Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1195662

Form ACO-1
August 2013
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: 1327 NOOSE RD
Address 2: PO BOX 458
City: HAYS State: KS Zip: 67601 + 9744
Contact Person: Gary Wagner
Phone: (785) 625-6374
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC
Wellsite Geologist: Mike Bair
Purchaser: N/A

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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/07/2014	03/13/2014	03/14/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-24178-00-00
Spot Description:
_ E2 _ E2 _ SW Sec. 21 Twp. 8 S. R. 19 ☐ East ☑ West
1320 Feet from ☐ North / ☑ South Line of Section
2310 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rooks
Lease Name: Veverka E Well #: 1
Field Name:
Producing Formation: N/A
Elevation: Ground: 2030 Kelly Bushing: 2037
Total Vertical Depth: 3575 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 263 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: 44000 ppm Fluid volume: 350 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Tengasco, Inc.
Lease Name: Mosher License #: 32278
Quarter SW Sec. 33 Twp. 8 S. R. 19 ☐ East ☑ West
County: Rooks Permit #: D20839

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

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 03/25/2014

[redacted] 1195662

Operator Name: Tengasco, Inc. Lease Name: Veverka E Well #: 1

Sec. 21 Twp. 8 S. R. 19 ☐ East ☑ West County: Rooks

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

List All E. Logs Run:

Dual Induction
Neuton Density/PE
Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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	12.25	8.625	23	263	Com	170	3% CC, 2% Gel

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☑ Other *(Specify)* D&A

PRODUCTION INTERVAL:
Dry Hole

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Veverka E 1
Doc ID	1195662

Tops

Name	Top	Datum
Anhydrite	1466	+571
Topeka	2976	-939
Heebner	3189	-1152
Toronto	3200	-1163
Lansing	3218	-1181
BKC	3433	-1396
Arbuckle	3467	-1430
TD	3570	-1533

MUD LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**VEVERKA E#1**		
Location:	**E/2 E/2 SW Sec. 21 ;Twnsp. 8 s.; Rge. 19 w.**		
License Number:	**34110**	**Region:**	**Rooks County, KS**
Spud Date:	**3/6/2014**	**Drilling Completed:**	**3/14/2014**
Surface Coordinates:	**1320' FSL 2970' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2030'**	**K.B. Elevation (ft):**	**2037'**
Logged Interval (ft):	**3600' To: 3548'**	**Total Depth (ft):**	**3575'**
Formation:	**Arbuckle**		
Type of Drilling Fluid:	**Chemical**		

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	1466 (+571)	1471 (+566)
Topeka	2976 (-939)	2981 (-944)
Heebner	3189 (-1152)	3185 (-1148)
Toronto	3200 (-1163)	3208 (-1171)
Lansing	3218 (-1181)	3221 (-1184)
BKC	3433 (-1396)	3439 (-1399)
Arbuckle	3467 (-1430)	3468 (-1431)
TD	3570 (-1533)	3575 (-1538)

DSTs

DST#1 3420-3491 (71') 45-45-45-45
IFP: Slowly built to 6": ISI: No blow back
FFP: Very slowly built to 3": FSI: No blow back
SIP: 531 - 344 FP: (28-43)(48-53)
REC: 15' Gsy Oil (80% oil, 20% gas); 60' OCM (15% oil, 85% m)

DST#2 3493 - 3501 30-30-30-30
IFP: Weak surf built to 1/4": ISI: No blow back
FFP: Very weak surf blow: FSI: No blow back
SIP: 856 - 438 FP: (24-26)(29-28)
REC: 10' SOMW (5% oil, 45%mud, 55% water)

Comments

Based DST results and log analysis, the Ververka E#1 was plugged and abandoned at a RTD of 3575'.

