



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1265580
OIL & GAS CONSERVATION DIVISION

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 # _____

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

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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



1265580

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

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

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 <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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <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

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"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Minney 1-2
Doc ID	1265580

Tops

Name	Top	Datum
Anhy	2893	+385
Base Anhy	2930	+248
Heebner	4019	-982
Lansing	4470	-892
BKC	4314	-1136
Pawnee	4440	-1362
Cherokee	4516	-1338
Mississippi	4734	-1556



STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

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

Well Name: Minney #1-2

API: 15-153-21161-00-00

Location: Rawlins County

License Number: 34344

Spud Date: 7/13/15

Surface Coordinates: 910' FSL & 1230' FEL

Section 2-T5S-R36W

Bottom Hole Coordinates: Vertical Well w/ minimal deviation

Region: Kansas

Drilling Completed: 7/24/15

Ground Elevation (ft): 3173'

K.B. Elevation (ft): 3178'

Logged Interval (ft): 3700 To: TD

Total Depth (ft): RTD - 4850'/LTD - 4841'

Formation: Topeka through Mississippian

Type of Drilling Fluid: Chemical (Andy's Mud)

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

OPERATOR

Company: Culbreath Oil & Gas

Address: 3501 South Yale Ave
Tulsa, OK 74135

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228) & Anthony Luna

Company: Consulting Petroleum Geologist

Address: 3365 CR 390
Otis, KS 67565

REMARKS

Anhydrite Top - 2893 (+285)
Anhydrite Base - 2930 (+248)
Topeka - 3848 (-670)
Heebner - 4019 (-841)
Lansing - 4070 (-892)
Muncie Crk - 4185 (-1007)
Stark - 4260 (-1082)
Hushpuckney - 4292 (-1114)
Base KC - 4314 (-1136)
Marmaton - 4350 (-1172)
Pawnee - 4440 (-1262)
Myrick Station - 4468 (-1290)
Fort Scott - 4496 (-1318)
Cherokee Sh - 4516 (-1338)
Mississippian - 4734 (-1556)

DSTs

Drillstem testing performed by Trilobite Testing (Oberlin Office)

DST #1 4190-4226 (LKC "H")

30:30:30:30

IF: Surface blow, no return

FF: No blow, no return

Recovery: 5' Mud

IHP: 2121 FHP: 1998

IFP: 19-22 ISIP: 452

FFP: 21-22 FSIP: 366

BHT - 132 F

DST #2 4436-4470 (Pawnee)

30:30:30:30

IF: Built to 1/8in, No return

FF: No blow, No return

Recovery: 5' Mud w/oil spots

IHP: 2257 FHP: 2158

IFP: 20-19 ISIP: 42

FFP: 20-21 FSIP: 30

BHT - 133 F

COMMENTS

Based on the results of drillstem testing and log & sample analysis, it is recommended that this well be plugged & abandoned.

ROCK TYPES

LITHOLOGY

	Anhy	
	Bent	
	Brec	
	Cht	
	Clyst	
	Coal	
	Congl	
	Dol	
	Gyp	
	Igne	
	Lmst	
	Meta	
	Mrst	
	Salt	
	Shale	
	Shcol	
	Shgy	
	Sltst	
	Ss	
	Till	
	Sltstn	
	Shale	
	Sandylms	
	Lms	
	Gry sh	
	Dtd	
	Dol	
	Carb sh	
	pipesymbol	
	unknown lith	
	Red shale	
	Oomoldic	
	Fuss	
	Algae	

MINERAL

	Amph
	Belm
	Bioclst
	Brach
	Bryozoa
	Cephal
	Coral
	Crin
	Echin
	Fish
	Foram
	Fossil
	Gastro
	Oolite
	Ostra
	Pelec
	Pellet
	Pisolite
	Plant
	Strom
	Sltly
	Sand
	Dol
	Chlorite
	Anhy
	Arggrn
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtit
	Dol

STRINGER

	Feldspar
	Ferrpel
	Ferr
	Glau
	Gyp
	Hvymn
	Kaol
	Marl
	Minxl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt
	Sil
	Sulphur
	Tuff
	Red shale
	Sh
	Sandylms
	Lms
	Gryslt
	Grysh
	Dol
	Clystn
	Carbsh
	Anhy
	Arg
	Bent
	Coal
	Dol
	Gyp
	Ls
	Mrst

