

Operator Name: Tengasco, Inc. Lease Name: Veverka B Well #: 4
 Sec. 28 Twp. 8 S. R. 19 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: Dual Induction, Neutron Density/PE, Micro, CBL	<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>1428</td> <td>+578</td> </tr> <tr> <td>Topeka</td> <td>2953</td> <td>-947</td> </tr> <tr> <td>Heebner</td> <td>3161</td> <td>-1155</td> </tr> <tr> <td>Toronto</td> <td>3183</td> <td>-1177</td> </tr> <tr> <td>Lansing</td> <td>3201</td> <td>-1195</td> </tr> <tr> <td>BKC</td> <td>3415</td> <td>-1409</td> </tr> <tr> <td>Arbuckle</td> <td>3438</td> <td>-1432</td> </tr> </table>	Name	Top	Datum	Anhydrite	1428	+578	Topeka	2953	-947	Heebner	3161	-1155	Toronto	3183	-1177	Lansing	3201	-1195	BKC	3415	-1409	Arbuckle	3438	-1432
Name	Top	Datum																							
Anhydrite	1428	+578																							
Topeka	2953	-947																							
Heebner	3161	-1155																							
Toronto	3183	-1177																							
Lansing	3201	-1195																							
BKC	3415	-1409																							
Arbuckle	3438	-1432																							

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#	263'	Com	170	3% CC, 2% gel
Production	7-7/8"	5-1/2"	14#	3523'	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	0-1422'	60/40 Lite	170	1/4# flo seal

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
6	3440-46'	300 gal 15% MA	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3454'</u> Packer At: <u>N/A</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		RECEIVED
Date of First, Resumed Production, SWD or ENHR: <u>3-9-11</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	JUL 08 2011
Estimated Production Per 24 Hours	Oil Bbbs. <u>1</u> Gas Mcf _____ Water Bbbs. <u>81</u> Gas-Oil Ratio _____	KCC WICHITA

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Arbuckle 3440-46'</u>
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ALLIED CEMENTING CO., LLC. 034111

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

SERVICE POINT:
Russell KS.

DATE <u>2-22-2011</u>	SEC. <u>28</u>	TWP. <u>8 S</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>VERVERKA</u>	WELL # <u>B-4</u>	LOCATION <u>ZURICH KS 6 1/2 N 4 W</u>				COUNTY <u>ROOK'S</u>	STATE <u>KANSAS</u>
OLD OR NEW (Circle one)							

CONTRACTOR American Eagle Rig #3 OWNER _____

TYPE OF JOB PRODUCTION STRING

HOLE SIZE 9 7/8 T.D. 3526'

CASING SIZE 5 1/2 New DEPTH 3525

TUBING SIZE 14# csg DEPTH _____

DRILL PIPE DEPTH _____

TOOL AFU INSERT DEPTH 3481

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42 66

CEMENT LEFT IN CSG. 42 66

PERFS. _____

DISPLACEMENT 84.94 / BBL

EQUIPMENT

PUMP TRUCK CEMENTER Glenn - Heath

398 HELPER WOODY

BULK TRUCK # 410 DRIVER MARK

BULK TRUCK # _____ DRIVER _____

REMARKS: PORT COLLAR @ 1422

Ran 84 JT's New 14# csg. Set @ 3525'
Circulate 1 Hr. on Bottom.
Mix WFR-2 Flush, Cement w/ 150 SX
ASC, Clear Line, Release Plug, & Displace
85 BBL/H₂O. LAND Plug @ #1500'
Release Pressure, & FLOAT - (Held)
Rathole 30 SX

THANK'S

CHARGE TO: Tengasco Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

CEMENT AMOUNT ORDERED 180 SX ASC

10% SALT
2% GEL 500 GAL WFR-2

COMMON _____ @ _____

POZMIX _____ @ _____

GEL 3 @ 20.25 60.75

CHLORIDE _____ @ _____

ASC 180 @ 16.70 3006.00

_____ @ _____

WFR-2 500 Gal @ 1.10 550.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING 180 @ 2.25 405.00

MILEAGE 110/14/mi 900.00

TOTAL 4921.75

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1957.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 50 @ 7.00 350.00

MANIFOLD RECEIVED @ _____

JUL 08 2011

KCC WICHITA TOTAL 2307.00

PLUG & FLOAT EQUIPMENT

Guide Shoe _____ 107.00

AFU INSERT _____ @ _____ 112.00

6 - CENTRALIZERS _____ @ 35.00 210.00

1 - BASKET _____ @ _____ 161.00

1 - PORT COLLAR _____ @ _____ 1750.00

1 - TRP. _____ @ _____ 43.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment
and furnish cementer and helper(s) to assist owner or