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
Wackest

OTHER SYMBOLS

POROSITY

Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint
Vuggy

SORTING

Well
Moderate
Poor

ROUNDING

Rounded
Subrnd
Subang
Angular

OIL SHOW

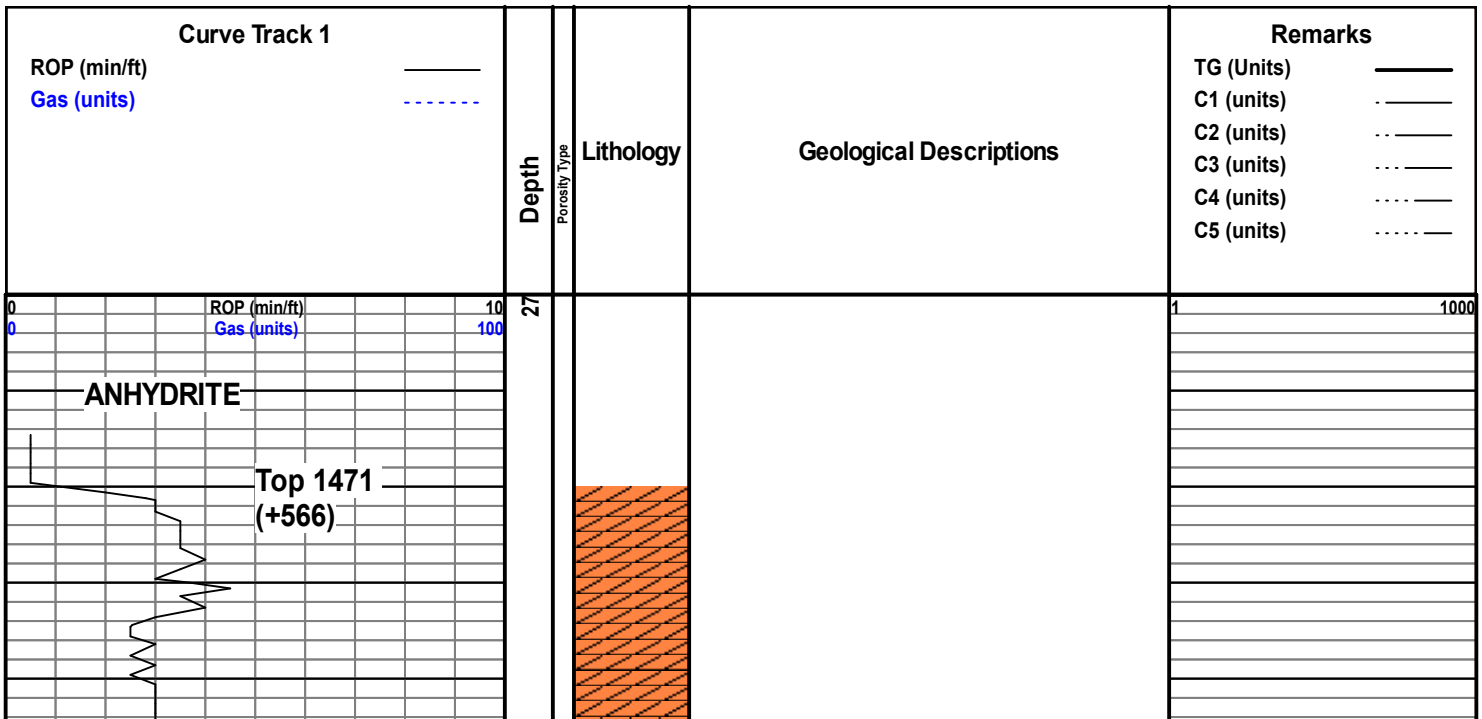
Even
Spotted
Ques
Dead

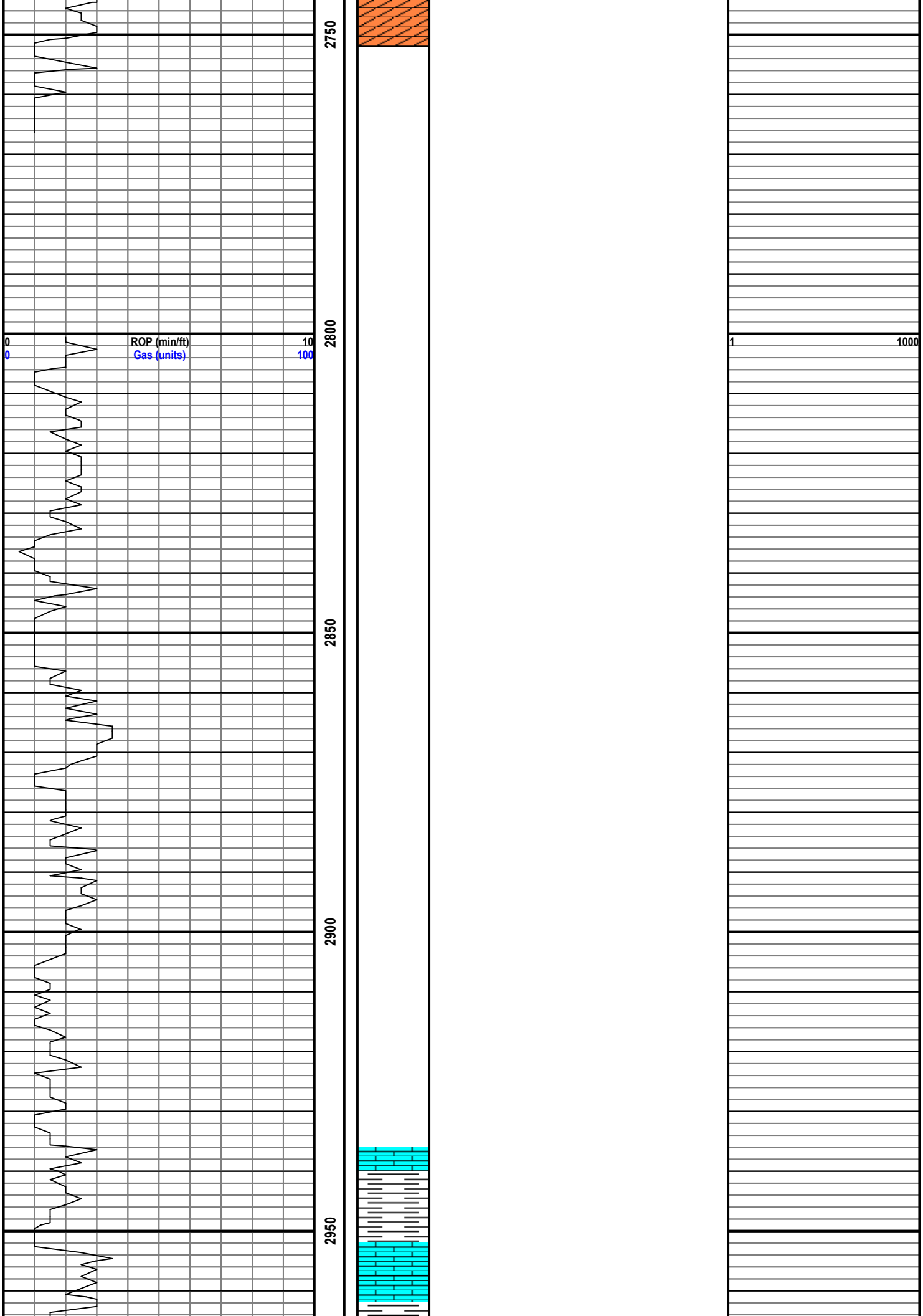
INTERVAL

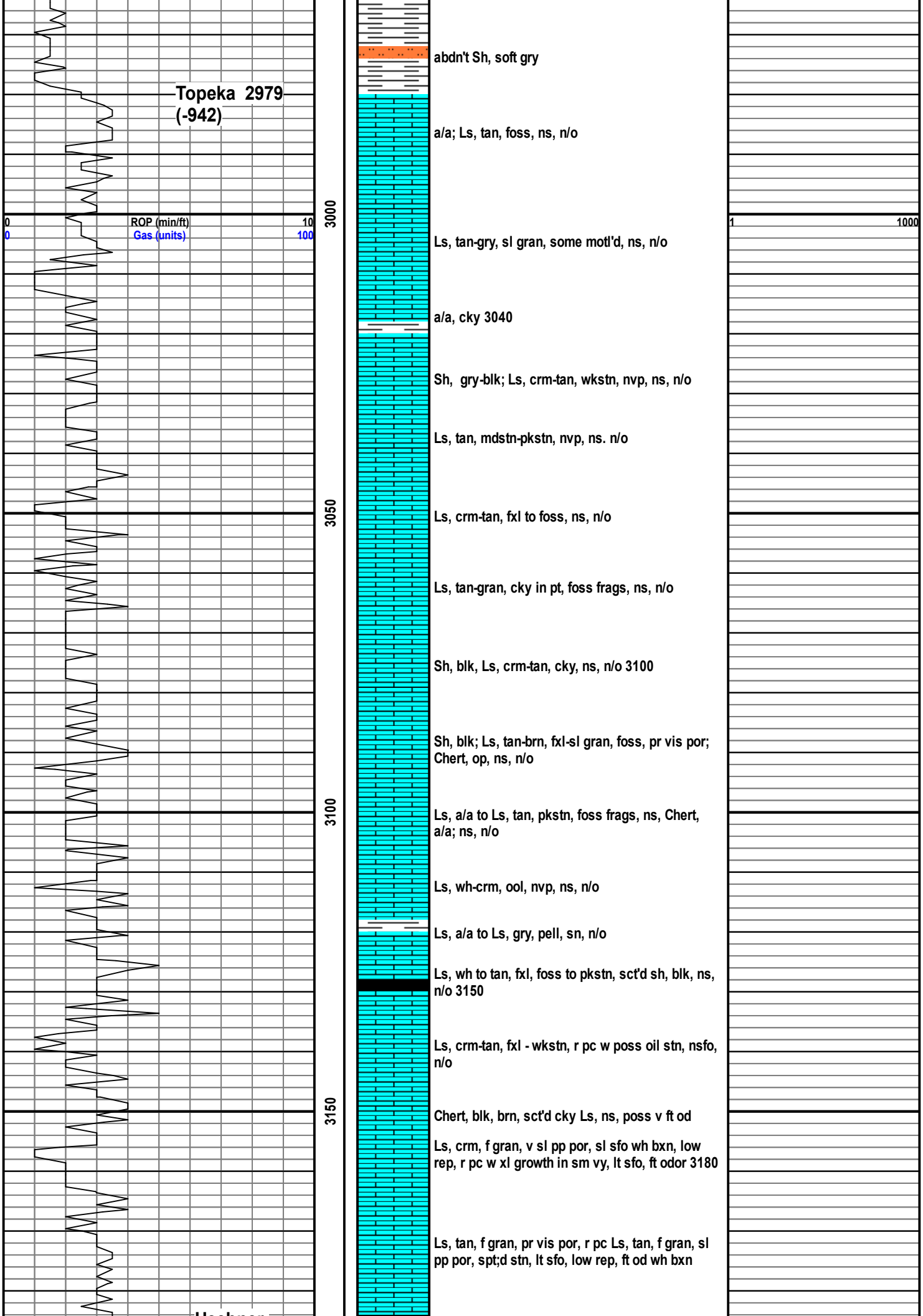
Core
Dst

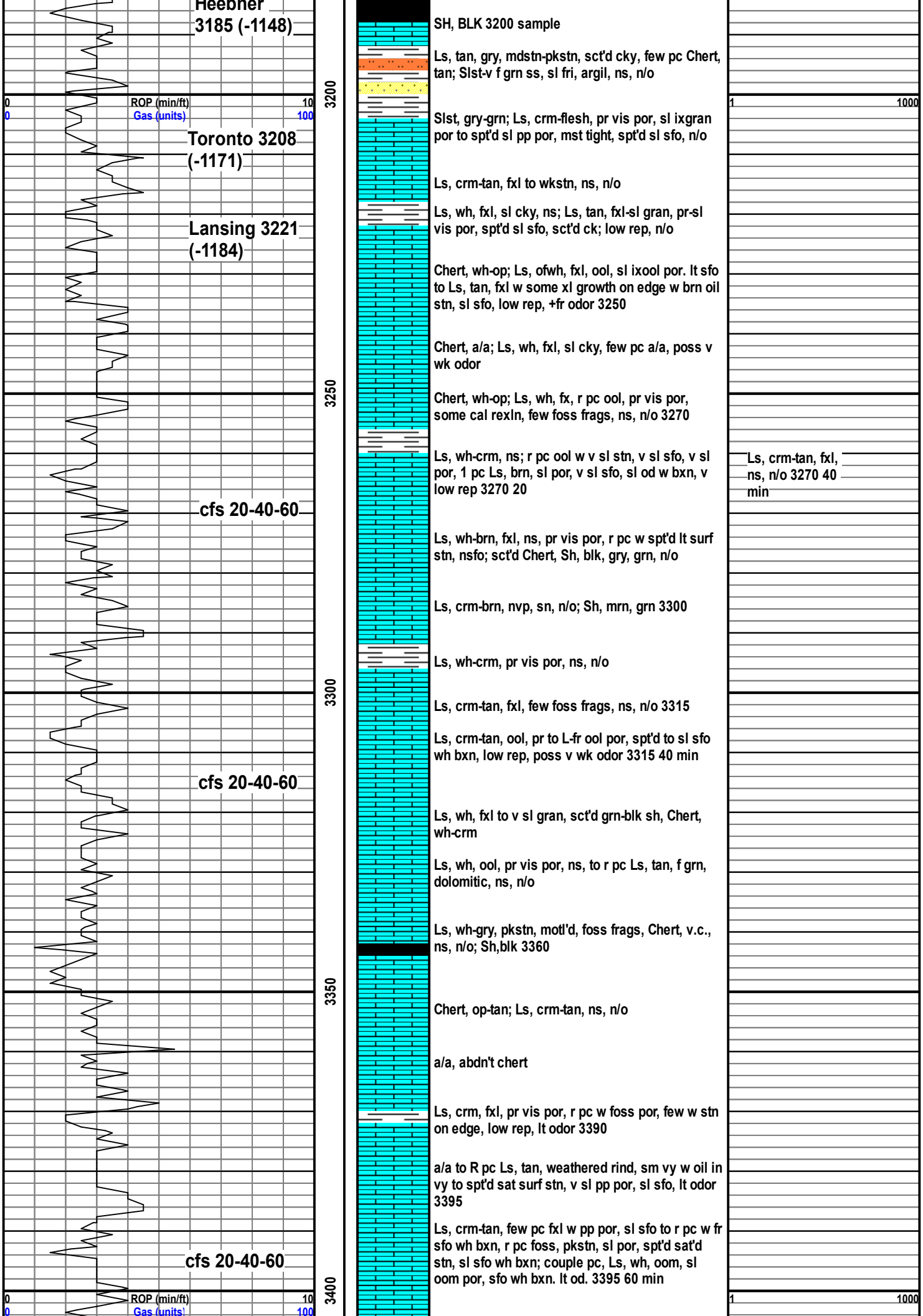
EVENT

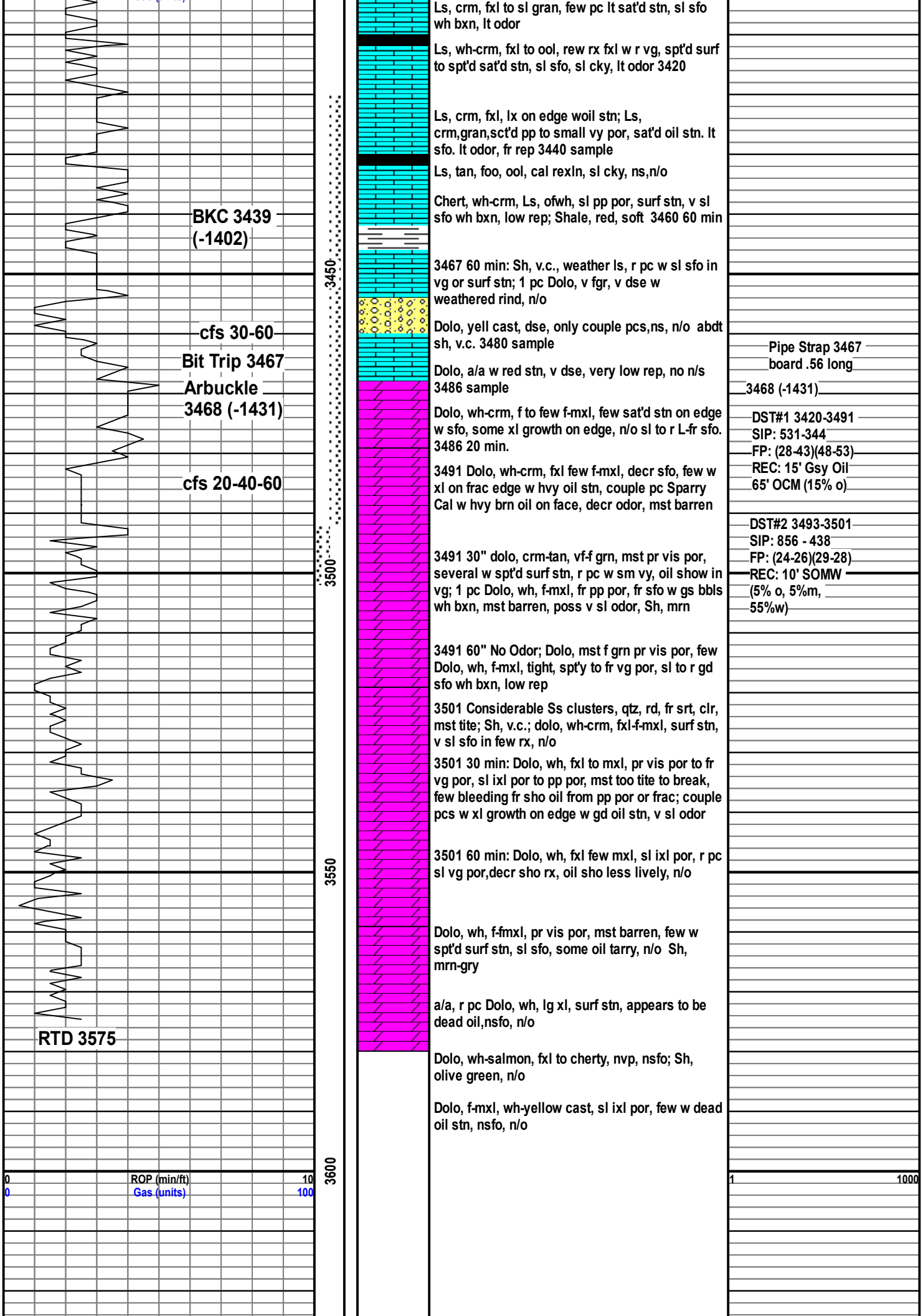
Rft
Sidewall

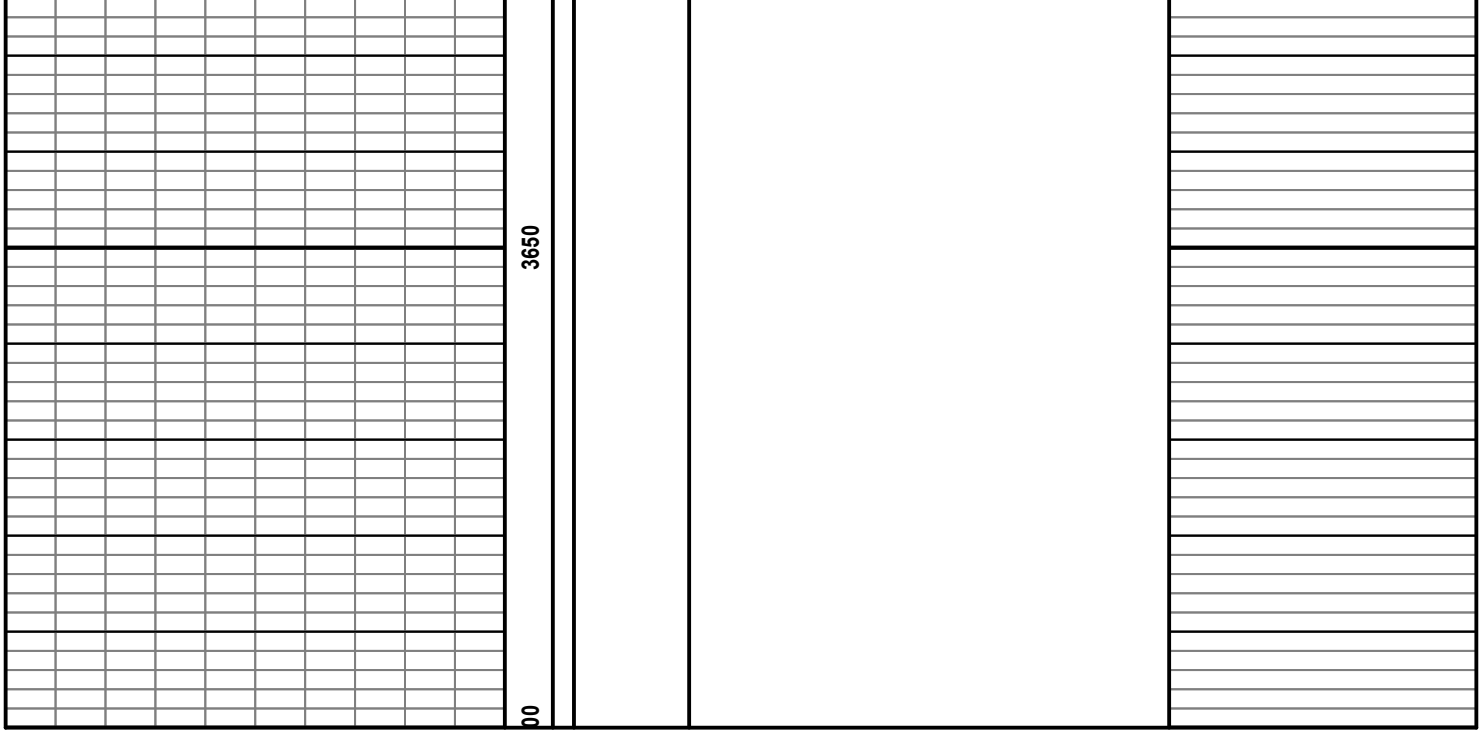



0
ROP (min/ft)
10
0
Gas (units)
100
1
1000
2750
2800
2850
2900
2950


Topeka 2979
(-942)
0
ROP (min/ft)
10
0
Gas (units)
100
3000
3050
3100
3150
1
1000
abdn't Sh, soft gry
a/a; Ls, tan, foss, ns, n/o
Ls, tan-gry, sl gran, some motl'd, ns, n/o
