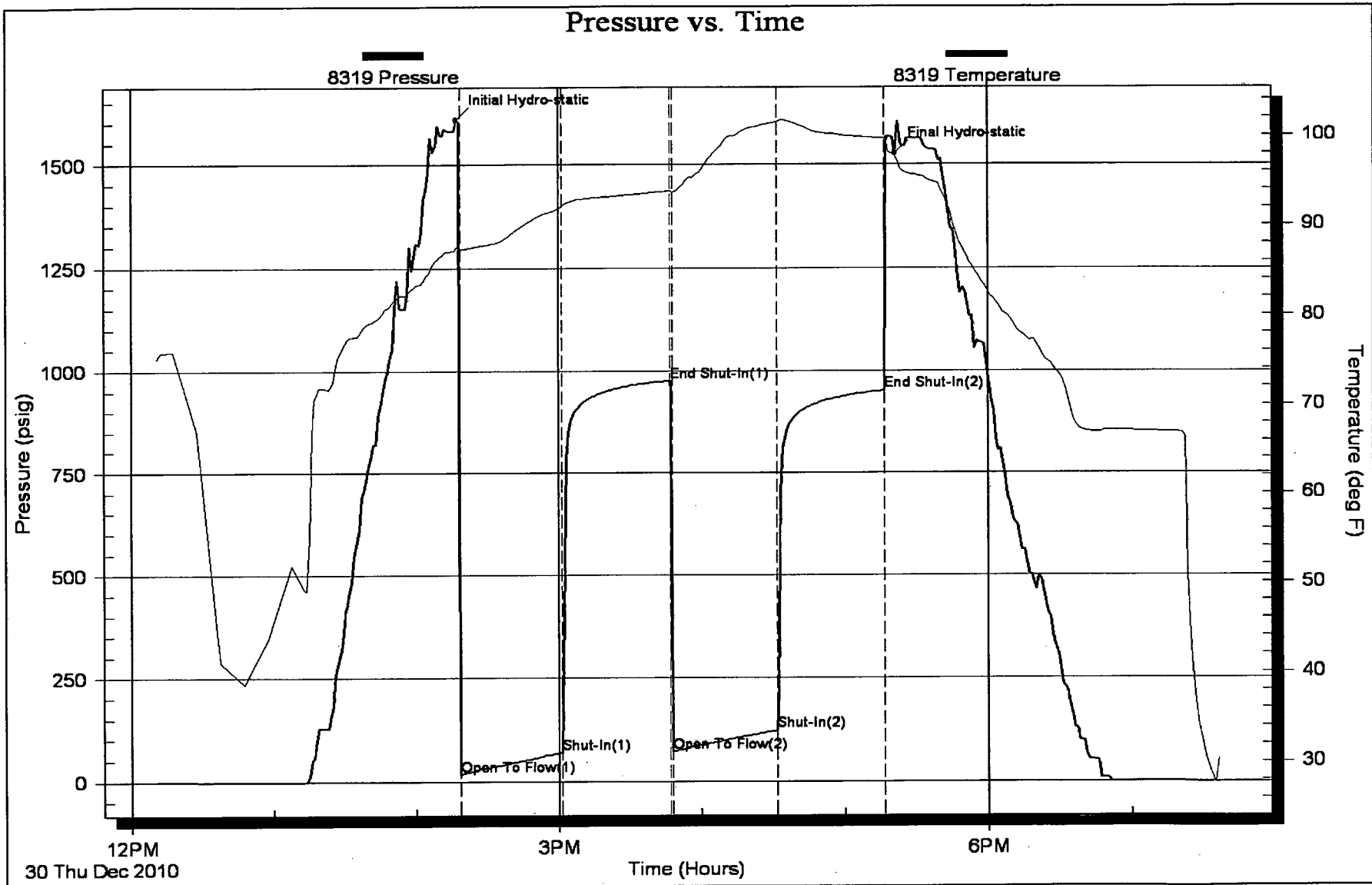
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

RECEIVED  
FEB 16 2011  
KCC WICHITA





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Tengasco Inc.

1327 Noose Rd.  
Hays Ks 67601

ATTN: Mike Bair

**Mcelhaney"A" #2**

**3-9s-18w,Rooks,Ks**

Job Ticket: 41349

DST#: 3

Test Start: 2010.12.31 @ 01:55:13

## GENERAL INFORMATION:

Formation: **KC "K"**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 04:56:43

Time Test Ended: 09:25:43

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Interval: **3384.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Total Depth: **3400.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2035.00 ft (KB)**

**2028.00 ft (CF)**

KB to GR/CF: **7.00 ft**

**Serial #: 8319**

**Inside**

Press@RunDepth: **14.50 psig @ 3394.00 ft (KB)**

Start Date: **2010.12.31**

End Date:

**2010.12.31**

Start Time: **01:55:18**

End Time:

**09:25:42**

Capacity: **8000.00 psig**

Last Calib.: **2010.12.31**

Time On Btm: **2010.12.31 @ 04:53:43**

Time Off Btm: **2010.12.31 @ 07:32:13**

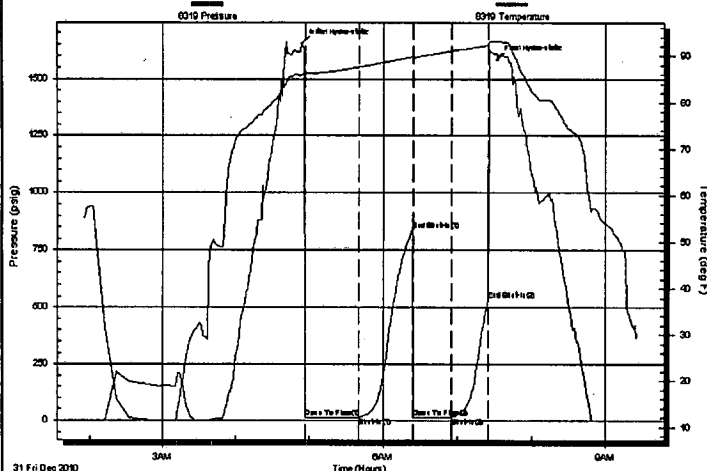
TEST COMMENT: IF-1/2in blow died back to 1/4in blow

ISI-No blow

FF-No blow

FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.98	85.84	Initial Hydro-static
3	12.08	86.30	Open To Flow (1)
47	14.33	87.66	Shut-In(1)
90	837.11	89.85	End Shut-In(1)
90	13.67	89.67	Open To Flow (2)
121	14.50	90.99	Shut-In(2)
151	537.65	92.22	End Shut-In(2)
159	1583.91	93.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

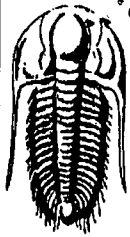
Gas Rates

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

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**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tengasco Inc.

**Mcelhanev"A" #2**

1327 Noose Rd.  
Hays Ks 67601

**3-9s-18w,Rooks,Ks**

Job Ticket: 41349

**DST#: 3**

ATTN: Mike Bair

Test Start: 2010.12.31 @ 01:55:13

**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: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

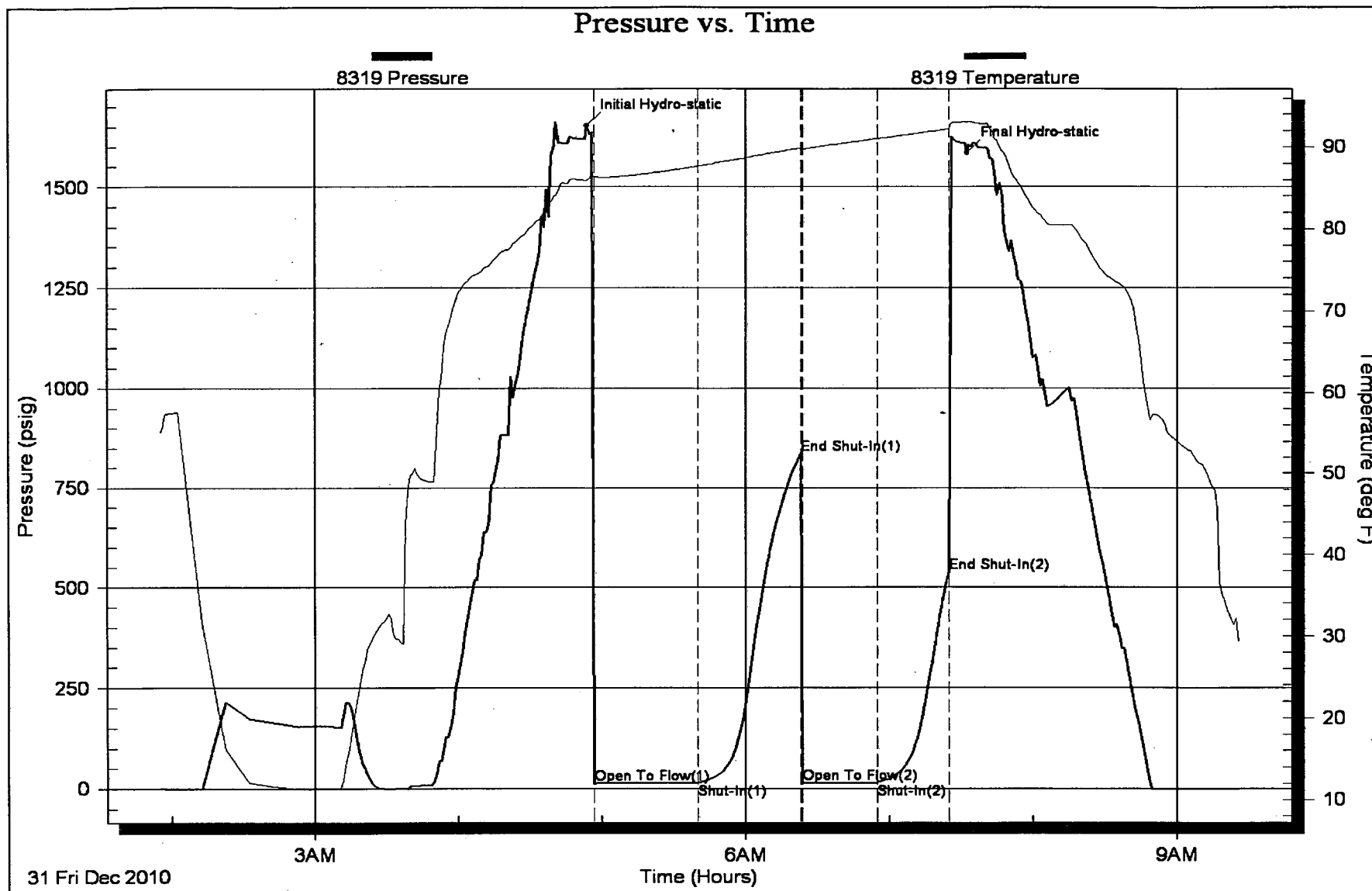
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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