ALLIED CEMENTING CO., LLC. 034159

O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>3-2-11</u>	SEC. <u>28</u>	TWP. <u>8 S</u>	RANGE <u>19 W</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 p.m.</u>	JOB FINISH <u>1:00 p.m.</u>
LEASE <u>Veverka</u>	WELL # <u>B#4</u>	LOCATION <u>Zurich 6 1/4 N Winto</u>				COUNTY <u>Rooks</u>	STATE <u>Ks</u>
<input checked="" type="radio"/> OLD <input type="radio"/> NEW (Circle one)							

CONTRACTOR Fisher Well Service
 TYPE OF JOB P.C. Circulate Cement
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 5 1/2 DEPTH
 TUBING SIZE 2 3/4 DEPTH 1422
 DRILL PIPE DEPTH
 TOOL P.C. DEPTH 1422
 PRES. MAX 1000 psi MINIMUM —
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT 8 1/4 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Shang
 # 417 HELPER Heath
 BULK TRUCK
 # 473 DRIVER Mark
 BULK TRUCK
 # DRIVER

REMARKS:

Tested tools to 1000psi. Opened P.C. Est Circulation. Mixed 170 sks. to Circulate Cement. Displaced 7 1/4 bbl. Closed P.C. Tested to 1000psi. Ran 5 jts. Washed Clean. Came out of Hole

OWNER
 CEMENT Used 170 sks
 AMOUNT ORDERED 325 6 1/4 Lite 1/4 47 1/2

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>Life 170</u>	@	<u>11.85</u>	<u>2014.20</u>
<u>Flo Seal 81</u>	@	<u>2.45</u>	<u>198.45</u>
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <u>170</u>	@	<u>2.25</u>	<u>382.50</u>
MILEAGE <u>110/56/mile</u>			<u>850.00</u>

TOTAL 3445.15

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD	@		
	@		
	@		

TOTAL 1341.00

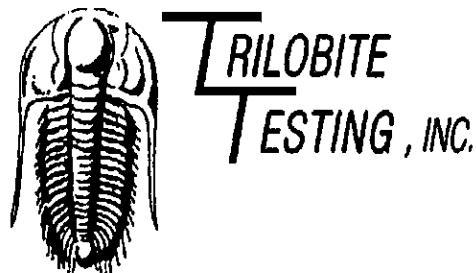
PLUG & FLOAT EQUIPMENT

@ RECEIVED
 @
 @ JUL 08 2011
 @
 @ KCC WICHITA

CHARGE TO: Zengarra
 STREET _____
 CITY _____ STATE _____ ZIP _____

Thanks!

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

28 8S 19W Rooks KS

Veverka B#4

Start Date: 2011.02.19 @ 01:12:00

End Date: 2011.02.19 @ 08:26:30

Job Ticket #: 41842 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

RECEIVED
JUL 08 2011
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 41842

DST#: 1

ATTN: Mke Bair

Test Start: 2011.02.19 @ 01:12:00

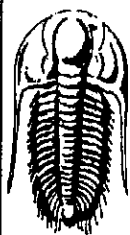
Tool Information

Drill Pipe:	Length: 3221.00 ft	Diameter: 3.80 inches	Volume: 45.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 20000.00 lb
			<u>Total Volume: 45.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3220.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	54.00 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			3200.00	
Shut In Tool	5.00			3205.00	
Hydraulic tool	5.00			3210.00	
Packer	5.00			3215.00	21.00 Bottom Of Top Packer
Packer	5.00			3220.00	
Stubb	1.00			3221.00	
Recorder	0.00	6672	Inside	3221.00	
Recorder	0.00	8321	Inside	3221.00	
Perforations	29.00			3250.00	
Bullnose	3.00			3253.00	33.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 41842 DST#: 1

ATTN: Mike Bair

Test Start: 2011.02.19 @ 01:12:00

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: 160000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.11 ohm.m