a/a, cky 3040
Sh, gry-blk; Ls, crm-tan, wkstn, nvp, ns, n/o
Ls, tan, mdstn-pkstn, nvp, ns. n/o
Ls, crm-tan, fxl to foss, ns, n/o
Ls, tan-gran, cky in pt, foss frags, ns, n/o
Sh, blk, Ls, crm-tan, cky, ns, n/o 3100
Sh, blk; Ls, tan-brn, fxl-sl gran, foss, pr vis por; Chert, op, ns, n/o
Ls, a/a to Ls, tan, pkstn, foss frags, ns, Chert, a/a; ns, n/o
Ls, wh-crm, ool, nvp, ns, n/o
Ls, a/a to Ls, gry, pell, sn, n/o
Ls, wh to tan, fxl, foss to pkstn, sct'd sh, blk, ns, n/o 3150
Ls, crm-tan, fxl - wkstn, r pc w poss oil stn, nsfo, n/o
Chert, blk, brn, sct'd cky Ls, ns, poss v ft od
Ls, crm, f gran, v sl pp por, sl sfo wh bxn, low rep, r pc w xl growth in sm vy, lt sfo, ft odor 3180
Ls, tan, f gran, pr vis por, r pc Ls, tan, f gran, sl pp por, spt;d stn, lt sfo, low rep, ft od wh bxn


