



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1084931

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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: 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
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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	Tengasco, Inc.
Well Name	Offutt 2
Doc ID	1084931

Tops

Name	Top	Datum
Anhydrite	1927	+572
Heebner	3810	-1311
Lansing	3849	-1350
BKC	4206	-1707
Pawnee	4273	-1774
Fort Scott	4352	-1853
Cherokee Sh	4377	-1878
Mississippian	4450	-1951

ALLIED OIL & GAS SERVICES, LLC 056950

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell

DATE <u>4-26-12</u>	SEC. <u>27</u>	TWP. <u>15S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00</u>	JOB FINISH <u>12:30</u>
LEASE <u>OFFER</u>	WELL # <u>2</u>	LOCATION <u>Wakarusa 22.5 to 66 rd</u>			COUNTY <u>Wagon</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>10W 12 1/4 W 1NE2</u>					

CONTRACTOR H₂ Drilling
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 268
 CASING SIZE 6 3/8 2 1/4 DEPTH 265
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 15'
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 15 1/2

OWNER
 CEMENT AMOUNT ORDERED 170sk 3% LL 21.6sl

COMMON	<u>170</u>	@	<u>16.25</u>	<u>2762.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
HANDLING	<u>179</u>	@	<u>2.25</u>	<u>402.75</u>
MILEAGE	<u>15,782</u>			<u>1732.72</u>
TOTAL				<u>5310.92</u>

EQUIPMENT

PUMP TRUCK CEMENTER John
 # 409 HELPER John
 BULK TRUCK DRIVER Lois
 # 410
 BULK TRUCK DRIVER

REMARKS:

run C.H.S., establish circulation
 mix 170 sk class A 3% LL 21.6sl
 at 15:28, displaced 15.5sl
 shut well in
 Plug Down at 16:15
 Cement circulated to surface

SERVICE

DEPTH OF JOB	<u>268</u>		
PUMP TRUCK CHARGE			<u>1175.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>1146</u>	@	<u>700</u>
MANIFOLD		@	
	<u>1146</u>	@	<u>400</u>
		@	
TOTAL			<u>2093.00</u>

CHARGE TO: Tengask
 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.

SALES TAX (If Any) 215.93
 TOTAL CHARGES 7403.92
 DISCOUNT 20/70 2831.14 IF PAID IN 30 DAYS

PRINTED NAME
 SIGNATURE Keith Karls

ALLIED OIL & GAS SERVICES, LLC 056402

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell KS.

DATE <u>5-3-12</u>	SEC. <u>27</u>	TWP. <u>15 S</u>	RANGE <u>25 W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 PM</u>	JOB FINISH <u>3:30 PM</u>
LEASE <u>OFFUTT</u>	WELL # <u>#2</u>	LOCATION <u>Wokemery KS, 20S 9W</u>			COUNTY <u>TRIGO</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)		<u>2 S IN / YAWTND</u>					

CONTRACTOR H² DRLG. Rig #3

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4514

CASING SIZE 858 Surface DEPTH 265

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 X-H DEPTH 1950

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM ✓

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 205 @ 4% GEL

4 # F10-Seal PER SX.

EQUIPMENT

PUMP TRUCK CEMENTER Glen G.

417 HELPER Woody O.

BULK TRUCK

481 DRIVER Cody H.

BULK TRUCK

_____ DRIVER _____

COMMON	<u>123 SX</u>	@	<u>14.25</u>	<u>1998.75</u>
POZMIX	<u>82 SX</u>	@	<u>8.50</u>	<u>697.00</u>
GEL	<u>9 SX</u>	@	<u>21.25</u>	<u>191.25</u>
CHLORIDE	_____	@	_____	_____
ASC	_____	@	_____	_____
<u>F10-Seal</u>	<u>50 LBS</u>	@	<u>2.70</u>	<u>135.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>259 TOTAL SX</u>	@	<u>2.25</u>	<u>582.75</u>
MILEAGE	<u>88 Ton Mile</u>	@	_____	<u>2507.12</u>
	<u>22792</u>	TOTAL		<u>6111.87</u>

REMARKS:

25 SX @ 1950

100 SX @ 950

40 SX @ 325

10 SX @ 40

30 SX @ PAT Hole

THANK'S

CHARGE TO: TENGASCO Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>1950'</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE	_____	@	_____
MILEAGE	<u>88 Lx MI</u>	@	<u>7.00</u>
MANIFOLD	_____	@	_____
	<u>88 Lx MI</u>	@	<u>4.00</u>
	_____	@	_____
TOTAL			<u>2218.00</u>

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		_____

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 _____

SIGNATURE [Signature]

SALES TAX (If Any) 566.43

TOTAL CHARGES 8329.87

DISCOUNT 20/90 3403.53 IF PAID IN 30 DAYS

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: OFFUTT #2
Location: Sec. 27 ;Twnsp. 15s.; Rge. 25 w.
License Number: 32278
Spud Date: 4-26-2012
Surface Coordinates: SW NW SE SE
948' FSL & 1056' FEL
Bottom Hole Coordinates:
Ground Elevation (ft): 2490 K.B. Elevation (ft): 2499
Logged Interval (ft): 3600 To: 4540 Total Depth (ft): 4544
Formation: Mississippian
Type of Drilling Fluid: Chemical
Region: Trego County, KS
Drilling Completed: 5-3-2012

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: TENGASCO, INC.
Address: 1327 Noose Rd.
Hays, KS. 67601

GEOLOGIST

Name: Mike Bair
Company: Basin Resources L.L.C.
Address: Longmont, CO.