Gas Cushion Pressure: psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

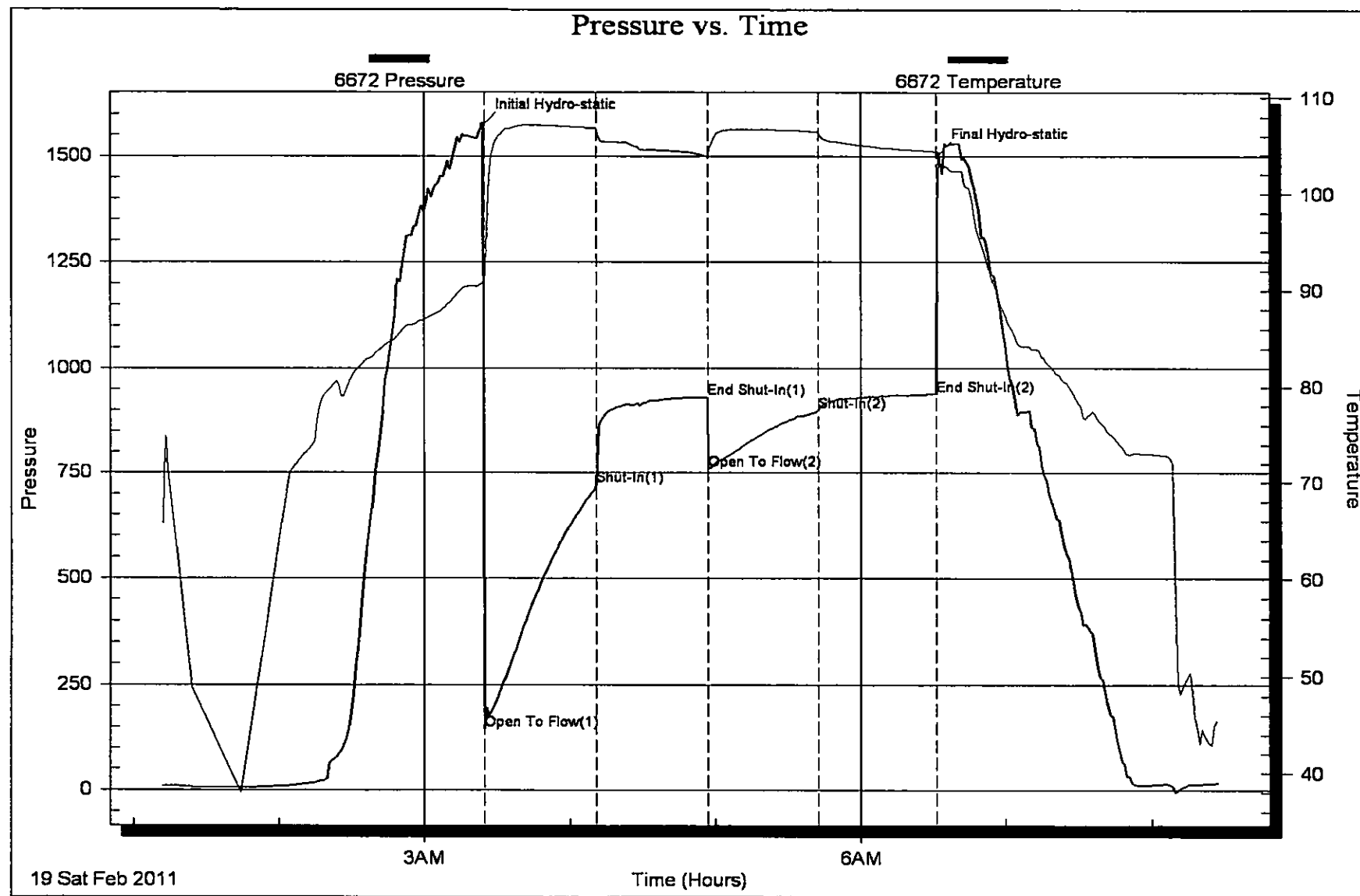
Length ft	Description	Volume bbl
1674.00	95%Water/5%Mud	23.482
248.00	70%Water/30%Mud	3.479

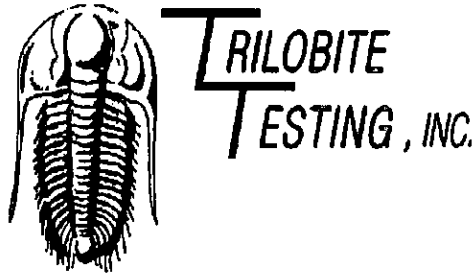
Total Length: 1922.00 ft Total Volume: 26.961 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .106 # 36F = 160000 chlorides