	Sltstrg
	Ssstrg

TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

OIL SHOW

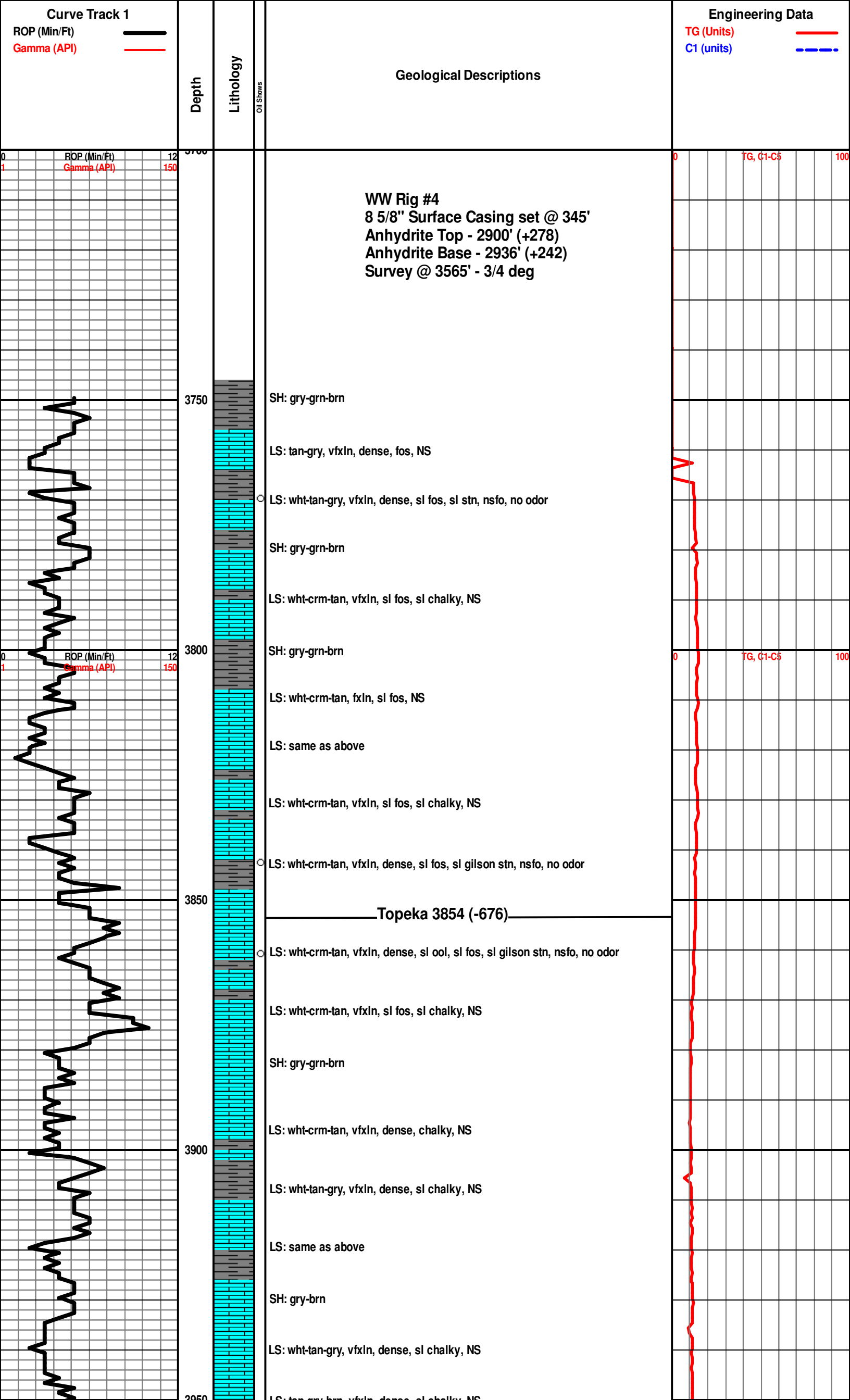
	Gas show
	Good
	Fair
	Poor
	Dead

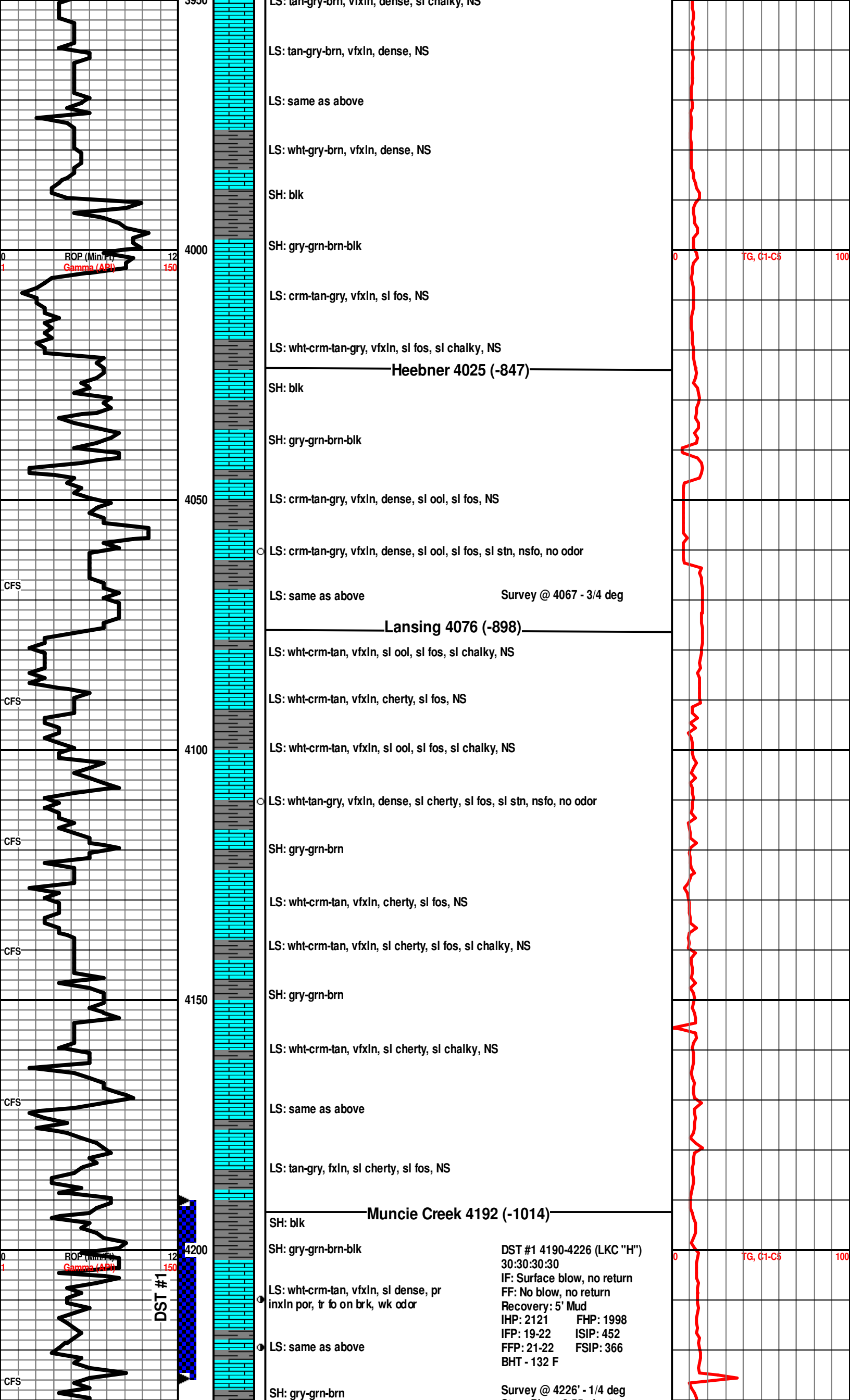
INTERVAL

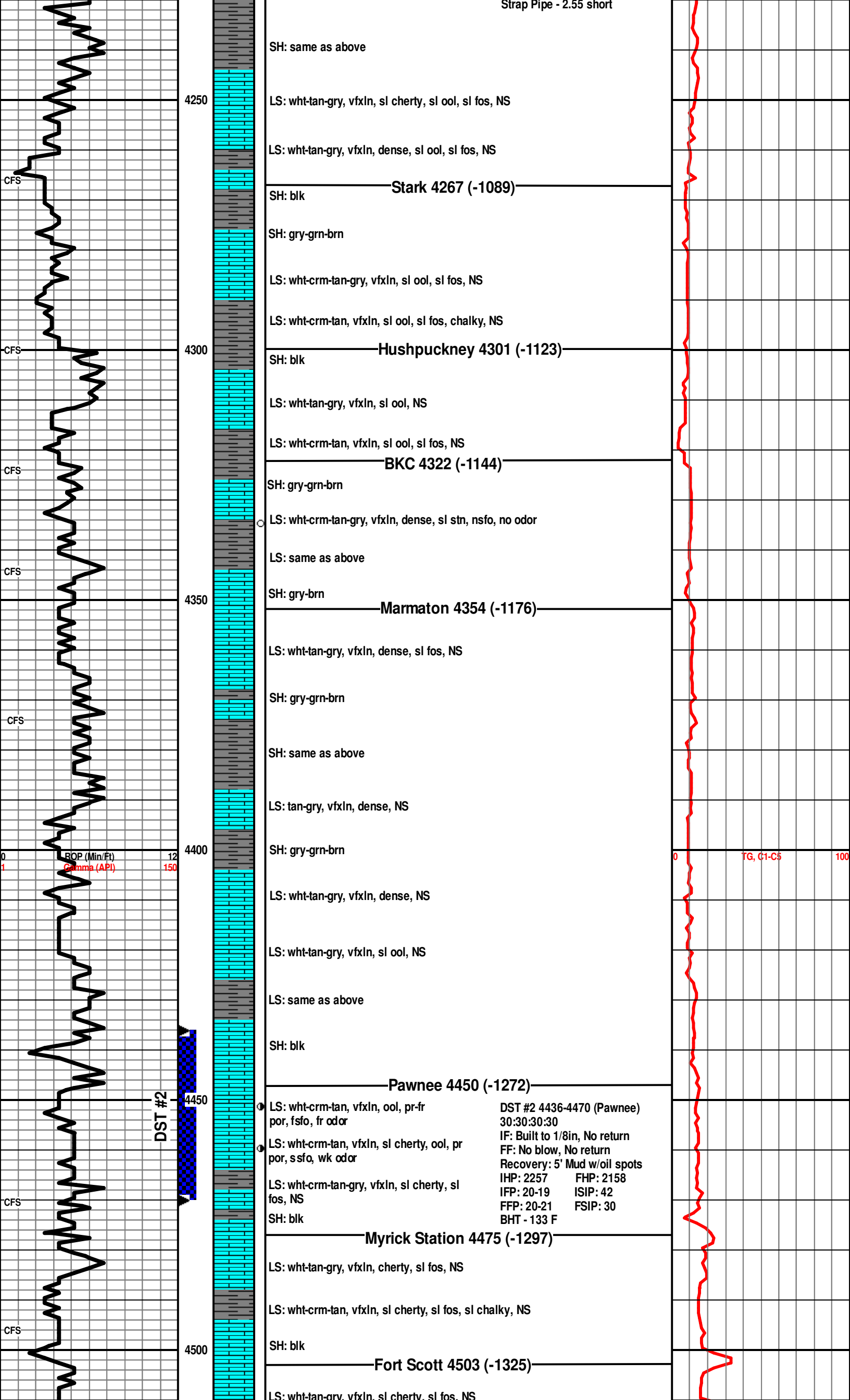
	Dst
	Core
	Dst
	Straddle test tail pip

EVENT

	Rft
	Sidewall
	Dst
	Open hole
	Perforations







SH: same as above

4250 LS: wht-tan-gry, vfxln, sl cherty, sl ool, sl fos, NS

LS: wht-tan-gry, vfxln, dense, sl ool, sl fos, NS

Stark 4267 (-1089)

SH: blk

SH: gry-grn-brn

LS: wht-crm-tan-gry, vfxln, sl ool, sl fos, NS

LS: wht-crm-tan, vfxln, sl ool, sl fos, chalky, NS

Hushpuckney 4301 (-1123)

SH: blk

LS: wht-tan-gry, vfxln, sl ool, NS

LS: wht-crm-tan, vfxln, sl ool, sl fos, NS

BKC 4322 (-1144)

SH: gry-grn-brn

LS: wht-crm-tan-gry, vfxln, dense, sl stn, nsfo, no odor