Heebner
3185 (-1148)
0
ROP (min/ft)
10
0
Gas (units)
100
3200
Toronto 3208
(-1171)
Lansing 3221
(-1184)
3250
cfs 20-40-60
3300
cfs 20-40-60
3350
cfs 20-40-60
3400
0
ROP (min/ft)
10
0
Gas (units)
100
SH, BLK 3200 sample
Ls, tan, gry, mdstn-pkstn, sct'd cky, few pc Chert, tan; Slst-v f grn ss, sl fri, argil, ns, n/o
Slst, gry-grn; Ls, crm-flesh, pr vis por, sl ixgran por to spt'd sl pp por, mst tight, spt'd sl sfo, n/o
Ls, crm-tan, fxl to wkstn, ns, n/o
Ls, wh, fxl, sl cky, ns; Ls, tan, fxl-sl gran, pr-sl vis por, spt'd sl sfo, sct'd ck; low rep, n/o
Chert, wh-op; Ls, ofwh, fxl, ool, sl ixool por. lt sfo to Ls, tan, fxl w some xl growth on edge w brn oil stn, sl sfo, low rep, +fr odor 3250
Chert, a/a; Ls, wh, fxl, sl cky, few pc a/a, poss v wk odor
Chert, wh-op; Ls, wh, fx, r pc ool, pr vis por, some cal rexln, few foss frags, ns, n/o 3270
Ls, wh-crm, ns; r pc ool w v sl stn, v sl sfo, v sl por, 1 pc Ls, brn, sl por, v sl sfo, sl od w bxn, v low rep 3270 20
Ls, wh-brn, fxl, ns, pr vis por, r pc w spt'd lt surf stn, nsfo; sct'd Chert, Sh, blk, gry, grn, n/o
Ls, crm-brn, nvp, sn, n/o; Sh, mrn, grn 3300
Ls, wh-crm, pr vis por, ns, n/o
Ls, crm-tan, fxl, few foss frags, ns, n/o 3315
Ls, crm-tan, ool, pr to L-fr ool por, spt'd to sl sfo wh bxn, low rep, poss v wk odor 3315 40 min
Ls, wh, fxl to v sl gran, sct'd grn-blk sh, Chert, wh-crm
Ls, wh, ool, pr vis por, ns, to r pc Ls, tan, f grn, dolomitic, ns, n/o
Ls, wh-gry, pkstn, motl'd, foss frags, Chert, v.c., ns, n/o; Sh,blk 3360
Chert, op-tan; Ls, crm-tan, ns, n/o
a/a, abdn't chert
Ls, crm, fxl, pr vis por, r pc w foss por, few w stn on edge, low rep, lt odor 3390
a/a to R pc Ls, tan, weathered rind, sm vy w oil in vy to spt'd sat surf stn, v sl pp por, sl sfo, lt odor 3395
Ls, crm-tan, few pc fxl w pp por, sl sfo to r pc w fr sfo wh bxn, r pc foss, pkstn, sl por, spt'd sat'd stn, sl sfo wh bxn; couple pc, Ls, wh, oom, sl oom por, sfo wh bxn. lt od. 3395 60 min
1
1000
Ls, crm-tan, fxl, ns, n/o 3270 40 min
1
1000


BKC 3439
(-1402)
cfs 30-60
Bit Trip 3467
Arbuckle
3468 (-1431)
cfs 20-40-60
RTD 3575
3450
3500
3550
3600
0
ROP (min/ft)
10
0
Gas (units)
100
Ls, crm, fxl to sl gran, few pc lt sat'd stn, sl sfo wh bxn, lt odor
Ls, wh-crm, fxl to ool, rew rx fxl w r vg, spt'd surf to spt'd sat'd stn, sl sfo, sl cky, lt odor 3420
Ls, crm, fxl, lx on edge woil stn; Ls, crm,gran,sct'd pp to small vy por, sat'd oil stn. lt sfo. lt odor, fr rep 3440 sample
Ls, tan, foo, ool, cal rexln, sl cky, ns,n/o
Chert, wh-crm, Ls, ofwh, sl pp por, surf stn, v sl sfo wh bxn, low rep; Shale, red, soft 3460 60 min
3467 60 min: Sh, v.c., weather ls, r pc w sl sfo in vg or surf stn; 1 pc Dolo, v fgr, v dse w weathered rind, n/o
Dolo, yell cast, dse, only couple pcs,ns, n/o abdt sh, v.c. 3480 sample
Dolo, a/a w red stn, v dse, very low rep, no n/s 3486 sample
Dolo, wh-crm, f to few f-mxl, few sat'd stn on edge w sfo, some xl growth on edge, n/o sl to r L-fr sfo. 3486 20 min.
3491 Dolo, wh-crm, fxl few f-mxl, decr sfo, few w xl on frac edge w hvy oil stn, couple pc Sparry Cal w hvy brn oil on face, decr odor, mst barren
3491 30" dolo, crm-tan, vf-f grn, mst pr vis por, several w spt'd surf stn, r pc w sm vy, oil show in vg; 1 pc Dolo, wh, f-mxl, fr pp por, fr sfo w gs bbls wh bxn, mst barren, poss v sl odor, Sh, mrn
3491 60" No Odor; Dolo, mst f grn pr vis por, few Dolo, wh, f-mxl, tight, spt'y to fr vg por, sl to r gd sfo wh bxn, low rep
3501 Considerable Ss clusters, qtz, rd, fr srt, clr, mst tite; Sh, v.c.; dolo, wh-crm, fxl-f-mxl, surf stn, v sl sfo in few rx, n/o
3501 30 min: Dolo, wh, fxl to mxl, pr vis por to fr vg por, sl ixl por to pp por, mst too tite to break, few bleeding fr sho oil from pp por or frac; couple pcs w xl growth on edge w gd oil stn, v sl odor
3501 60 min: Dolo, wh, fxl few mxl, sl ixl por, r pc sl vg por,decr sho rx, oil sho less lively, n/o
Dolo, wh, f-fmxl, pr vis por, mst barren, few w spt'd surf stn, sl sfo, some oil tarry, n/o Sh, mrn-gry
a/a, r pc Dolo, wh, lg xl, surf stn, appears to be dead oil,nsfo, n/o
Dolo, wh-salmon, fxl to cherty, nvp, nsfo; Sh, olive green, n/o
Dolo, f-mxl, wh-yellow cast, sl ixl por, few w dead oil stn, nsfo, n/o
Pipe Strap 3467
board .56 long
3468 (-1431)
DST#1 3420-3491
SIP: 531-344
FP: (28-43)(48-53)
REC: 15' Gsy Oil
65' OCM (15% o)
DST#2 3493-3501
SIP: 856 - 438
FP: (24-26)(29-28)
REC: 10' SOMW
(5% o, 5%m,
55%w)
1
1000


3650

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Veverka E #1

21-8S-19W Rooks,KS

Start Date: 2014.03.12 @ 18:49:53
End Date: 2014.03.13 @ 02:15:23
Job Ticket #: 54015 DST #: 1

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

Printed: 2014.03.17 @ 10:46:30

DRILL STEM TEST REPORT

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54015 **DST#: 1**

Test Start: 2014.03.12 @ 18:49:53

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:56:53
Time Test Ended: 02:15:23

Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan L
Unit No: 46

Interval: 3420.00 ft (KB) To 3491.00 ft (KB) (TVD)
Total Depth: 3491.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