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

28 8S 19W Rooks KS

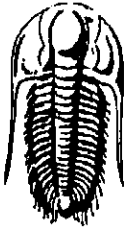
Veverka B#4

Start Date: 2011.02.20 @ 01:36:14

End Date: 2011.02.20 @ 08:37:14

Job Ticket #: 041746 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 041746

DST#: 2

ATTN: Mike Bair

Test Start: 2011.02.20 @ 01:36:14

GENERAL INFORMATION:

Formation: **LKC-H-I-J**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 03:45:14
 Time Test Ended: 08:37:14

Test Type: **Conventional Bottom Hole**
 Tester: **Jeff Brown**
 Unit No: **44**

Interval: **3317.00 ft (KB) To 3375.00 ft (KB) (TVD)**
 Total Depth: **3375.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2010.00 ft (KB)**
2006.00 ft (CF)
 KB to GR/CF: **4.00 ft**

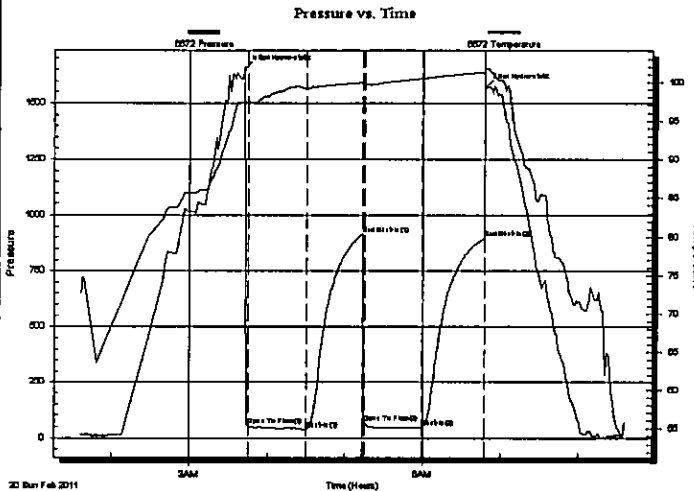
Serial #: 6672

Inside

Press@RunDepth: **47.69 psig @ 3321.00 ft (KB)**
 Start Date: **2011.02.20** End Date: **2011.02.20**
 Start Time: **01:36:15** End Time: **08:37:14**

Capacity: **8000.00 psig**
 Last Calib.: **2011.02.20**
 Time On Btm: **2011.02.20 @ 03:42:44**
 Time Off Btm: **2011.02.20 @ 06:48:14**

TEST COMMENT: IFP-Weak blow built to 1 1/4 in
 IS-Dead no blow back
 FFP-Weak blow built to 1/2 in
 FSI-Dead no blow back



PRESSURE SUMMARY

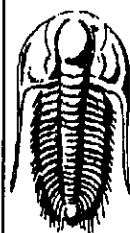
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.87	97.69	Initial Hydro-static
3	55.70	97.38	Open To Flow (1)
47	38.23	99.11	Shut-In(1)
90	913.57	99.96	End Shut-In(1)
92	66.71	99.83	Open To Flow (2)
136	47.69	100.49	Shut-In(2)
185	898.52	101.28	End Shut-In(2)
186	1571.87	101.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with oil spots	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 041746

DST#: 2

ATTN: Mike Bair

Test Start: 2011.02.20 @ 01:36:14

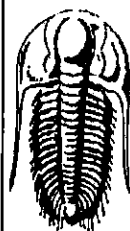
Tool Information

Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 46.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3317.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			3290.00	
Shut In Tool	5.00			3295.00	
Hydraulic tool	5.00			3300.00	
Jars	5.00			3305.00	
Safety Joint	3.00			3308.00	
Packer	4.00			3312.00	28.00 Bottom Of Top Packer
Packer	5.00			3317.00	
Stubb	1.00			3318.00	
Perforations	2.00			3320.00	
Change Over Sub	1.00			3321.00	
Recorder	0.00	6672	Inside	3321.00	
Recorder	0.00	8321	Inside	3321.00	
Drill Pipe	30.00			3351.00	
Change Over Sub	1.00			3352.00	
Perforations	20.00			3372.00	
Bullnose	3.00			3375.00	58.00 Bottom Packers & Anchor
Total Tool Length:	86.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 041746 DST#: 2

ATTN: Mike Bair

Test Start: 2011.02.20 @ 01:36:14

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 8.77 in³
Resistivity: ohm.m
Salinity: 2500.00 ppm
Filter Cake: 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