LS: same as above

SH: gry-brn

Marmaton 4354 (-1176)

LS: wht-tan-gry, vfxln, dense, sl fos, NS

SH: gry-grn-brn

SH: same as above

LS: tan-gry, vfxln, dense, NS

SH: gry-grn-brn

LS: wht-tan-gry, vfxln, dense, NS

LS: wht-tan-gry, vfxln, sl ool, NS

LS: same as above

SH: blk

Pawnee 4450 (-1272)

LS: wht-crm-tan, vfxln, ool, pr-fr

por, fsfo, fr odor

LS: wht-crm-tan, vfxln, sl cherty, ool, pr

por, ssfo, wk odor

LS: wht-crm-tan-gry, vfxln, sl cherty, sl

fos, NS

SH: blk

DST #2 4436-4470 (Pawnee)
 30:30:30:30
 IF: Built to 1/8in, No return
 FF: No blow, No return
 Recovery: 5' Mud w/oil spots
 IHP: 2257 FHP: 2158
 IFP: 20-19 ISIP: 42
 FFP: 20-21 FSIP: 30
 BHT - 133 F

Myrick Station 4475 (-1297)

LS: wht-tan-gry, vfxln, cherty, sl fos, NS

LS: wht-crm-tan, vfxln, sl cherty, sl fos, sl chalky, NS

SH: blk

Fort Scott 4503 (-1325)