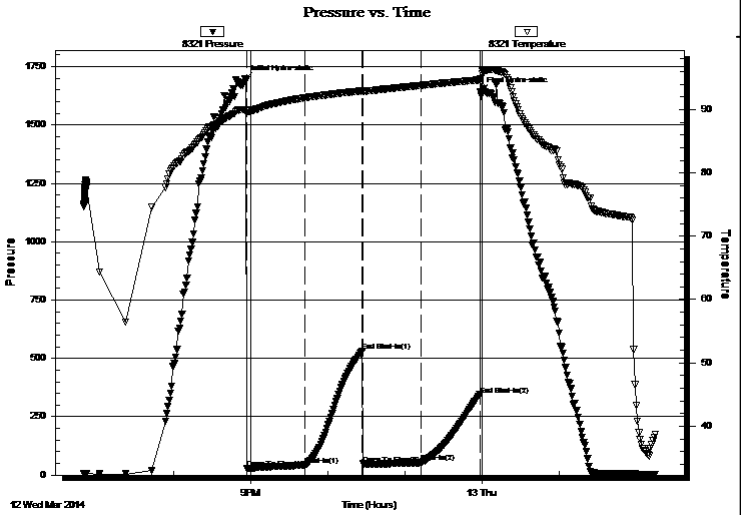
Reference Elevations: 2037.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8321 **Inside**

Press@RunDepth: 53.16 psig @ 3421.00 ft (KB)
Start Date: 2014.03.12 End Date: 2014.03.13
Start Time: 18:49:54 End Time: 02:15:23

Capacity: 8000.00 psig
Last Calib.: 2014.03.13
Time On Btm: 2014.03.12 @ 20:55:23
Time Off Btm: 2014.03.12 @ 23:58:53

TEST COMMENT: 45- IF- Slowly built to 6"
45- ISI- No blow
45- FF- Built very slowly to 3"
45- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.02	90.02	Initial Hydro-static
2	27.99	89.33	Open To Flow (1)
47	42.52	91.88	Shut-In(1)
92	530.54	92.97	End Shut-In(1)
92	48.33	92.89	Open To Flow (2)
138	53.16	93.84	Shut-In(2)
183	344.47	94.70	End Shut-In(2)
184	1643.90	94.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GO, 80%O 20%G	0.20
60.00	OCM, 85%M 15%O	0.82

Gas Rates

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

DRILL STEM TEST REPORT

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54015 **DST#: 1**

Test Start: 2014.03.12 @ 18:49:53

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:56:53
Time Test Ended: 02:15:23

Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan L
Unit No: 46

Interval: 3420.00 ft (KB) To 3491.00 ft (KB) (TVD)
Total Depth: 3491.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

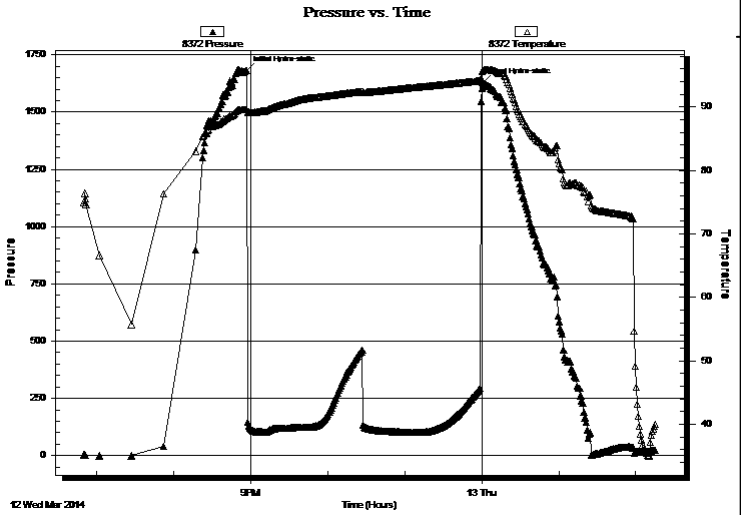
Reference Elevations: 2037.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8372 **Outside**

Press@RunDepth: psig @ 3421.00 ft (KB)
Start Date: 2014.03.12 End Date: 2014.03.13
Start Time: 18:50:17 End Time: 02:16:02

Capacity: 8000.00 psig
Last Calib.: 2014.03.13
Time On Btm: 2014.03.12 @ 20:57:12
Time Off Btm: 2014.03.13 @ 00:00:51

TEST COMMENT: 45- IF- Slowly built to 6"
45- ISI- No blow
45- FF- Built very slowly to 3"
45- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.01	89.54	Initial Hydro-static
184	1629.97	95.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	GO, 80%O 20%G	0.20
60.00	OCM, 85%M 15%O	0.82

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54015 **DST#: 1**

Test Start: 2014.03.12 @ 18:49:53

Tool Information

Drill Pipe:	Length:	3423.00 ft	Diameter:	3.75	inches	Volume:	46.76	bbl	
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.75	inches	Volume:	-	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25	inches	Volume:	0.00	bbl	
						Total Volume:	-	bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	3420.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	71.00 ft
Tool Length:	98.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2500.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		40000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	36000.00 lb
	Final	36000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3394.00		
Shut In Tool	5.00			3399.00		
Hydraulic tool	5.00			3404.00		
Jars	5.00			3409.00		
Safety Joint	2.00			3411.00		
Packer	5.00			3416.00	27.00	Bottom Of Top Packer
Packer	4.00			3420.00		
Stubb	1.00			3421.00		
Recorder	0.00	8321	Inside	3421.00		
Recorder	0.00	8372	Outside	3421.00		
Perforations	3.00			3424.00		
Change Over Sub	1.00			3425.00		
Drill Pipe	62.00			3487.00		
Change Over Sub	1.00			3488.00		
Bullnose	3.00			3491.00	71.00	Bottom Packers & Anchor
Total Tool Length:	**98.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54015 **DST#: 1**

Test Start: 2014.03.12 @ 18:49:53

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:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	inches				

Recovery Information

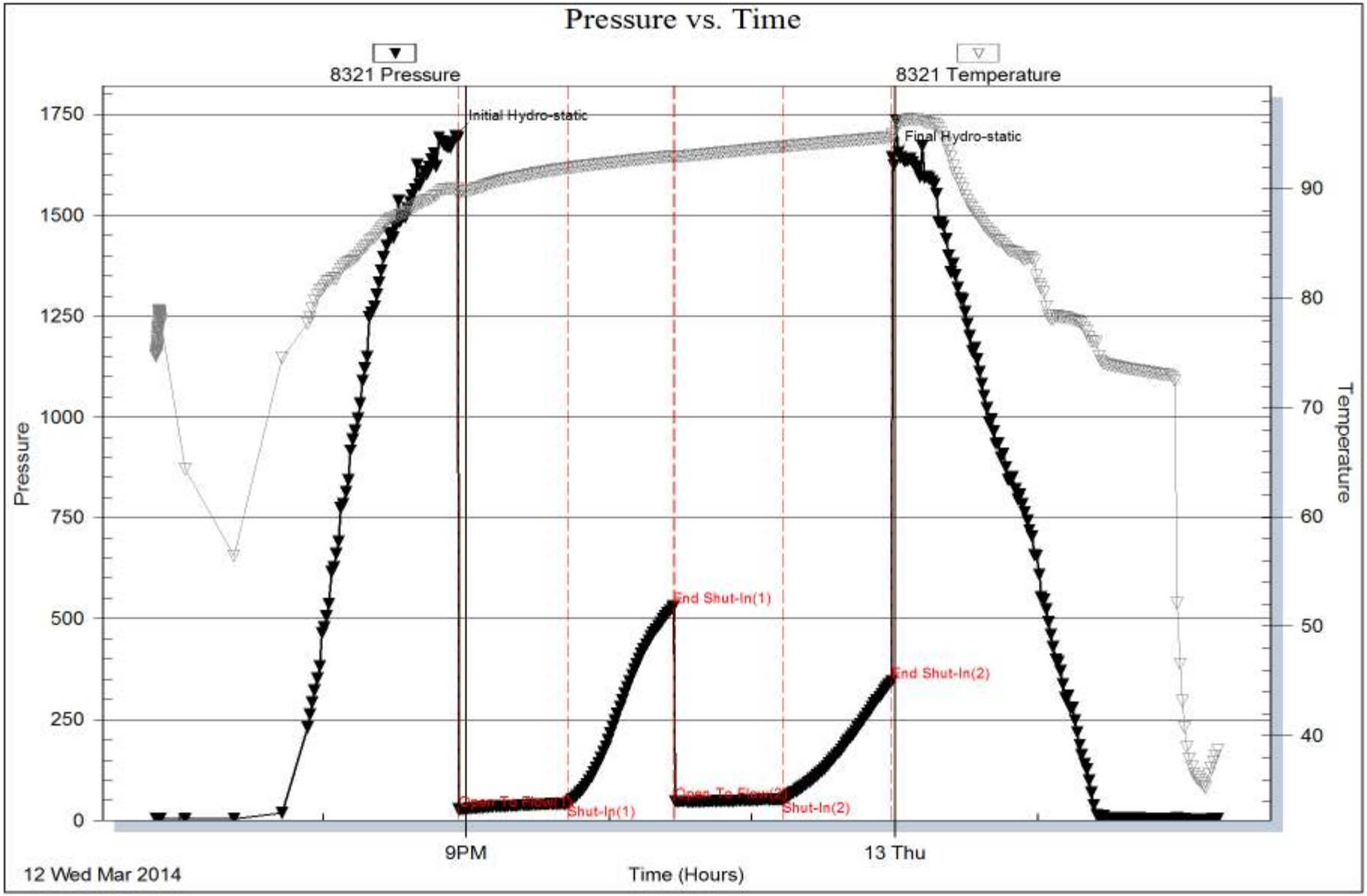
Recovery Table

Length ft	Description	Volume bbl
15.00	GO, 80%O 20%G	0.205
60.00	OCM, 85%M 15%O	0.820