FORMATION TOPS

FORMATION	LOG TOP	SAMPLE TOP
Anhydrite	1927 (+572)	1930 (+569)
Heebner	3810 (-1311)	3811 (-1312)
Lansing	3849 (-1350)	3853 (-1353)
BKC	4206 (-1707)	4207 (-1708)
Pawnee	4273 (-1774)	4274 (-1775)
Fort Scott	4352 (-1853)	4354 (-1855)
Chero Sh	4377 (-1878)	4379 (-1880)
Mississippian	4450 (-1951)	4450 (-1951)
TD	4542 (-2043)	4544 (-2045)

DSTs

DST#1 4378-4464 45-45-45-45
IF: weak surface ISI: no return FF: weak surface blow died in 4 minutes: FSI: no return
FP: (54-58)(65-69) SIP: 977 - 987
REC: 25' OCM (12% oil, 88% mud)

Comments

Based on results of DST #1, log analysis and relative structural position; the Offutt #2 was plugged and abandoned at a RTD of 4544'.

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht

- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta

- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Sltst
- Ss
- Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackst

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Spotted
- Ques
- Dead

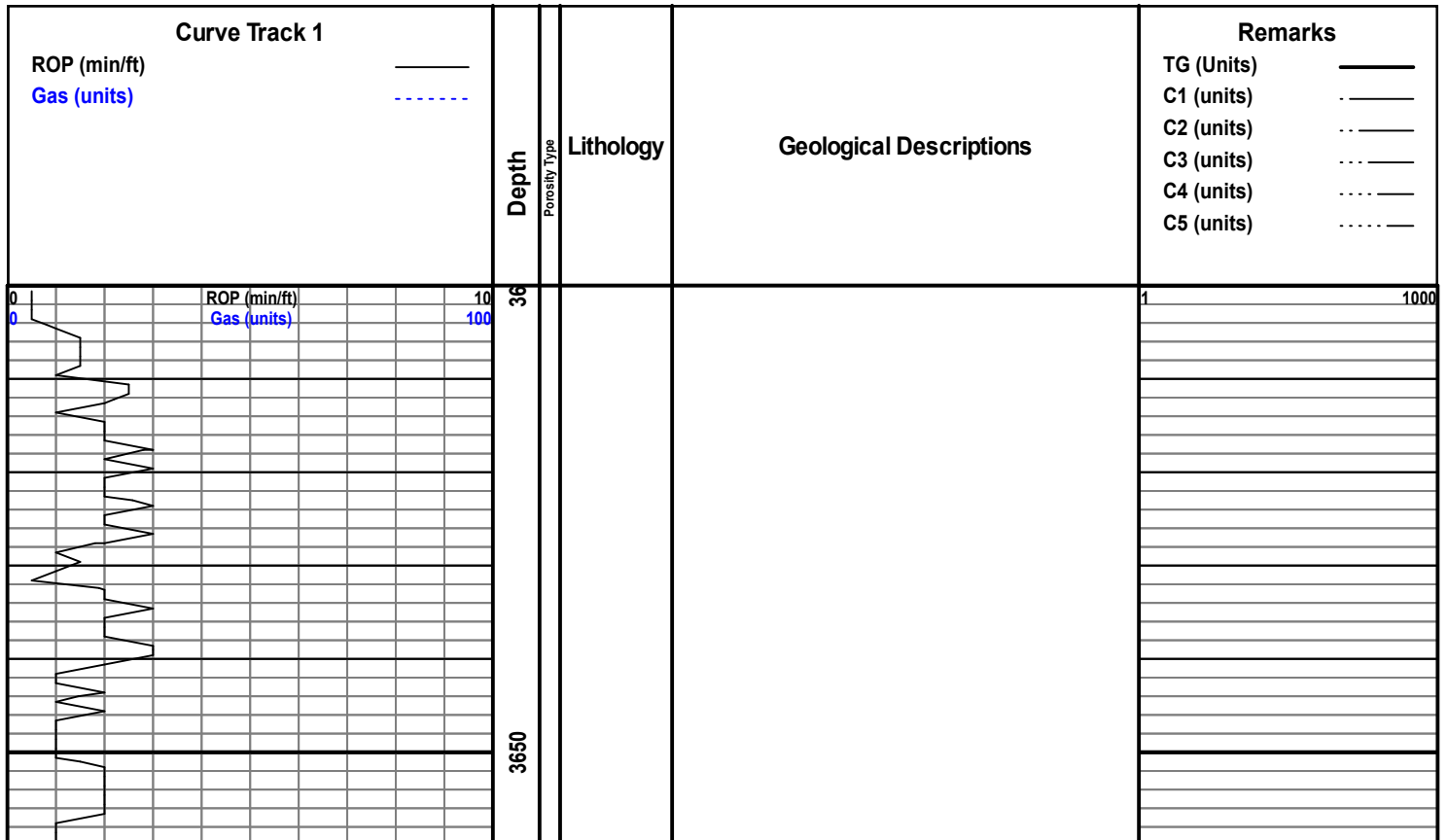
INTERVAL

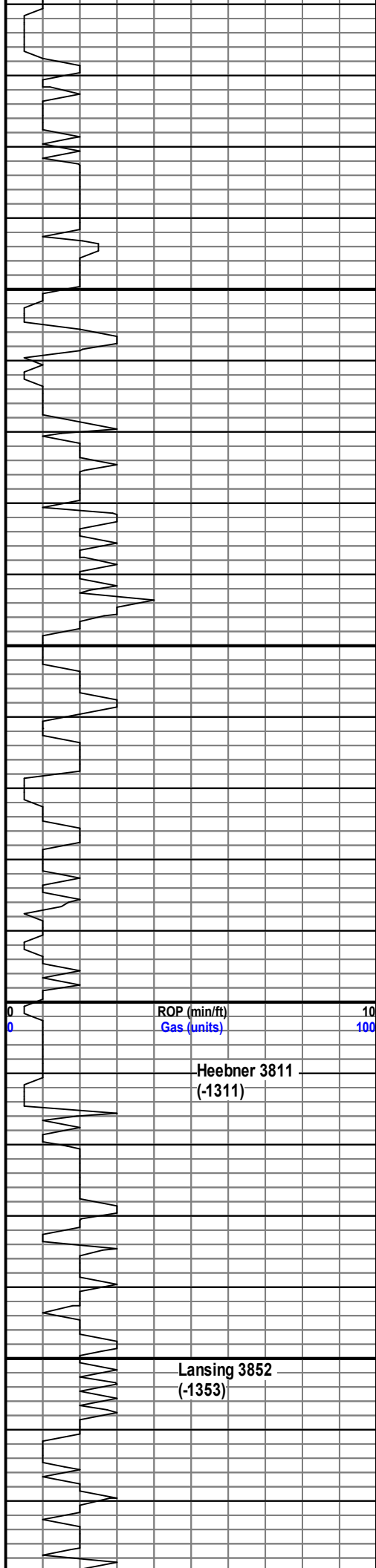
- Core
- Dst

EVENT

- Rft
- Sidewall

- OIL SHOW Even





3700

Ls, crm-tan, fxl to gran, pr to sl por, ns, n/o

Ls, tan, pkstn, organic stn, ns, n/o; Sh, gry

Sh, grn-mrn; Ls, tan, fxl to mealy, few pc Chert, tan, foss, fresh, dense, ns, n/o

vis 54
wt 9.1
lcm 2#

3750

Ls, crm-tan, fxl, foss frags, ns, n/o

a/a to Ls, tan, grnstn, micropyrte in few, pr por, ns, n/o

Ls, tan-lt gry, pkstn-grnstn, spt'd ix gran por, ns, n/o

vis 48
wt 9.2
LCM 1#

3800

ROP (min/ft) 10
Gas (units) 100

Heebner 3811
(-1311)

SH, blk 3830 sample

Ls, crm, fxl to gran, sct'd ix gran por, ns, n/o

Ls, a/a, sl cky, ns, n/o

Sh, slst, grn; Ls, crm-tan, fxl to pkstn, ns, n/o

Ls, wh-crm, foss, pr vis por, ns, n/o

3850

Lansing 3852
(-1353)

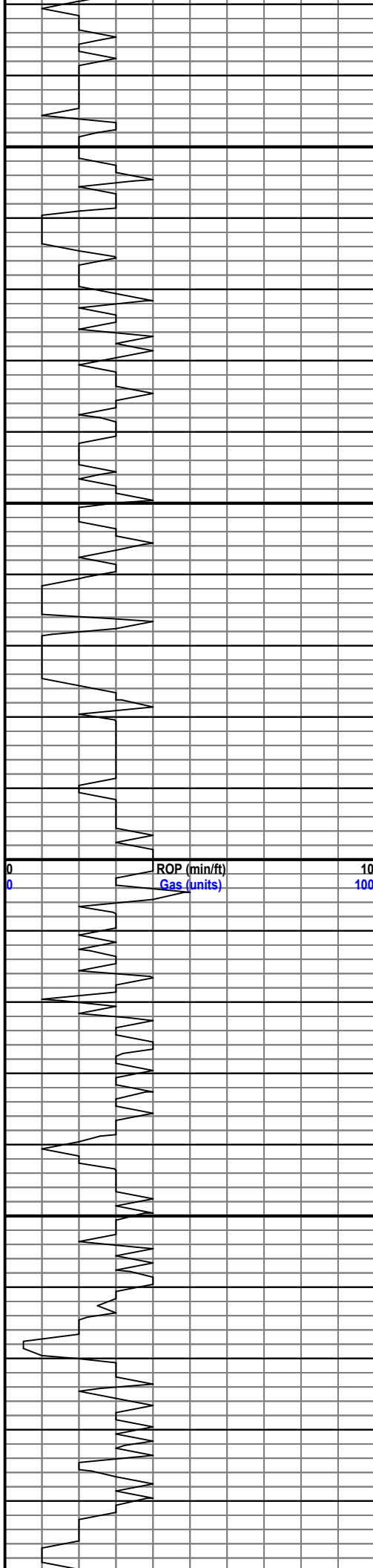
Ls, wh-ofwh, fxl to sl gran, few foss, ns, n/o