LS: wht-tan-gry, vfxln, sl cherty, sl fos, NS

DST #2

CFS

CFS

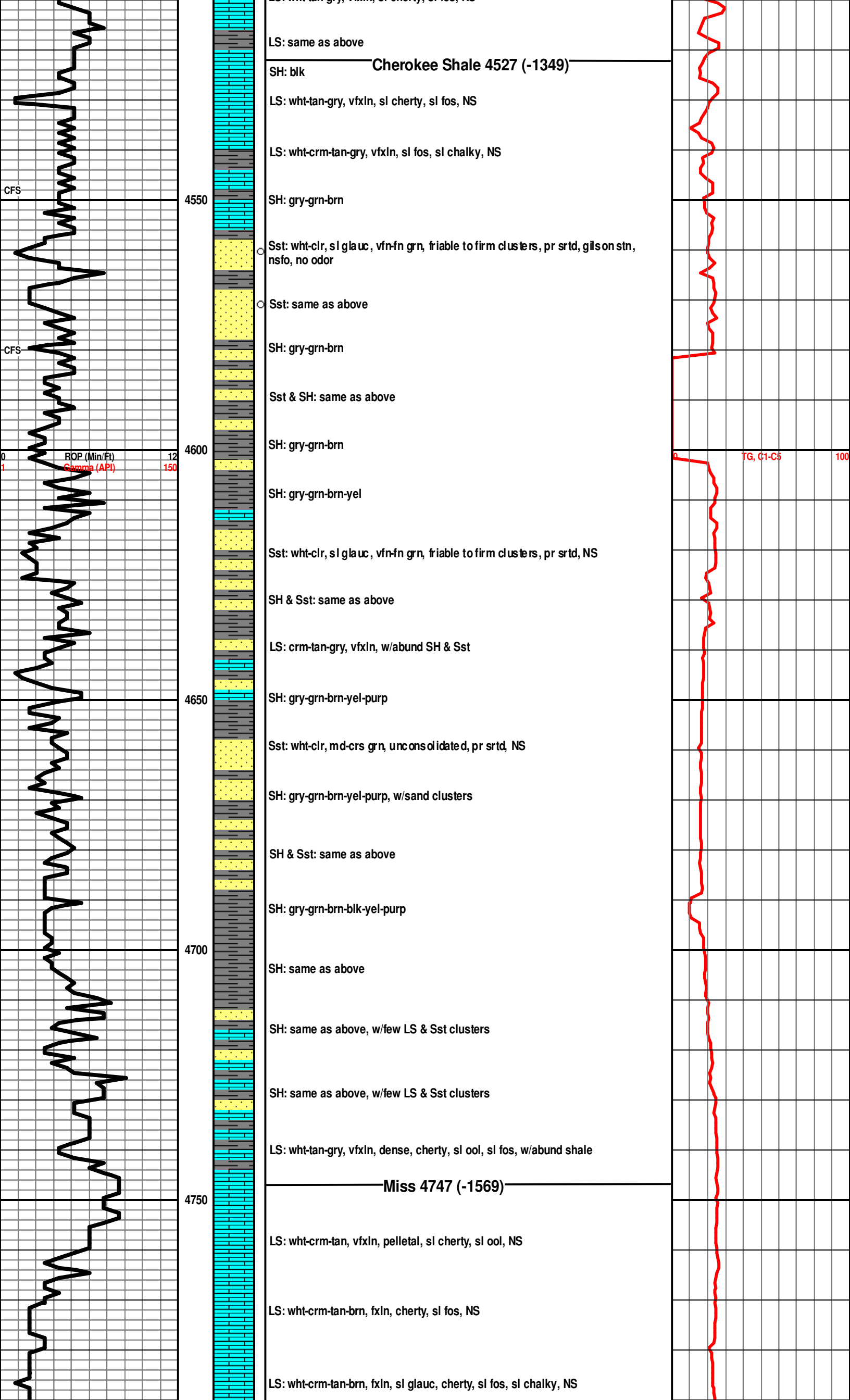
CFS

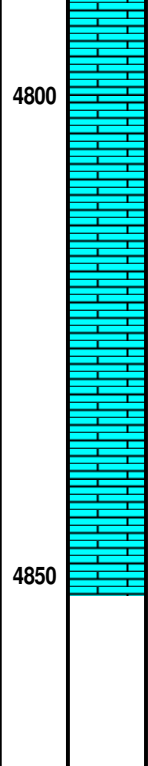
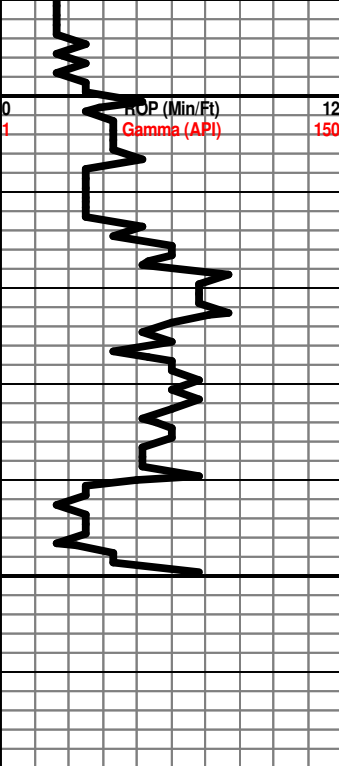
CFS

CFS

ROP (Min/Ft) 12
Gamma (API) 150

TG, C1-C5 100





LS: same as above

LS: same as above

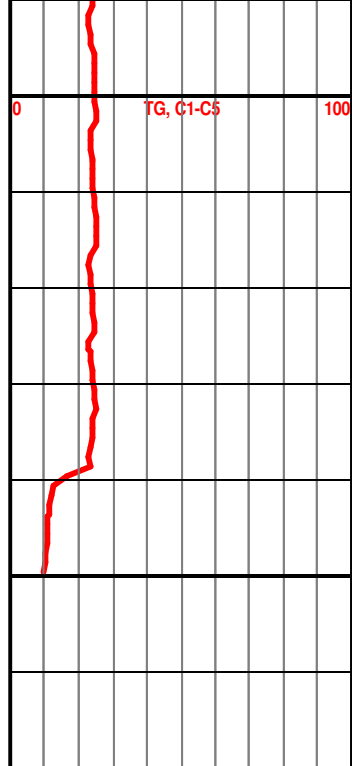
LS: wht-crm-tan-brn, fxln, glauc, sl cherty, sl fos, NS