Total Length: 75.00 ft Total Volume: 1.025 bbl

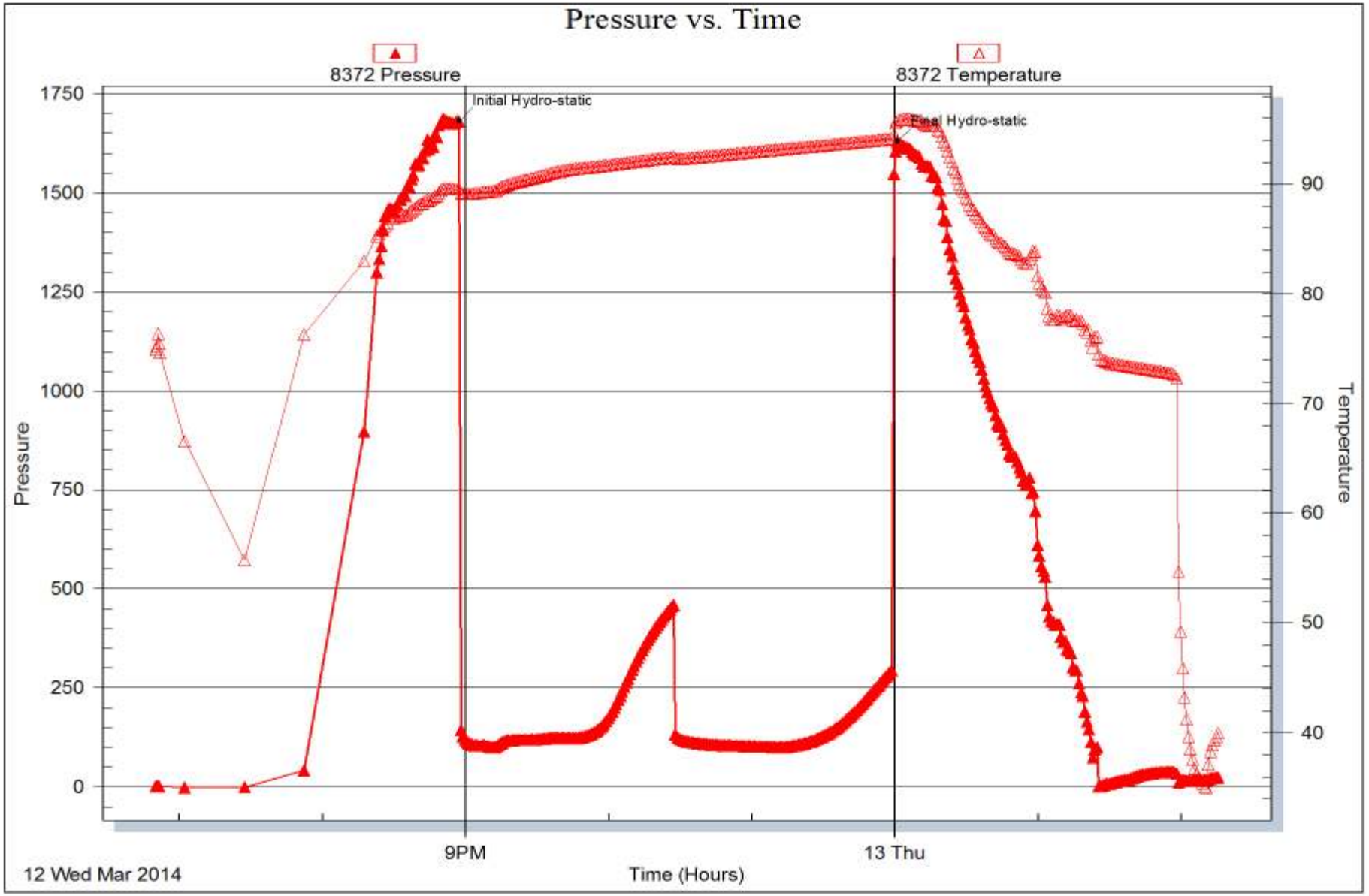
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8321 **Inside** Tengasco, Inc. Veverka E#1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54015 Printed: 2014.03.17 @ 10:46:32

Serial #: 8372 **Outside** Tengasco, Inc. Veverka E#1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 54015 Printed: 2014.03.17 @ 10:46:32

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

Veverka E #1

21-8S-19W Rooks,KS

Start Date: 2014.03.13 @ 09:48:54

End Date: 2014.03.13 @ 15:58:54

Job Ticket #: 54016 DST #: 2

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

Printed: 2014.03.17 @ 10:45:52

DRILL STEM TEST REPORT

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54016 **DST#: 2**

Test Start: 2014.03.13 @ 09:48:54

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:58:24
Time Test Ended: 15:58:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 46

Interval: 3493.00 ft (KB) To 3501.00 ft (KB) (TVD)
Total Depth: 3501.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

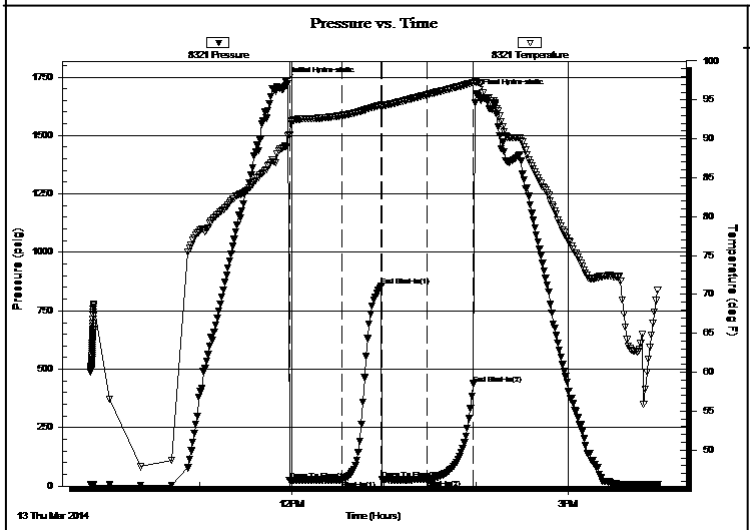
Reference Elevations: 2037.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8321 **Inside**

Press@RunDepth: 27.72 psig @ 3494.00 ft (KB)
Start Date: 2014.03.13 End Date: 2014.03.13
Start Time: 09:48:55 End Time: 15:58:54

Capacity: 8000.00 psig
Last Calib.: 2014.03.13
Time On Btm: 2014.03.13 @ 11:55:54
Time Off Btm: 2014.03.13 @ 13:59:54

TEST COMMENT: 30- IF- Surface blow built to 1/4"
30- ISI- No blow
30- FF- Very weak surface blow
30- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1732.07	89.03	Initial Hydro-static
3	23.97	90.48	Open To Flow (1)
37	26.15	93.00	Shut-In(1)
63	856.24	94.36	End Shut-In(1)
63	28.54	94.17	Open To Flow (2)
92	27.72	95.66	Shut-In(2)
123	438.06	97.26	End Shut-In(2)
124	1680.24	97.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOMW, 5%O 50%W 45%M	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54016 **DST#: 2**

Test Start: 2014.03.13 @ 09:48:54

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:58:24
Time Test Ended: 15:58:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 46

Interval: 3493.00 ft (KB) To 3501.00 ft (KB) (TVD)
Total Depth: 3501.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

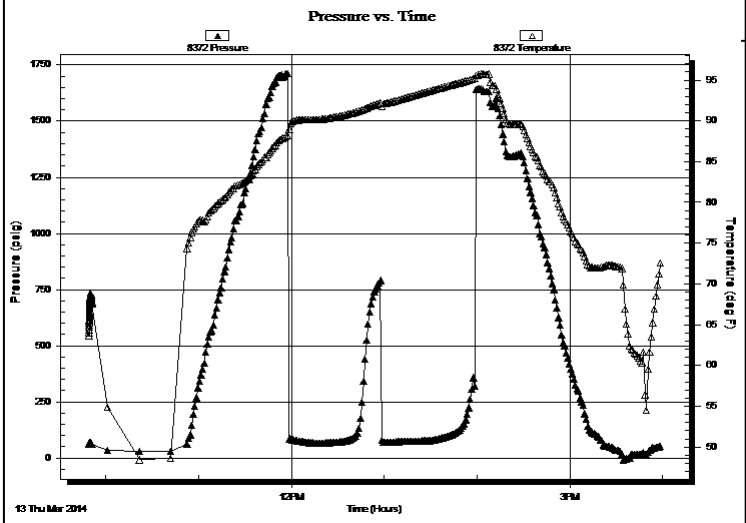
Reference Elevations: 2037.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8372 **Outside**

