

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: K Zip: 67601 + 9744  
Contact Person: Gary Wagner  
Phone: ( 785 ) 625-6374  
CONTRACTOR: License # 33493  
Name: American Eagle Drg LLC  
Wellsite Geologist: Mike Bair  
Purchaser: Coffeyville Resources

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 #: \_\_\_\_\_

2-17-12	2-24-12	3-6-12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-24003-00-00  
Spot Description: \_\_\_\_\_  
SW SE NW NE Sec. 3 Twp. 9 S. R. 18  East  West  
1,200 Feet from  North /  South Line of Section  
1,860 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 #: 4  
Field Name: Yohe  
Producing Formation: Lansing  
Elevation: Ground: 1992' Kelly Bushing: 1999'  
Total Depth: 3513' Plug Back Total Depth: 3465'  
Amount of Surface Pipe Set and Cemented at: 262' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1396 Feet  
If Alternate II completion, cement circulated from: 1396'  
feet depth to: surface w/ 300 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 49000 ppm Fluid volume: 320 bbls  
Dewatering method used: Hauled to SWD  
Location of fluid disposal if hauled offsite:  
Operator Name: Tengasco, Inc.  
Lease Name: Mosher License #: 32278  
Quarter SE Sec. 33 Twp. 8 S. R. 18  East  West  
County: Rooks Permit #: D-20,833

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**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2010, 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: 3-16-12

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dg Date: 4/24/12

Operator Name: Tengasco, Inc. Lease Name: McElhanev A Well #: 4  
 Sec. 3 Twp. 9 S. R. 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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

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

List All E. Logs Run:

**Dual Induction, Density Neutron/PE, Micro, CBL**

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhydrite	1382	+617
Topeka	2913	-914
Heebner	3126	-1127
Toronto	3146	-1147
Lansing	3165	-1166
BKC	3387	-1388
Arbuckle	3418	-1419

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#	262'	Com	170	3% CC 2% Gel
Production	7-7/8"	5-1/2"	14#	3512'	ASC	150	10% salt 2% gel

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 <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1396'	60/40	300	4% gel, 1/4# flo seal/ sx

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
6	3252-56'	250 gal 15% MA	

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>3442'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>3-7-12</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>45</u>	Gas Mcf	Water Bbls. <u>4</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>LKC 3252-56'</u>
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 KCC WICHITA

# ALLIED OIL & GAS SERVICES, LLC 056906

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

SERVICE POINT:

Russell

DATE <u>2-17-12</u>	SEC <u>3</u>	TWP <u>19</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30</u>	JOB FINISH <u>10:00</u>
LEASE <u>MCELhoney</u>	WELL # <u>A-11</u>	LOCATION <u>Plainville 4N to T rd</u>			COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>1/2 W to rd 17 1/2 N west into</u>			<u>Rooks</u>		

CONTRACTOR <u>American Eagle #2</u>	OWNER
TYPE OF JOB <u>surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>8 3/8</u>	DEPTH <u>262</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>15 ft</u>
CEMENT LEFT IN CSG. <u>15 1/4</u>	
PERFS.	
DISPLACEMENT <u>15.75 bbl</u>	
EQUIPMENT	

CEMENT			
AMOUNT ORDERED	<u>170 sk class A 3% cc 2%</u>		<u>601</u>
COMMON	<u>170 sk</u>	@ <u>16.25</u>	<u>2762.50</u>
POZMIX		@	
GEL	<u>3 sk</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6 sk</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>179</u>	@ <u>2.25</u>	<u>402.75</u>
MILEAGE	<u>50 x 179 x .11</u>		<u>989.50</u>
TOTAL			<u>4562.70</u>

REMARKS:

supplied mud, pumped 170 sk class A  
3% cc 2% gel, displaced 15 bbl H<sub>2</sub>O  
cement did not set to surface  
Thanks !!  
MUCH !!

SERVICE

DEPTH OF JOB	<u>262</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>m/HV 50</u>		@ <u>7.00</u>	<u>350.00</u>
MANIFOLD		@	
<u>m/LV 30</u>		@ <u>4.00</u>	<u>200.00</u>
TOTAL			<u>1675.00</u>

CHARGE TO: tengasco Inc  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			<u>0</u>

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.