Chert, wh-trans, r pc Ls, ool, pr ool por, cal rexln, ns, n/o

MUDCO CK 3865

vis 50
wt 9.1
WL 8.0
LCM 2#
Chlr 1800

Ls, crm-tan, pkstn-grnstn, pr vis por, ns, n/o 3900



3900

3950

4000

4050

4100

Ls, crm, fxl to few ool, sl ool por, ns, n/o

Ls, tna, grnstrn, pr vis por; Chert, gry, dse, fresh, ns, n/o

Chert, wh-tan; Ls, crm, gran to ool, nvp. ns, n/o

Sh, olive grn-gry; Ls, a/a, nvp, ns, n/o

a/a; Chert, wh-transl, fresh, dse, ns, n/o

Ls, crm-lt tan, fxl to gran, ns, n/o

Chert, wh-tan, foss, few ool; Ls, wh-of wh, fxl to wkstn, ns, n/o

Ls, wh, fxl, few ool, pr to sl ixool por, ns, n/o

SH, blk; Ls, tan-brn, ool to foss, pr vis por, ns, n/o

Chert, transl-tan, few foss; Ls, crm, mdstrn, ns, n/o
4030

few pcs Sh, blk; Chert, a/a to gry; Ls, wh-crm, fxl to wkstn, cky in pt, ns, n/o

Ls, wh, oom, sl to fr oom por, barren, n/o 4070 sample

Ls, wh-lt gry, fxl, few oom a/a, ns, n/o

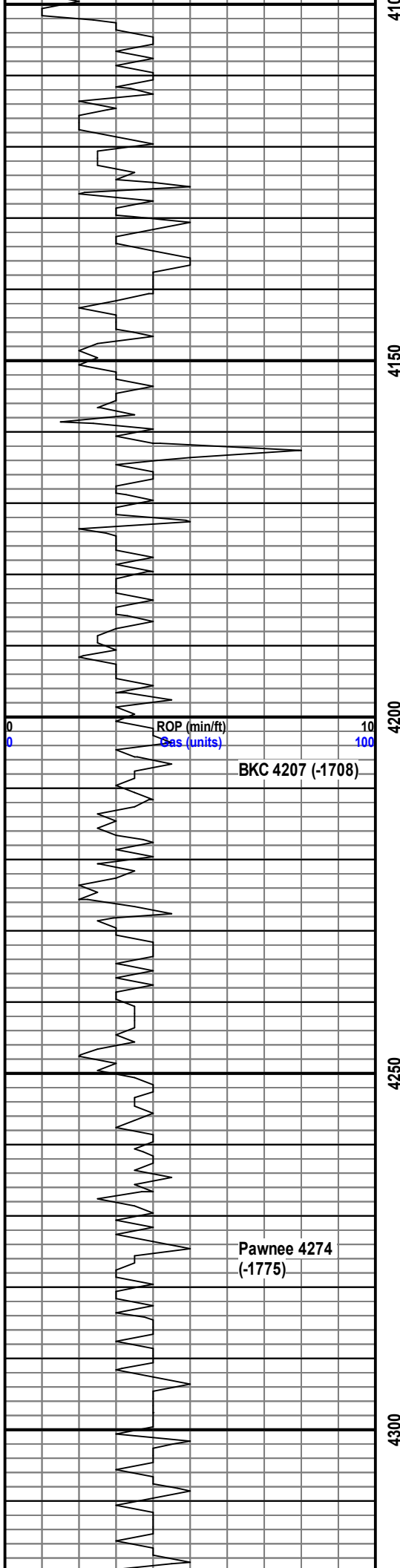
Ls, mdstrn to grnstrn (ool), some cal rexln, ns, n/o