Press@RunDepth: psig @ 3494.00 ft (KB)
Start Date: 2014.03.13 End Date: 2014.03.13
Start Time: 09:49:06 End Time: 15:58:35

Capacity: 8000.00 psig
Last Calib.: 2014.03.13
Time On Btm:
Time Off Btm:

TEST COMMENT: 30- IF- Surface blow built to 1/4"
30- ISI- No blow
30- FF- Very weak surface blow
30- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOMW, 5%O 50%W 45%M	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54016 **DST#: 2**

Test Start: 2014.03.13 @ 09:48:54

Tool Information

Drill Pipe:	Length:	3485.00 ft	Diameter:	3.75 inches	Volume:	47.61 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.75 inches	Volume:	- bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		40000.00 lb
					Total Volume:	- bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3493.00 ft						Final	38000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		8.00 ft							
Tool Length:		35.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3467.00		
Shut In Tool	5.00			3472.00		
Hydraulic tool	5.00			3477.00		
Jars	5.00			3482.00		
Safety Joint	2.00			3484.00		
Packer	5.00			3489.00	27.00	Bottom Of Top Packer
Packer	4.00			3493.00		
Stubb	1.00			3494.00		
Recorder	0.00	8321	Inside	3494.00		
Recorder	0.00	8372	Outside	3494.00		
Perforations	4.00			3498.00		
Bullnose	3.00			3501.00	8.00	Bottom Packers & Anchor
Total Tool Length:	**35.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco, Inc.

PO Box 458
Hays, KS 67601

ATTN: Mike Bair

21-8S-19W Rooks,KS

Veverka E #1

Job Ticket: 54016 **DST#: 2**

Test Start: 2014.03.13 @ 09:48:54

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:	30000 ppm
Viscosity:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2400.00 ppm				
Filter Cake:	inches				

Recovery Information

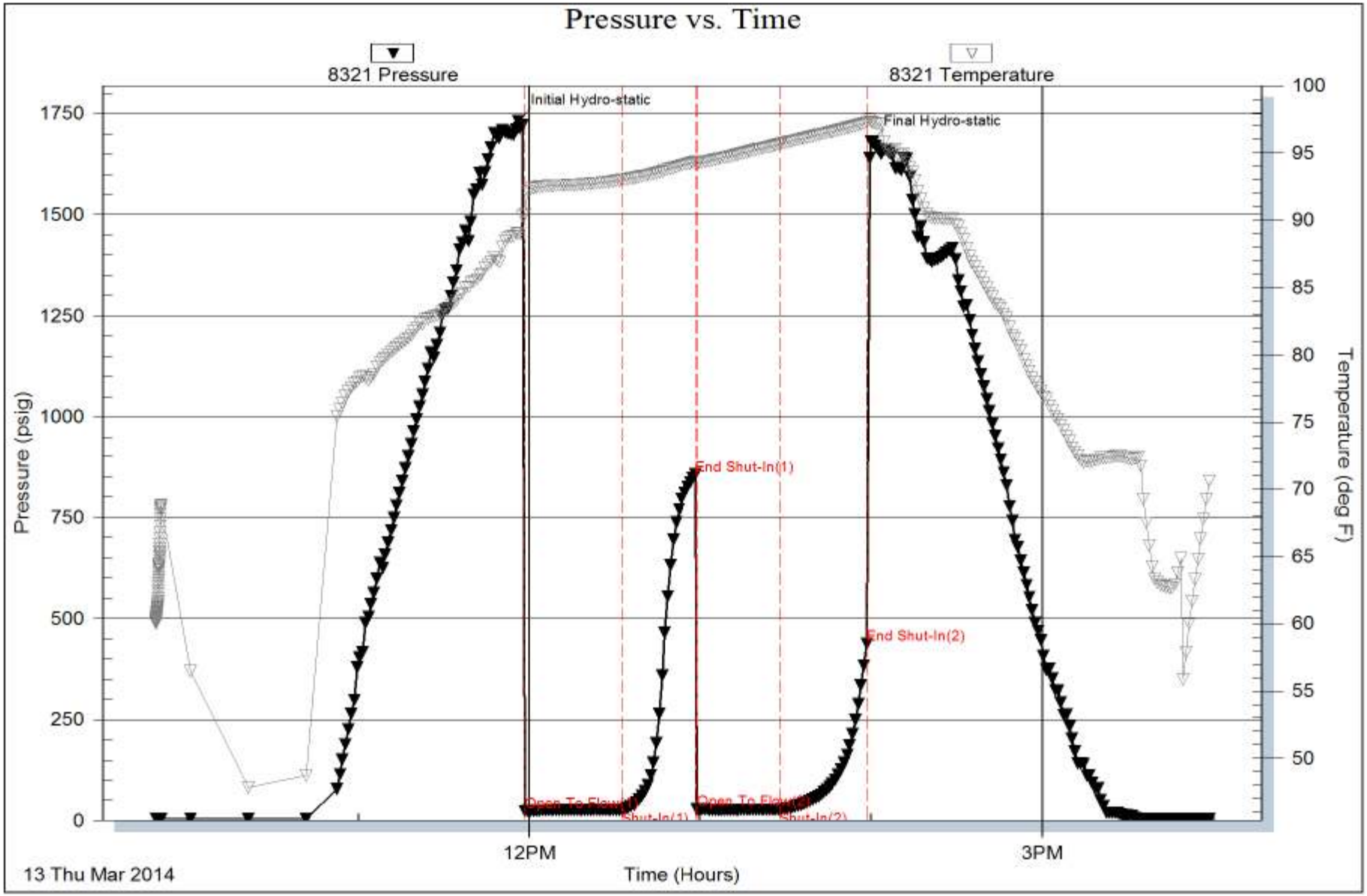
Recovery Table

Length ft	Description	Volume bbl
10.00	SOMW, 5%O 50%W 45%M	0.137

Total Length: 10.00 ft Total Volume: 0.137 bbl

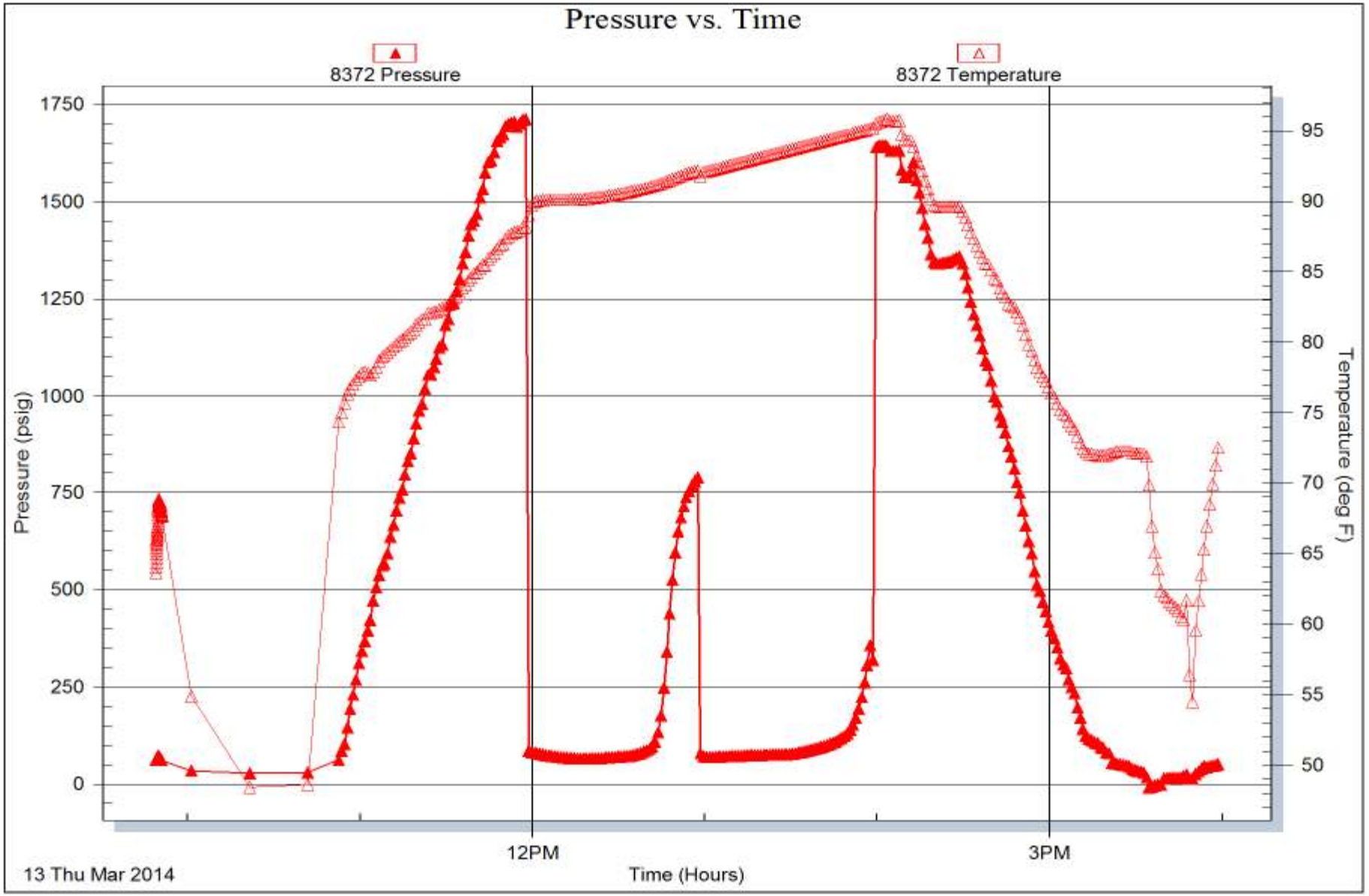
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8321 **Inside** Tengasco, Inc. Veverka E#1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54016 Printed: 2014.03.17 @ 10:45:54