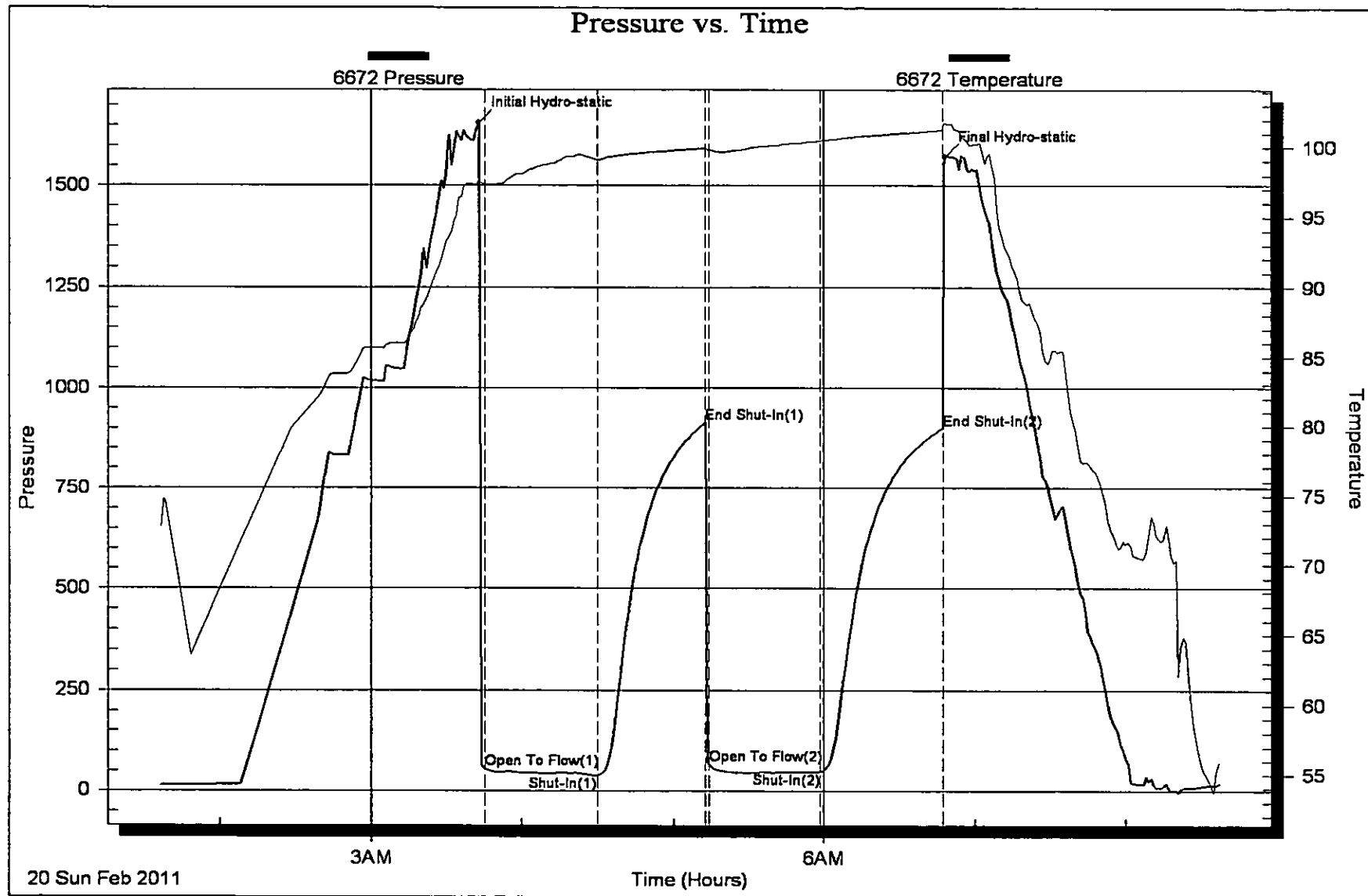
Length ft	Description	Volume bbl
15.00	Mud with oil spots	0.210

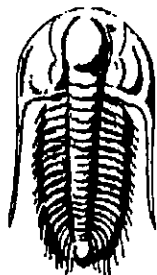
Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

PO Box 458
Hays KS 67601

ATTN: Mike Bair

28 8S 19W Rooks KS

Veverka B#4

Start Date: 2011.02.20 @ 18:17:25

End Date: 2011.02.21 @ 01:19:55

Job Ticket #: 041747 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Tengasco Inc.