abdn't Sh, blk, gry, grn; Chert, transl-tan, fresh, dse, ns, n/o

1 1000

vis 51
wt 9.3
LCM 2#

vis 50
wt 9.2
LCM 2#



Ls, crm-gry, fxl to pkstn, foss, ns, n/o cky in pt

vis 48
wt 9.1
LCM 3#

Ls, crm, wkstn, pr vis por, Sh, gry-grn, ns, n/o

Sh, a/a; ; Ls, crm-gry, fxl, some dse; Slst, gry, ns, n/o

vis 48
wt 9.2
LCM 4#

Ls, crm-lt tan, mdstn, r pc Chert, brn; Sh, lt tan, ns, n/o

a/ato Ls, wh ool, cky, pr vis por, ns, n/o

Sh, v.c., Ls, wh-crm, fxl to ool, pr vis por, ns, n/o

Ls, wh-crm, fxl, some cal rexln, pr por, ns, n/o

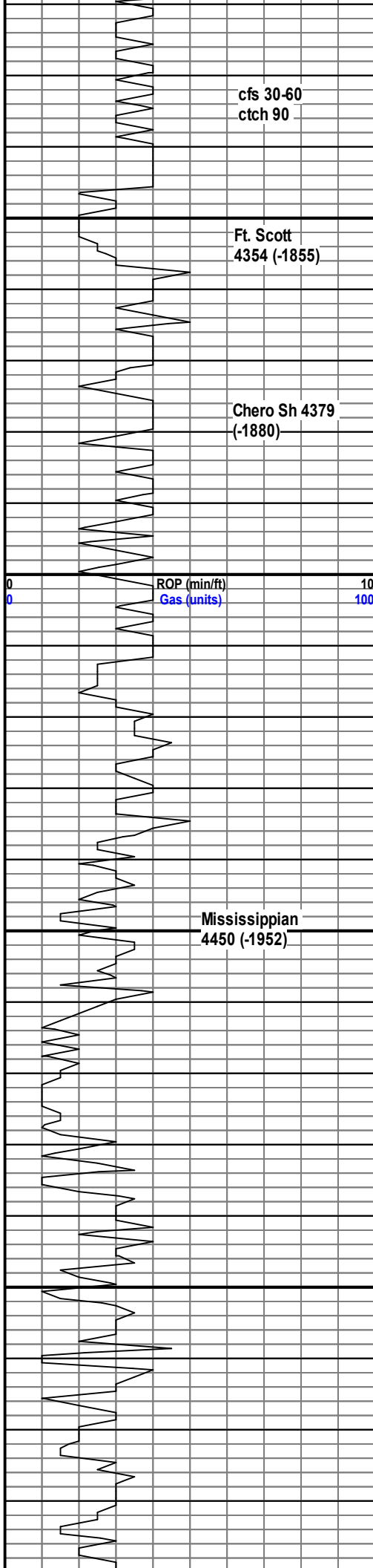
Ls, crm-tan, mdstn, few w weathered rind; Sh, lt tan, sl slty, ns, n/o

Abdn't Sh, lt tan a/a

a/a; sct'd Ls, tan, mdstn, nvp, ns, n/o

flood of Sh, dk gry to a/a

MUDCO CK 4318
vis 47
wt 9.4



cfs 30-60
ctch 90

Ft. Scott
4354 (-1855)

Chero Sh 4379
(-1880)

Mississippian
4450 (-1952)

ROP (min/ft)
Gas (units)

4350

4400

4450

4500

a/a to Ls, crm, fxl, ns, n/o

SH, blk, some Ls, wh, fxl to wkstn, ns, n/o

a/a

Ls, wh, fxl to sl grn, sl pp to sl ixgran por, (1 pc sl vgy por), spt'd surf stn, sl sfo wh bxn, poss v wk odor 4390

Ls, crm-tan, fxl, few foss frags, few pcs Sh, blk, ns, n/o

Ls, a/a; r pc Ls, flesh, v sl pp por, spt'd surf stn, v sl sfo wh bxn, sl odor wh bxn, v low rep 4410 sample

Sh, grn; Ls, wh-tan, mst fxl, nvp, ns, n/o

Ls, wh-tan, fxl, few sl cky, r pc w v sl surf stn, nsfo, sl od wh bxn to r pc Ls, wh, fxl, hvy blk oil stn, nsfo 4440 sample

Chert, yellow, r pc w gil stn, to Chert, brn, wh, few foss, nsfo, n/o 4450 sample

Chert, v.c., few w gil stn; r SS cluster, qtz, f grn, fri, fr srt, ns, n/o 4460

Dolo, crm, spt'd stn, lt sfo wh bxn, v sl pp por, r sm vg, v wk odor, low rep; 4464 20 min sample

Dolo, crm, suc, sl to L to fr suc por, r sm vy, sat'd stn, L fr to r gd sfo wh bxn, low rep, wk odor 4464 40/60 min

abdn't Sh, v.c., Dolo, a/a

Dolo, crm-wh, suc-fxl, sl-L fr suc por, sct'd algal linament, sl-fr vgy por, lt sat'd stn, lt sfo, gd odor 4490 sample

Dolo, a/a to Dolo, tan, sl-fr vy por, r pc gd vg por, sat'd stn, lt sfo wh bxn, incr barren; Chert, bone wh, fr odor 4500

Ls, wh, pkstn, nvp to Dolo, wh-crm, suc to algal linament, dec sfo, dec in dolo, v lt sfo wh bxn, l-fr odor, sparry cal xls, 4510