PRINTED NAME KEITH KARLIN  
SIGNATURE Keith Karlin

SALES TAX (if Any) \_\_\_\_\_  
TOTAL CHARGES 6,237.70  
DISCOUNT 20/50 IF PAID IN 30 DAYS

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KCC WICHITA

# ALLIED OIL & GAS SERVICES, LLC 056912

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

SERVICE POINT:  
Russell

DATE <u>2.24.12</u>	SEC. <u>3</u>	TWP. <u>19</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30</u>	JOB FINISH <u>9:00</u>
LEASE <u>McElhenny</u>	WELL # <u>A-4</u>	LOCATION <u>Plainville 4 N 10 Trd</u>			COUNTY <u>RIOG</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>1/2 W, 1/2 N, west into</u>			

CONTRACTOR <u>American Eagle #2</u>	
TYPE OF JOB <u>Production</u>	
HOLE SIZE	T.D. <u>3512</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>2102</u>
TUBING SIZE <u>5 1/2</u> 11#	DEPTH <u>3513.9</u>
DRILL PIPE	DEPTH
TOOL <u>P.C. 1398</u>	DEPTH <u>1398</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.35</u>
CEMENT LEFT IN CSG. <u>42.35</u>	
PERFS.	
DISPLACEMENT <u>84.7</u>	

OWNER	
CEMENT	
AMOUNT ORDERED <u>180 sk ASC</u>	
COMMON <u>180 sk</u>	@ <u>16.25</u> <u>2925.00</u>
POZMIX	@
GEL <u>4</u>	@ <u>21.25</u> <u>85.00</u>
CHLORIDE	@
ASC	@
<u>Gyp Seal 22</u>	@ <u>34.20</u> <u>752.40</u>
<u>Seal 20</u>	@ <u>23.95</u> <u>479.00</u>
	@
	@
<u>mixed float 500 Gal</u>	@ <u>1.27</u> <u>635.00</u>
	@
	@
HANDLING	@
MILEAGE <u>50 x 226 x .11</u>	<u>1,243.00</u>
TOTAL	<u>6,119.40</u>

**EQUIPMENT**

PUMP TRUCK # <u>417</u>	CEMENTER <u>Teed</u>
	HELPER <u>Woody</u>
BULK TRUCK # <u>473</u>	DRIVER <u>Ron</u>
BULK TRUCK #	DRIVER

**REMARKS:**

Fan 8.3 joints Centralizers on 15 ft to 49  
 105' 30" inside 1st collar, depth to 150  
 Pl. a 1398, established location Drilled  
 2 1/2", 40' at 1st one hour mixed 500 Gal  
 mixed float, mixed 2 sk in rat hole  
 cement, mixed 150 sk of ASC cement in well  
 knocked off weight w/ displaced 84.7 bbl  
 loaded plug @ 1700 lbs load @ 8:45  
THANK YOU!

CHARGE TO: Tengco Inc  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>3513.9</u>
PUMP TRUCK CHARGE	<u>2225.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>MIL HV 50</u>	@ <u>7.00</u> <u>350.00</u>
MANIFOLD	@
<u>MILV 30</u>	@ <u>4.00</u> <u>200.00</u>
RECEIVED	@

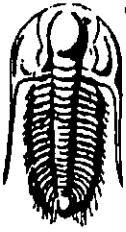
APR 17 2012  
 TOTAL 2775.00

**KCC WICHITA  
PLUG & FLOAT EQUIPMENT**

<u>5 1/2 Guide shoe</u>	@ <u>16.8</u> <u>168.00</u>
<u>5 1/2 Centralizers</u>	@ <u>3.4</u> <u>170.00</u>
<u>5 1/2 Port collar</u>	@ <u>15.20</u> <u>152.00</u>

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cement...





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Tengasco INC

3-9s-18w Rooks

P.O. Box 458  
Hays KS, 67601

McElhanoy

Job Ticket: 46287

DST#: 1

ATTN: Mike Bair

Test Start: 2012.02.22 @ 00:49:05

## GENERAL INFORMATION:

Formation: **Shawnee - Plattsmout**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:59:40

Time Test Ended: 07:50:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 39

Interval: 3047.00 ft (KB) To 3090.00 ft (KB) (TVD)

Total Depth: 3090.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1999.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press@RunDepth: 208.07 psig @ 3083.00 ft (KB)

Start Date: 2012.02.22

End Date:

2012.02.22

Start Time: 00:49:05

End Time:

07:50:20

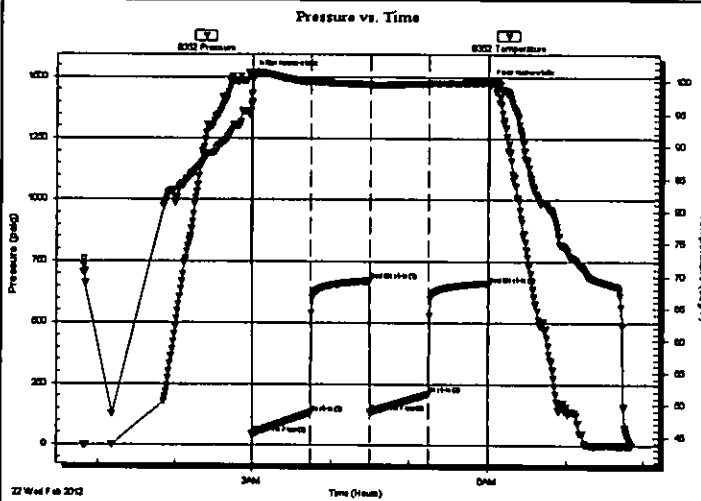
Capacity: 8000.00 psig

Last Calib.: 2012.02.22

Time On Btm: 2012.02.22 @ 02:59:20

Time Off Btm: 2012.02.22 @ 06:00:30

TEST COMMENT: 45 - IF- B.O.B. in 19 Min.  
45 - IS- No blow back  
45 - FF- 8" Blow  
45 - FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1509.48	96.38	Initial Hydro-static
1	42.13	96.84	Open To Flow (1)
46	132.41	99.89	Shut-In(1)
91	672.88	99.62	End Shut-In(1)
91	135.03	99.26	Open To Flow (2)
136	208.07	99.61	Shut-In(2)
182	658.87	99.85	End Shut-In(2)
182	1473.19	100.21	Final Hydro-static

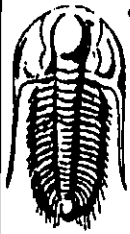
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## Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM, 50%W, 50%M	0.87
124.00	MW, 20%M, 80%W	1.74
169.00	GMW, 5%G, 40%M, 55%W	2.37

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tengasco INC

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

P.O. Box 458  
Hays KS, 67601

**McElhanoy**

Job Ticket: 46287

**DST#: 1**

ATTN: Mike Bair

Test Start: 2012.02.22 @ 00:49:05

## 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:

12000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
62.00	WM, 50%W, 50%M	0.870
124.00	MMV, 20%M, 80%W	1.739
169.00	GMV, 5%G, 40%M, 55%W	2.371