LS: same as above

Survey @ TD - 3/4 deg

LTD - 4841'

RTD - 4850'





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Culbreath Oil & Gas

2-5S-36W Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:13:30

Time Test Ended: 00:14:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4190.00 ft (KB) To 4226.00 ft (KB) (TVD)

Reference Elevations: 3178.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

3168.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8653 Outside

Press @ Run Depth: 22.88 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.20

End Date:

2015.07.21

Last Calib.:

2015.07.21

Start Time: 17:41:00

End Time:

00:14:30

Time On Btm:

2015.07.20 @ 20:13:00

Time Off Btm:

2015.07.20 @ 22:18:30

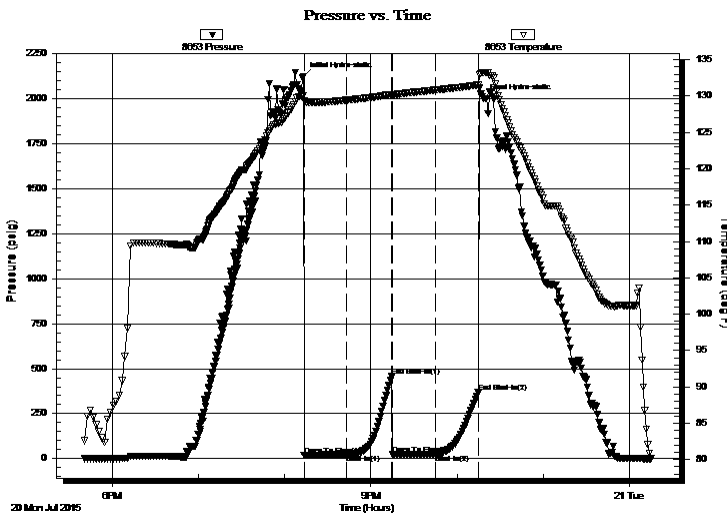
TEST COMMENT: 30 - FF- Surface Blow died in 18 min.

30 - IS- No Return

30 - FF- No Blow

30 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.48	130.07	Initial Hydro-static
1	19.16	129.38	Open To Flow (1)
30	21.69	129.42	Shut-In(1)
62	457.47	130.22	End Shut-In(1)
62	22.26	130.09	Open To Flow (2)
92	22.88	130.81	Shut-In(2)
122	366.88	131.51	End Shut-In(2)
126	1998.76	133.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

2-5S-36W Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

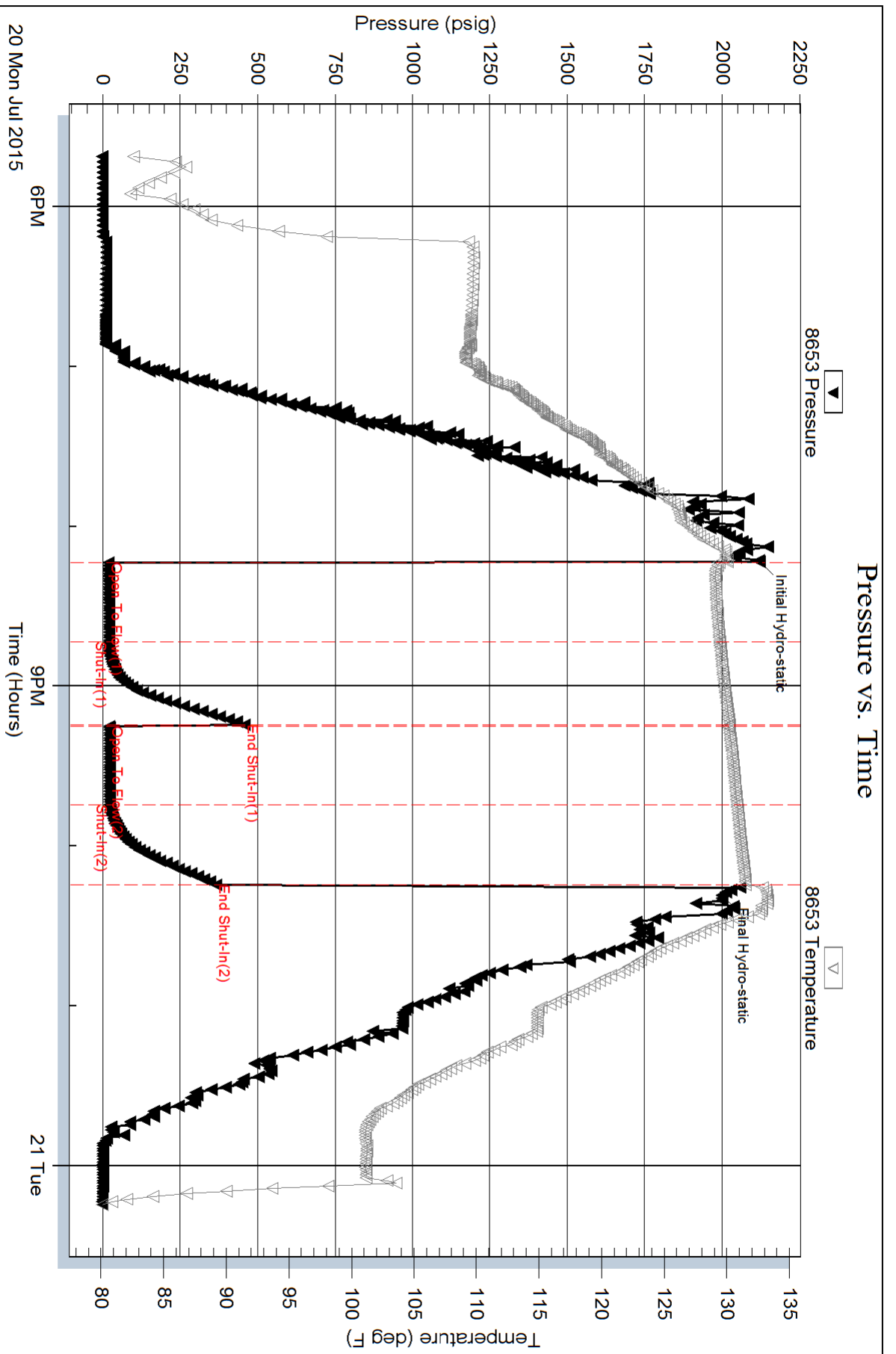
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas**