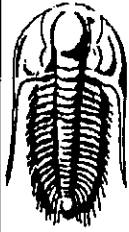
Veverka B#4

28 8S 19W Rooks KS

DST # 3

Arbuckle

2011.02.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc.

PO Box 458
Hays KS 67601

ATTN: Mike Bair

Veverka B#4

28 8S 19W Rooks KS

Job Ticket: 041747

DST#: 3

Test Start: 2011.02.20 @ 18:17:25

GENERAL INFORMATION:

Formation: Arbuckle
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:55:55
Time Test Ended: 01:19:55

Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44

Interval: 3438.00 ft (KB) To 3444.00 ft (KB) (TVD)
Total Depth: 3444.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2010.00 ft (KB)
2006.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 6672

Inside

Press@RunDepth: 151.06 psig @ 3439.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.20

End Date:

2011.02.21

Last Calib.: 2011.02.21

Start Time: 18:17:26

End Time:

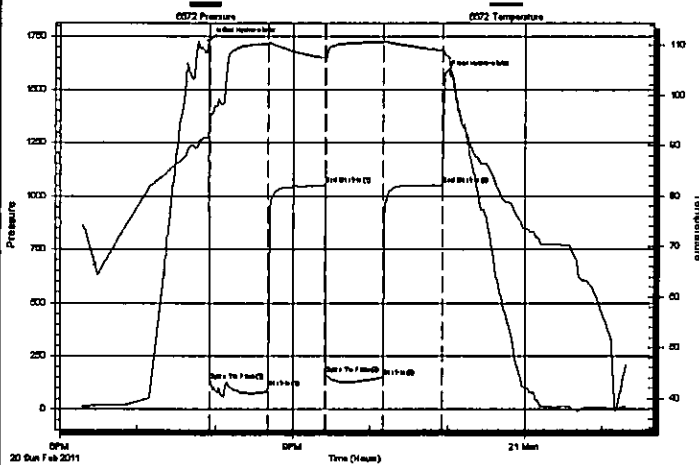
01:19:55

Time On Btm: 2011.02.20 @ 19:54:55

Time Off Btm: 2011.02.20 @ 22:57:25

TEST COMMENT: IFF=Good Blow BOB in 26 min
IS=Weak blow back built to 1/8 in died in 35 min
FFP=Good blow BOB in 23 min
FSI=Weak surface blow died in 7 min

Pressure vs. Time



PRESSURE SUMMARY

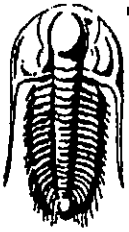
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.26	92.10	Initial Hydro-static
1	131.28	93.09	Open To Flow (1)
46	100.24	110.25	Shut-In(1)
90	1050.53	107.55	End Shut-In(1)
91	163.84	107.25	Open To Flow (2)
136	151.06	110.56	Shut-In(2)
181	1050.68	109.02	End Shut-In(2)
183	1569.88	108.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	SOCW 5%O95%W	3.48
47.00	OCMW 10%O25%M85%W	0.66
46.00	Free Oil	0.65
0.00	62' GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 041747

DST#: 3

ATTN: Mke Bair

Test Start: 2011.02.20 @ 18:17:25

Tool Information

Drill Pipe:	Length: 3437.00 ft	Diameter: 3.80 inches	Volume: 48.21 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3438.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	27.00 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			3418.00	
Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Packer	5.00			3433.00	21.00 Bottom Of Top Packer
Packer	5.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	6672	Inside	3439.00	
Recorder	0.00	8321	Inside	3439.00	
Perforations	2.00			3441.00	
Bullnose	3.00			3444.00	6.00 Bottom Packers & Anchor
Total Tool Length:	27.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

Veverka B#4

PO Box 458
Hays KS 67601

28 8S 19W Rooks KS

Job Ticket: 041747 DST#: 3

ATTN: Mike Bair

Test Start: 2011.02.20 @ 18:17:25

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 9.58 in³
Resistivity: ohm.m
Salinity: 3800.00 ppm
Filter Cake: inches

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

Oil API: 22 deg API
Water Salinity: 120000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	SOCW 5%O95%W	3.479
47.00	OCMW 10%O25%M65%W	0.659
46.00	Free Oil	0.645
0.00	62' GIP	0.000

Total Length: 341.00 ft Total Volume: 4.783 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .227 @ 22.2F = 120000 chlorides