Ls, wh, fxl to ool, pr vis por; Dolo, wh, suc-fxl, many w grn incl to Dolo, a/a much dec in sfo, many barren, r pc Chert, wh, lt odor 4530

Dolo, gry to tan, fxl, dk incl (sh), barren; Chert, trans-wh; considerable spar cal some w pyrite, n/o

a/a

WL 7.6
LCM 3#
Chlr 2600

SHORT TRIP 4335

1 1000

DST#1 4378-4464
MUDCO CK 4464
vis 48
wt 9.2
WL 7.2
LCM 3#
Chlr 2700

vis 51
wt 9.6

RTD 4544

4550

00

LCM 4#



DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Offutt #2

27-15s-25w Trego,KS

Start Date: 2012.05.02 @ 08:00:15

End Date: 2012.05.02 @ 15:33:15

Job Ticket #: 47225 DST #: 1

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

Printed: 2012.05.04 @ 14:00:28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco, Inc.

27-15s-25w Trego,KS

PO Box 458
Hays, KS 67601

Offutt #2

Job Ticket: 47225

DST#: 1

ATTN: Mike Bair

Test Start: 2012.05.02 @ 08:00:15

GENERAL INFORMATION:

Formation: **Cherokee & Mississip**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:10:45

Time Test Ended: 15:33:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 4378.00 ft (KB) To 4464.00 ft (KB) (TVD)

Reference Elevations: 2499.00 ft (KB)

Total Depth: 4464.00 ft (KB) (TVD)

2490.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 68.66 psig @ 4448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.02 End Date: 2012.05.02

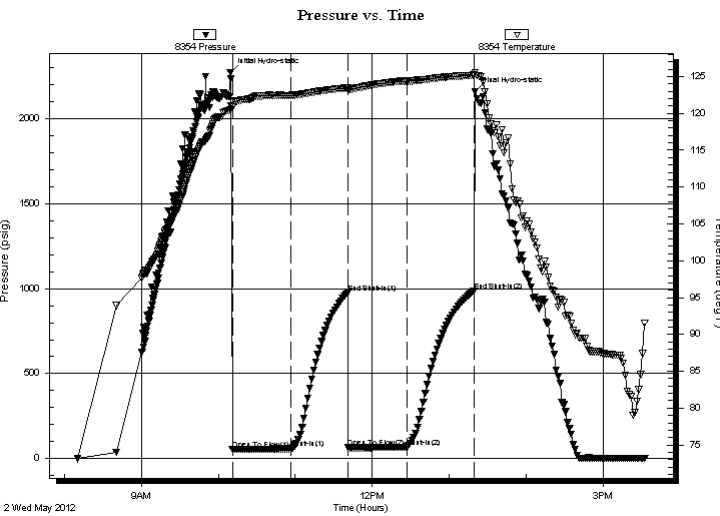
Last Calib.: 2012.05.02

Start Time: 08:10:15 End Time: 15:33:15

Time On Btm: 2012.05.02 @ 10:09:15

Time Off Btm: 2012.05.02 @ 13:20:15

TEST COMMENT: IF-Weak surface blow . Surging surface blow @ 19 minutes.
ISI-No Return.
FF-Weak surface blow . Died @ 4 minutes.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.23	120.51	Initial Hydro-static
2	54.43	120.83	Open To Flow (1)
48	57.97	122.45	Shut-In(1)
92	976.99	123.49	End Shut-In(1)
92	64.84	123.18	Open To Flow (2)
138	68.66	124.36	Shut-In(2)
190	987.29	125.20	End Shut-In(2)
191	2159.10	125.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	12%Oil/88%Mud	0.12

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

27-15s-25w Trego,KS

PO Box 458
Hays, KS 67601

Offutt #2

Job Ticket: 47225

DST#: 1

ATTN: Mike Bair

Test Start: 2012.05.02 @ 08:00:15

Tool Information

Drill Pipe:	Length: 4051.00 ft	Diameter: 3.80 inches	Volume: 56.82 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose:	5000.00 lb
		Total Volume: 58.35 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	71000.00 lb
Depth to Top Packer:	4378.00 ft			Final	71000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	86.00 ft				
Tool Length:	114.00 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			4351.00	
Shut In Tool	5.00			4356.00	
Hydraulic tool	5.00			4361.00	
Jars	5.00			4366.00	
Safety Joint	3.00			4369.00	
Packer	5.00			4374.00	28.00 Bottom Of Top Packer
Packer	4.00			4378.00	
Stubb	1.00			4379.00	
Perforations	5.00			4384.00	
Change Over Sub	1.00			4385.00	
Drill Pipe	62.00			4447.00	
Change Over Sub	1.00			4448.00	
Recorder	0.00	8354	Inside	4448.00	
Recorder	0.00	8520	Outside	4448.00	
Perforations	13.00			4461.00	
Bullnose	3.00			4464.00	86.00 Bottom Packers & Anchor
Total Tool Length:	114.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

27-15s-25w Trego,KS

PO Box 458
Hays, KS 67601

Offutt #2

Job Ticket: 47225

DST#: 1

ATTN: Mike Bair

Test Start: 2012.05.02 @ 08:00:15

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	12%Oil/88%Mud	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