3501 S Yale Ave.
Tulsa, OK 74135

ATTN: Anthony Luna

Minney #1-2

2-5s-36w Rawlins, KS

Start Date: 2015.07.20 @ 17:40:00

End Date: 2015.07.21 @ 00:14:30

Job Ticket #: 53446 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.24 @ 12:00:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:13:30

Time Test Ended: 00:14:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4190.00 ft (KB) To 4226.00 ft (KB) (TVD)

Reference Elevations: 3178.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

3168.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8653 Outside

Press@RunDepth: 22.88 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.20

End Date:

2015.07.21

Last Calib.:

2015.07.21

Start Time: 17:41:00

End Time:

00:14:30

Time On Btm:

2015.07.20 @ 20:13:00

Time Off Btm:

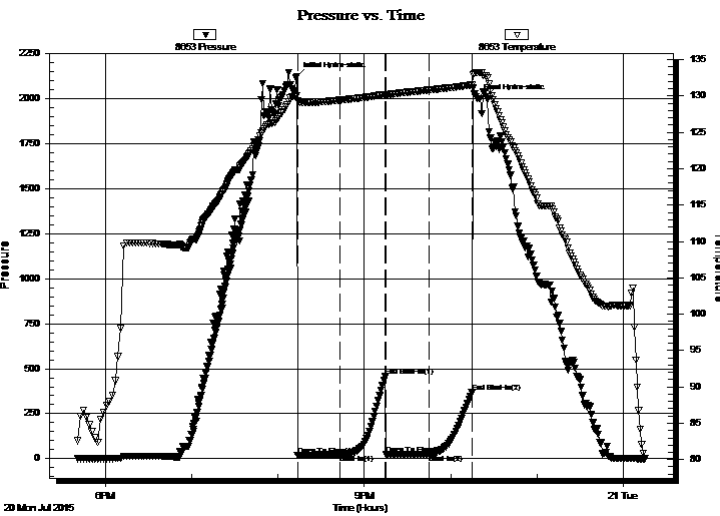
2015.07.20 @ 22:18:30

TEST COMMENT: 30 - FF- Surface Blow died in 18 min.

30 - IS- No Return

30 - FF- No Blow

30 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.48	130.07	Initial Hydro-static
1	19.16	129.38	Open To Flow (1)
30	21.69	129.42	Shut-In(1)
62	457.47	130.22	End Shut-In(1)
62	22.26	130.09	Open To Flow (2)
92	22.88	130.81	Shut-In(2)
122	366.88	131.51	End Shut-In(2)
126	1998.76	133.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

GENERAL INFORMATION:

Formation: **LKC "H"**
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 Time Tool Opened: 20:13:30
 Time Test Ended: 00:14:30
 Interval: **4190.00 ft (KB) To 4226.00 ft (KB) (TVD)**
 Total Depth: 4226.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

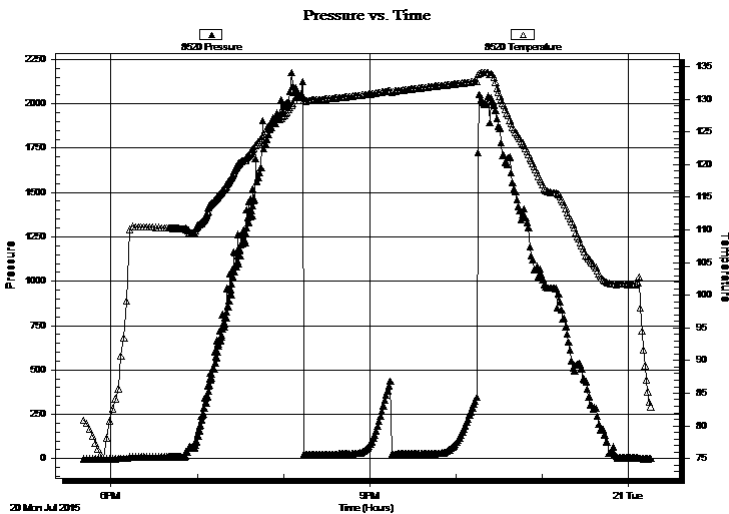
Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 82
 Reference Elevations: 3178.00 ft (KB)
 3168.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8520

Inside

Press@RunDepth: psig @ 4191.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.20 End Date: 2015.07.21 Last Calib.: 2015.07.21
 Start Time: 17:41:00 End Time: 00:15:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - FF- Surface Blow died in 18 min.
 30 - ISI- No Return
 30 - FF- No Blow
 30 - FSI- No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

Tool Information

Drill Pipe:	Length: 4074.00 ft	Diameter: 3.80 inches	Volume: 57.15 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.75 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4190.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 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			4163.00	
Shut In Tool	5.00			4168.00	
Hydraulic tool	5.00			4173.00	
Jars	5.00			4178.00	
Safety Joint	3.00			4181.00	
Packer	5.00			4186.00	28.00 Bottom Of Top Packer
Packer	4.00			4190.00	
Stubb	1.00			4191.00	
Recorder	0.00	8653	Outside	4191.00	
Recorder	0.00	8520	Inside	4191.00	
Perforations	30.00			4221.00	
Bullnose	5.00			4226.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