Total Length: 355.00 ft      Total Volume: 4.980 bbf

Num Fluid Samples: 0

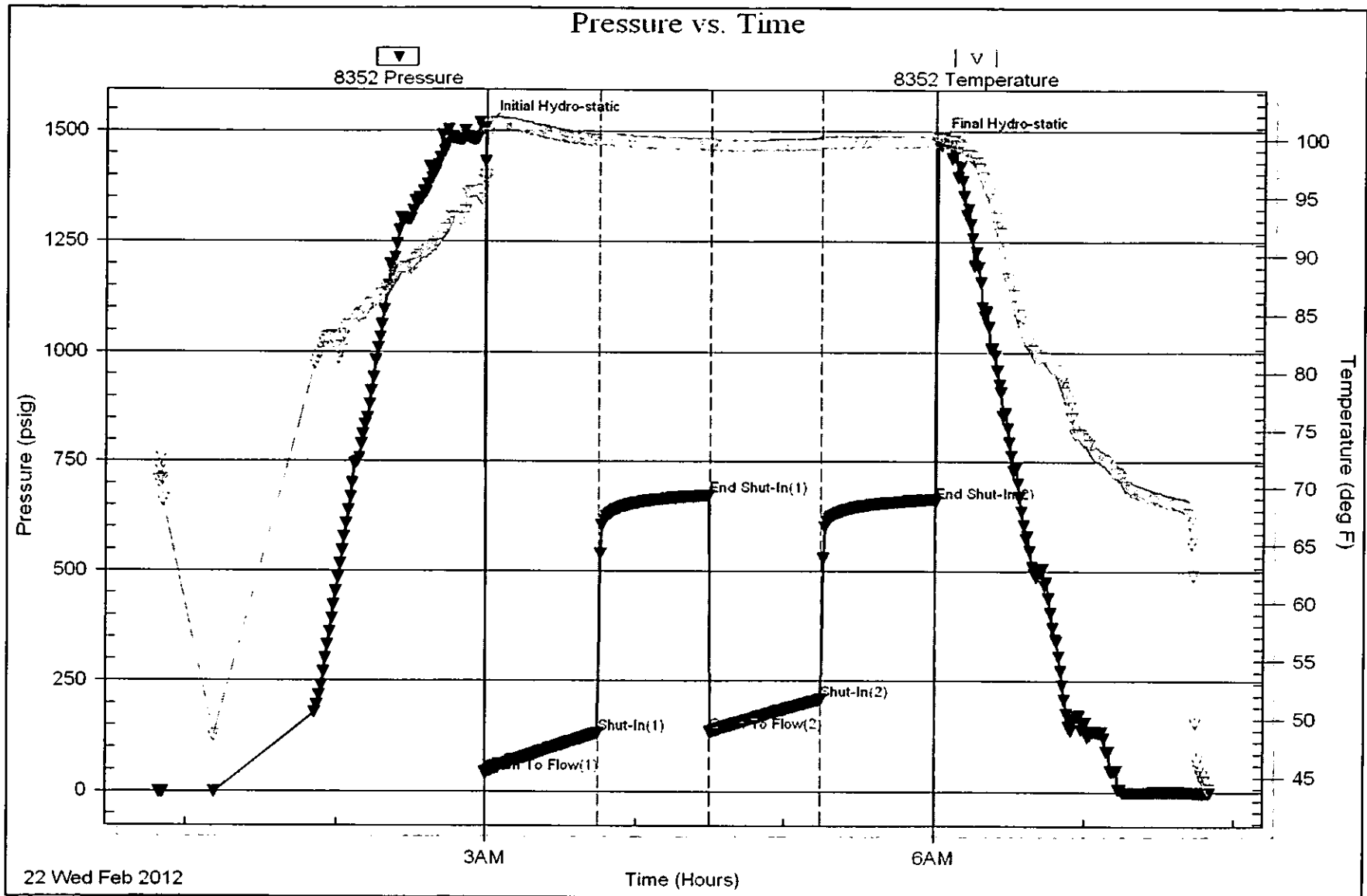
Num Gas Bombs: 0

Serial #:

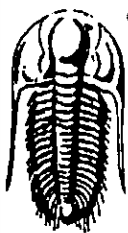
Laboratory Name:

Laboratory Location:

Recovery Comments: .10 @ 40 Degrees = 12,000







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Tengasco INC

3-9s-18w Rooks

P.O. Box 458  
Hays KS, 67601

McElhanoy

Job Ticket: 46288

DST#: 2

ATTN: Mike Bair

Test Start: 2012.02.23 @ 00:17:00

### GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:25:40

Time Test Ended: 08:51:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 39

Interval: 3190.00 ft (KB) To 3258.00 ft (KB) (TVD)

Total Depth: 3258.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1999.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press@RunDepth: 525.72 psig @ 3255.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.23

End Date:

2012.02.23

Last Calib.: 2012.02.23

Start Time: 00:17:05

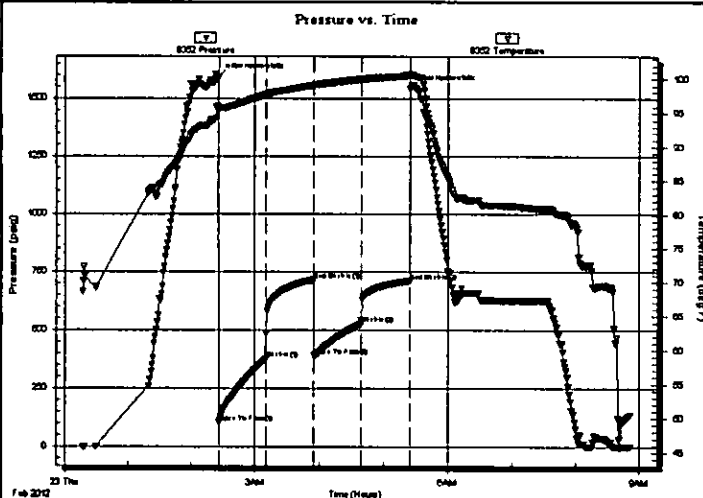
End Time:

08:51:40

Time On Btm: 2012.02.23 @ 02:25:20

Time Off Btm: 2012.02.23 @ 05:25:09

TEST COMMENT: 45 - IF- B.O.B. in 2 Min  
45 - IS- B.O.B. in 22 Min  
45 - FF- B.O.B. in 1 1/2 Min  
45 - FS- 7" blow in 20 Min, died back to a surface blow.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.83	96.07	Initial Hydro-static
1	100.84	95.73	Open To Flow (1)
45	374.04	97.70	Shut-In(1)
90	713.98	99.12	End Shut-In(1)
90	388.50	99.04	Open To Flow (2)
134	525.72	100.01	Shut-In(2)
180	709.04	100.62	End Shut-In(2)
180	1541.90	100.81	Final Hydro-static

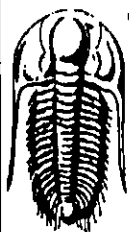
### Recovery

Length (ft)	Description	Volume (bbl)
100.00	GHOCVM, 5%G, 5%W, 40%M, 50%O	1.40
1100.00	GO, 40%G, 60%O	15.43
300.00	HOCM, 50%O, 50%M	4.21
0.00	186' of G.I.P.	0.00

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Tengasco INC

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

P.O. Box 458  
Hays KS, 67601

**McElhanoy**

Job Ticket: 46288

**DST#: 2**

ATTN: Mike Bair

Test Start: 2012.02.23 @ 00:17:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
100.00	GHOCWM, 5%G, 5%W, 40%M, 50%O	1.403
1100.00	GO, 40%G, 60%O	15.430
300.00	HOCM, 50%O, 50%M	4.208
0.00	186' of G.I.P.	0.000

Total Length: 1500.00 ft      Total Volume: 21.041 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