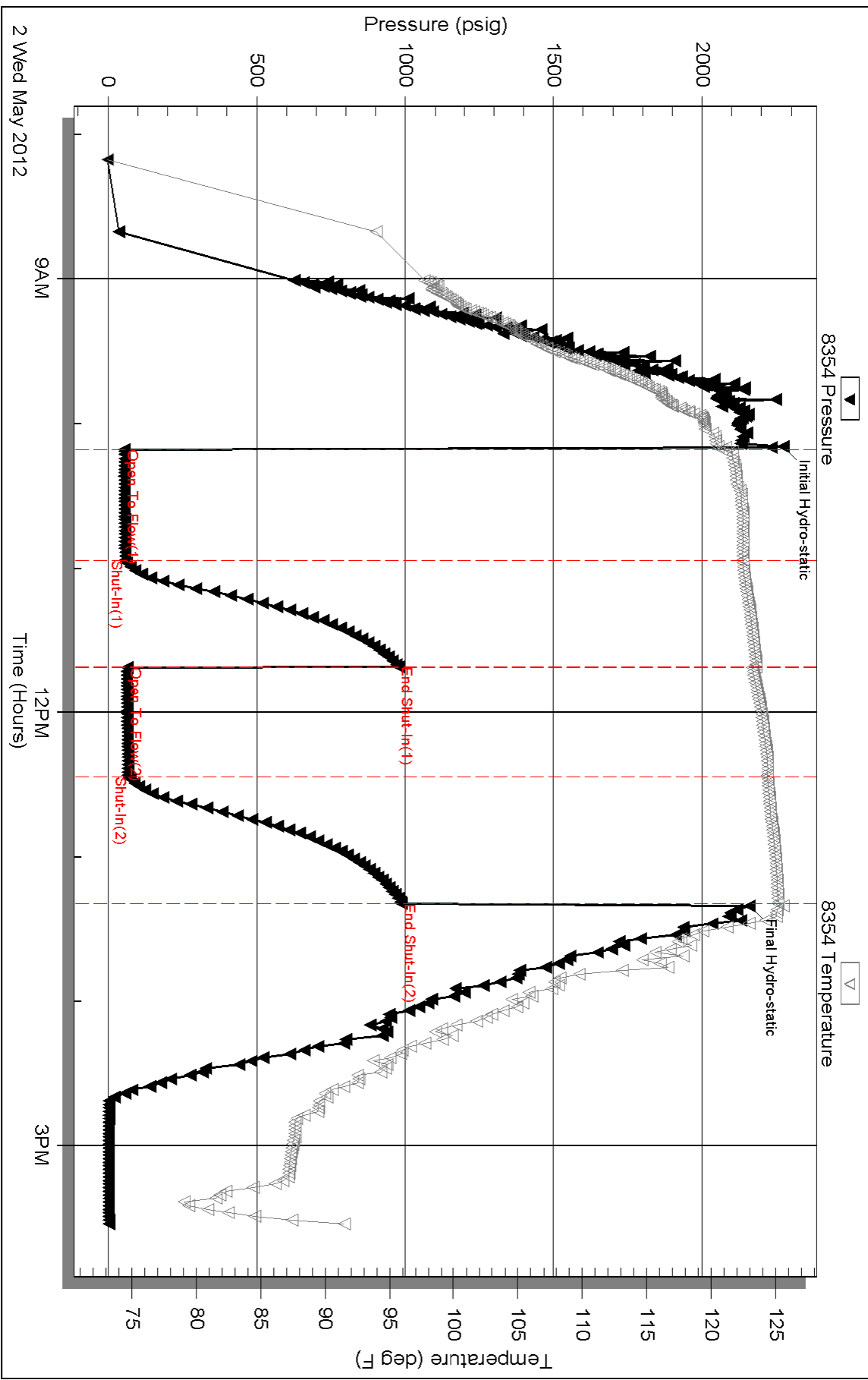
Inside

Tengasco, Inc.