Serial #: 8372 **Outside** Tengasco, Inc. Veverka E#1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 54016 Printed: 2014.03.17 @ 10:45:54

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54015

Well Name & No. Veverka E-1 Test No. 1 Date 3/12/14

Company Tengasco, Inc. Elevation 2037 KB 2030 GL

Address 1327 Naose Rd. PO Box 458 Hays, KS 67601

Co. Rep / Geo. Mike Bair Rig American Eagle 3

Location: Sec. 21 Twp. 8S Rge. 19W Co. Rooks State KS

Interval Tested 3420-3491 Zone Tested Arbuckle

Anchor Length 71' Drill Pipe Run 3423 Mud Wt. 8.9

Top Packer Depth 3415 Drill Collars Run — Vis 65

Bottom Packer Depth 3420 Wt. Pipe Run — WL 6.4

Total Depth 3491 Chlorides 2,400 ppm System LCM 2#

Blow Description IF- Slowly built to 6"

ISI- No blow

FF- Built very slowly to 3"

FSI- No blow

Rec 15	Feet of GO	20 %gas	80 %oil	%water	%mud
Rec 60	Feet of OCM	%gas	15 %oil	%water	85 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 75' BHT 95° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1696	☒ Test 1150	T-On Location 1843
(B) First Initial Flow 28	☒ Jars 250	T-Started 1850
(C) First Final Flow 43	☒ Safety Joint 75	T-Open 2057
(D) Initial Shut-In 531	☐ Circ Sub	T-Pulled [illegible] 2357
(E) Second Initial Flow 48	☐ Hourly Standby	T-Out 0215
(F) Second Final Flow 53	☒ Mileage 92 RT 142.60	Comments
(G) Final Shut-In 344	☐ Sampler	
(H) Final Hydrostatic 1644	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 45	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0
Final Flow 45	☐ Day Standby	Total 1617.60
Final Shut-In 45	☐ Accessibility	MP/DST Disc't
	Sub Total 1617.60	

Approved By _____ Our Representative Brannan L

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 54016

Well Name & No. Veverka E-1 Test No. 2 Date 3/13/14

Company Tengasco, Inc. Elevation 2037 KB 2030 GL

Address 1329 Noose Rd. PO Box 458 Hays, KS 67601

Co. Rep / Geo. Mike Bair Rig American Eagle 3

Location: Sec. 21 Twp. 8S Rge. 19W Co. Rooks State KS

Interval Tested 3493-3501 Zone Tested Arbuckle

Anchor Length 8' Drill Pipe Run 3485 Mud Wt. 8.9

Top Packer Depth 3488 Drill Collars Run — Vis 65

Bottom Packer Depth 3493 Wt. Pipe Run — WL 6.4

Total Depth 3501 Chlorides 2,400 ppm System LCM 2#

Blow Description IF- Very weak surface blow built to 1/4"

ISI- No blow

FF- Very weak surface blow

FSI- No blow

Rec 10	Feet of SOMW	%gas	5 %oil	50 %water	45 %mud
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 10 BHT 97° Gravity — API RW .25 @ 61 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic 1732	☒ Test 1150	T-On Location 0943
(B) First Initial Flow 24	☒ Jars 250	T-Started 0949
(C) First Final Flow 26	☒ Safety Joint 75	T-Open 1158
(D) Initial Shut-In 856	☐ Circ Sub	T-Pulled 1358
(E) Second Initial Flow 29	☐ Hourly Standby	T-Out 1558
(F) Second Final Flow 28	☒ Mileage 92 RT 285.20	Comments Loaded tools 3/14 @0700
(G) Final Shut-In 438	☐ Sampler	
(H) Final Hydrostatic 1680	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1760.20
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total 1760.20	

Approved By _____ Our Representative Brannan L

ALLIED OIL & GAS SERVICES, LLC 054205

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell KS.

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
3-7-14	21	8	19			6:00PM	6:30PM

LEASE	WELL #	LOCATION	COUNTY	STATE
Vervelka	E #1	Zurich 7N 1W ½N ½E ¼S	Rooks	Kansas

OLD OR (NEW) (Circle one)

CONTRACTOR American Eagle Rig #3
TYPE OF JOB Cement Surface
HOLE SIZE 12¼ T.D. 265'
CASING SIZE 8 5/8 DEPTH 263
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 250# MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 16 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Glenn G.
417 HELPER Keven R.
BULK TRUCK
473 DRIVER Jessy C.
BULK TRUCK
DRIVER

OWNER

CEMENT
AMOUNT ORDERED 170 sk Comm
2% Gel
3% CC

COMMON	170	@ 17.90	3043.00
POZMIX		@	
GEL	4	@ 23.40	93.60
CHLORIDE	7	@ 64.00	448.00
ASC		@	
HANDLING	176.67	@ 2.48	438.13
MILEAGE	847x60	2.60	1321.32
		TOTAL	5344.05

REMARKS:

Ran 6 New Joints of 8⅝ 23# Csg. Set @ 2 , Recieved Circulation / Cement w/ 170 sk Com 3%, Displaced Belling Cement w/ BBL H2° @ 250# Max PST & Shut In @ 250 #.

Cement DID Circ To Surface

Thanks

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1512.25
EXTRA FOOTAGE		@	
MILEAGE	HV 120	@ 7.70	924.00
MANIFOLD	LVM 60	@ 4.40	264.00
		@	
		TOTAL	2700.25

CHARGE TO: Tengasco Inc.
STREET
CITY STATE ZIP

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.

SALES TAX (If Any)
TOTAL CHARGES 8044.30
DISCOUNT 2011.07 IF PAID IN 30 DAYS
Net 6033.23

PRINTED NAME
SIGNATURE Keith Kahler

ALLIED OIL & GAS SERVICES, LLC 062708

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: great Bend

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
3-14-14	21	8	19	12:00 pm	3:00 pm	8:00 pm	9:00 pm

LEASE	WELL #	LOCATION	COUNTY	STATE
ververka	E-1	zurich 7n 1w ½n ½E ¼S	Rooks	Ks

OLD OR NEW (Circle one)

CONTRACTOR american eagle #3
OWNER same
TYPE OF JOB Rotary plug
HOLE SIZE 7⅞ T.D.
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH 3445
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

CEMENT

AMOUNT ORDERED 255sx 60/40 4% gel ¼ flosea l

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
255sx 60/40 poz 4% gel	@	15.30	3901.50
	@		
floseal 55 lb	@	3.70	203.50
	@		
	@		
	@		
	@		
	@		
HANDLING 255sx	@	2.48	632.40
MILEAGE 660 tm		2.60	1716
		TOTAL	6453.40

EQUIPMENT

PUMP TRUCK # 366 CEMENTER charles Kinzer
HELPER mike scothorn
BULK TRUCK # 410 DRIVER joe goodson
BULK TRUCK # DRIVER

REMARKS:

1st plug @ 3445' 50 sx 10 BBl H20 mix 50 sx 3.5 H20 + 42.24 mud behind 2nd plug @ 1485 25 sx 10 BBl H20 mix 25 sx 3.5 H20 + 15.99 mud behind 3rd plug @ 860' 100 sx 10 BBl H20 mix 100 sx 3.5 H20 + 2.25 mud behind 4th plug @ 315' 40 sx 5.5 H20 mix 40 sx 1.89 H20 behind 5th plug @ 40' insert wooden plug then mix 10 sx plug Rat hole with 30 sx

SERVICE

DEPTH OF JOB 3445			
PUMP TRUCK CHARGE			2483.59
EXTRA FOOTAGE	@		
MILEAGE 120 mi	@	7.70	924
MANIFOLD	@		
LVM 60 mi	@	4.40	264
	@		
		TOTAL	3671.59

CHARGE TO: tengasco
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8⅝ wooden plug			110
	@		
	@		
	@		
	@		
	@		
		TOTAL	110

thank you!

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)
TOTAL CHARGES 10234.99
DISCOUNT 2531.24 IF PAID IN 30 DAYS
$7703.75

PRINTED NAME X Derby Keever

SIGNATURE X Derby K