Offutt #2

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47225

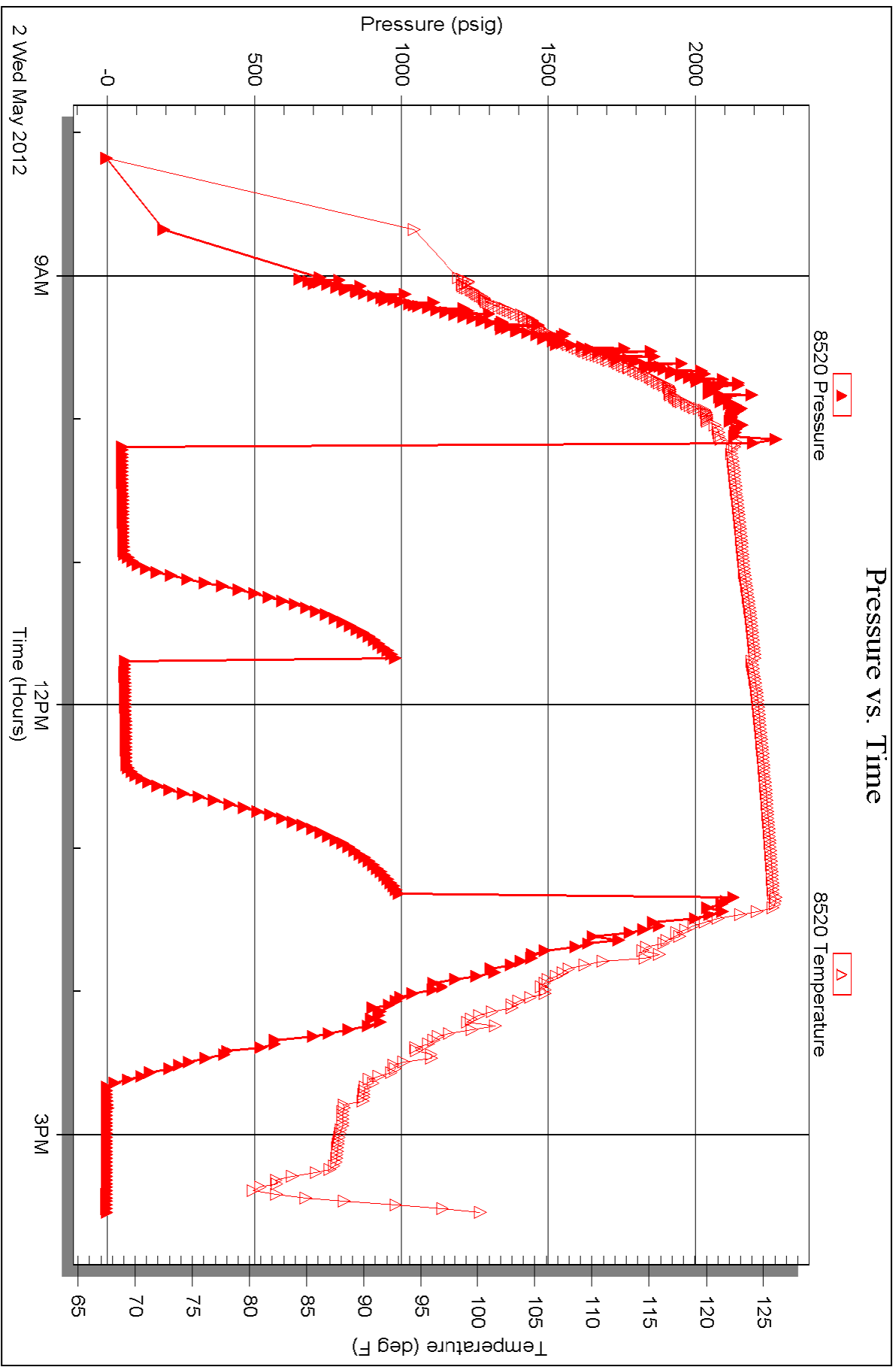
Printed: 2012.05.04 @ 14:00:30

Serial #: 8520

Outside Tengasco, Inc.

Offutt #2

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 04 2012
BY: _____

Test Ticket

NO. 47225

Well Name & No. OFFUTT #2 Test No. 1 Date 5-2-12
 Company Tergasco, Inc. Elevation 2499 KB 2490 GL
 Address P.O. Box 458 Hays, KS 67601
 Co. Rep / Geo. Mike Bair Rig H2 Drilling 3
 Location: Sec. 27 Twp. 15S Rge. 25W Co. Trego State KS

Interval Tested 4378-4464 Zone Tested Cherokee & Mississippian
 Anchor Length 86' Drill Pipe Run 0 Mud Wt. 9.4
 Top Packer Depth 4373 Drill Collars Run 310.85 Vis 47
 Bottom Packer Depth 4378 Wt. Pipe Run 0 WL 7.6
 Total Depth 4464 Chlorides 2600 ppm System LCM 3#

Blow Description TF- Weak surface blow. Surging surface blow @ 19 minutes.
FSE- No Return.
FF- Weak surface blow. Died @ 4 minutes.
FSE- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>OCM</u>	<u>12</u>		<u>88</u>	
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 25 BHT Gravity 1.250 API RW @ 75 °F Chlorides _____ ppm

(A) Initial Hydrostatic 2272 Test 1250 T-On Location 0420
 (B) First Initial Flow 54 Jars 250 T-Started 0810
 (C) First Final Flow 58 Safety Joint 75 T-Open 1010
 (D) Initial Shut-In 977 Circ Sub _____ T-Pulled 1315
 (E) Second Initial Flow 65 Hourly Standby X/hr 100 T-Out 1530
 (F) Second Final Flow 69 Mileage 70XZ 2170 Comments Best- 0800
 (G) Final Shut-In 987 Sampler _____
 (H) Final Hydrostatic 2159 Straddle _____

Initial Open 45 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 45 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1892
 Sub Total 1892 MP/DST Disc _____

Approved By _____ Our Representative D. Kash

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