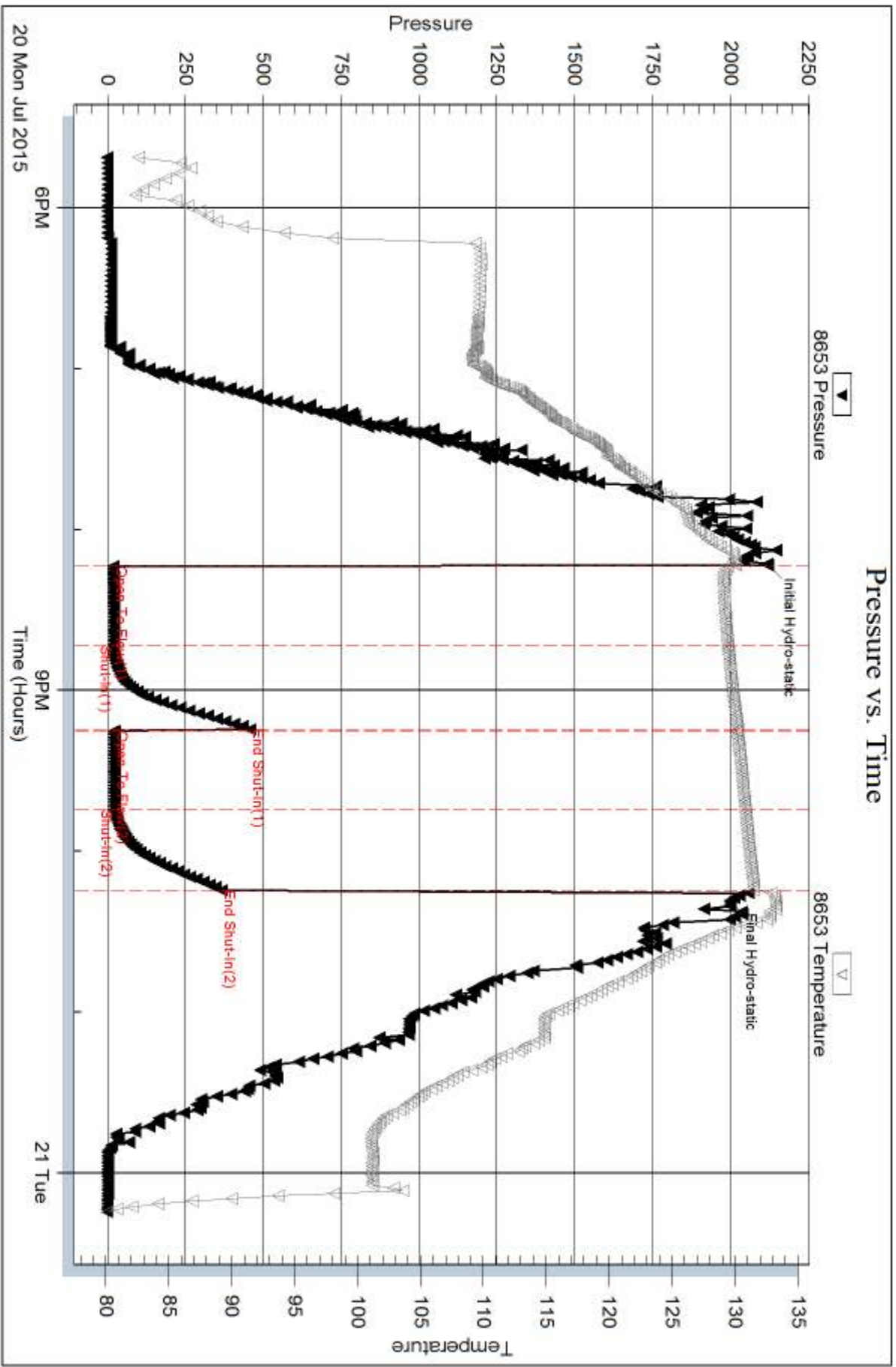
Recovery Comments:

Serial #: 8653

Outside Culbreath Oil & Gas

Minney #1-2

DST Test Number: 1



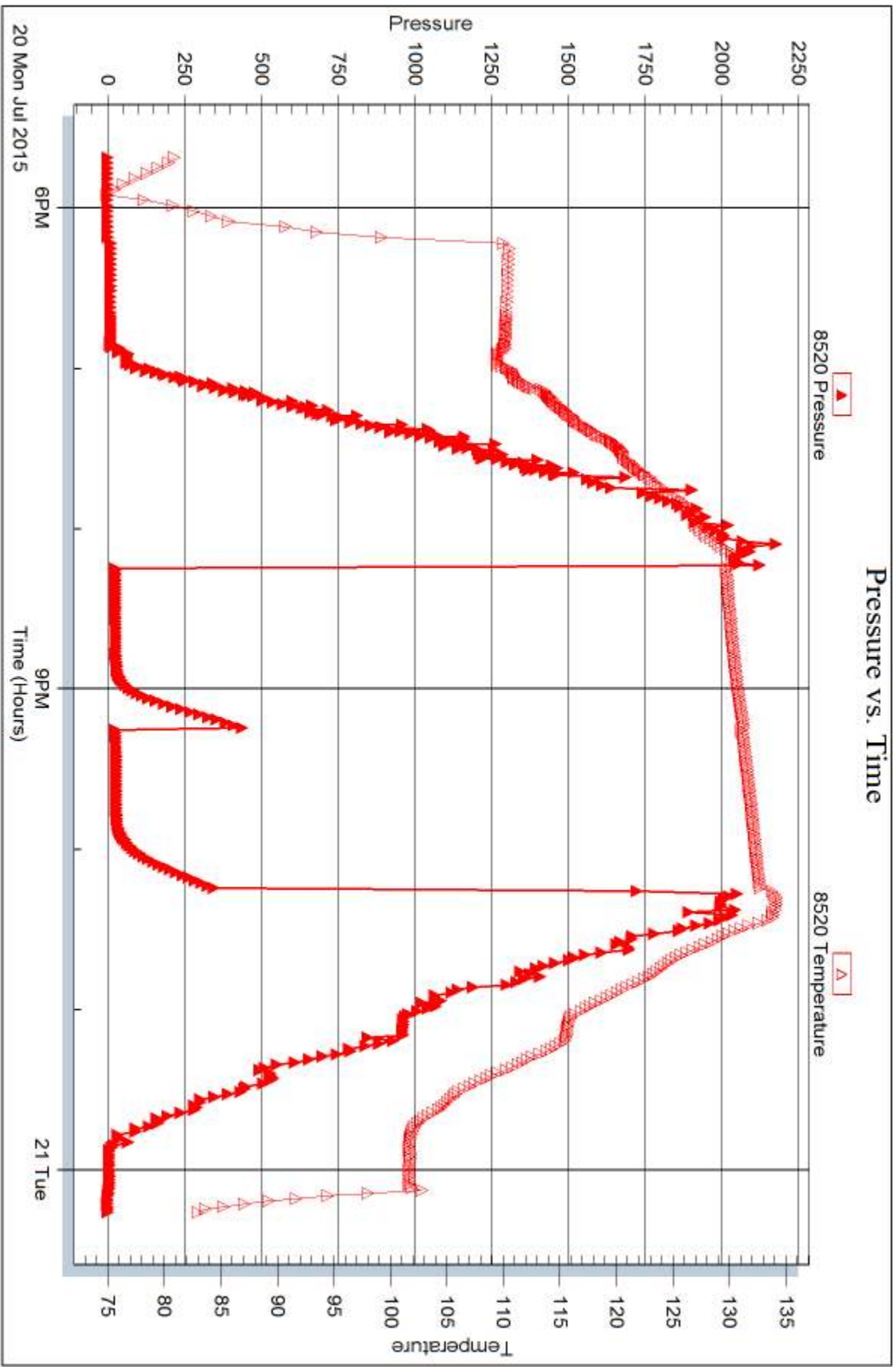
Serial #: 8520

Inside

Culbreath Oil & Gas

Minney #1-2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas**

3501 S Yale Ave.
Tulsa, OK 74135

ATTN: Anthony Luna

Minney #1-2

2-5s-36w Rawlins, KS

Start Date: 2015.07.22 @ 08:45:00

End Date: 2015.07.22 @ 14:36:00

Job Ticket #: 53447 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.24 @ 11:58:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53447

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.07.22 @ 08:45:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:20

Time Test Ended: 14:36:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4436.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 3178.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3168.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8653 Outside

Press@RunDepth: 21.15 psig @ 4437.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.22

End Date:

2015.07.22

Last Calib.:

2015.07.22

Start Time: 08:46:00

End Time:

14:36:00

Time On Btm:

2015.07.22 @ 10:43:10

Time Off Btm:

2015.07.22 @ 12:49:30

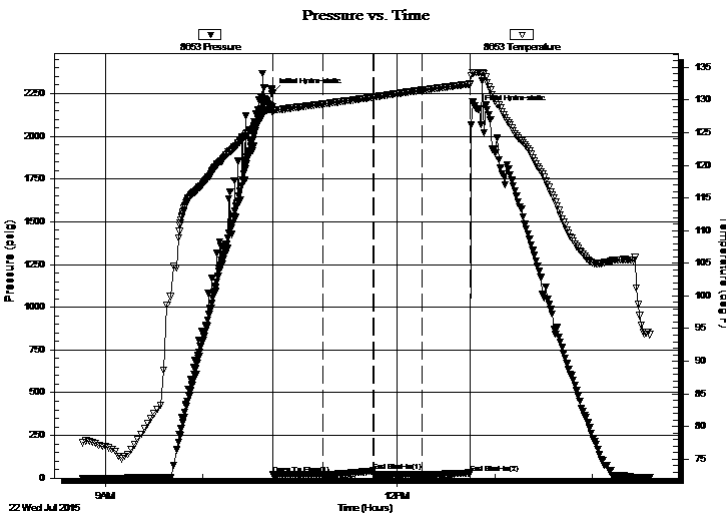
TEST COMMENT: 30 - IF- Surface Bow bt to 1/8" then died in 25 min.

30 - IS- No Return

30 - FF- No Blow

30 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.77	129.00	Initial Hydro-static
1	20.86	128.04	Open To Flow (1)
31	20.84	129.39	Shut-In(1)
62	42.02	130.43	End Shut-In(1)
63	19.58	130.44	Open To Flow (2)
92	21.15	131.50	Shut-In(2)
122	30.52	132.46	End Shut-In(2)
127	2158.62	134.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M (oil spots)	0.02
0.00	Show of oil spots in tool	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53447

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.07.22 @ 08:45:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:20

Time Test Ended: 14:36:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4436.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 4470.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3178.00 ft (KB)

3168.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8520 Inside

Press@RunDepth: psig @ 4437.00 ft (KB)

Start Date: 2015.07.22

End Date:

2015.07.22

Start Time: 08:46:00

End Time:

14:37:00

Capacity: 8000.00 psig

Last Calib.:

2015.07.22

Time On Btm:

Time Off Btm:

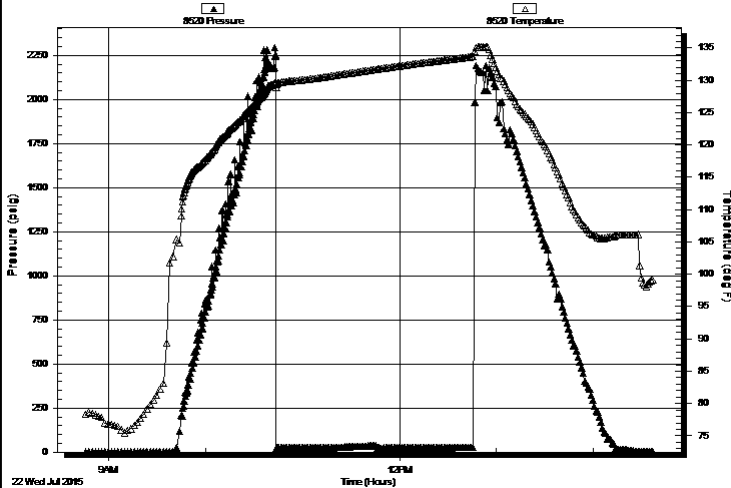
TEST COMMENT: 30 - IF- Surface Bow bt to 1/8" then died in 25 min.

30 - IS- No Return

30 - FF- No Blow

30 - FS- No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M (oil spots)	0.02
0.00	Show of oil spots in tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53447

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.07.22 @ 08:45:00

Tool Information

Drill Pipe:	Length: 4292.00 ft	Diameter: 3.80 inches	Volume: 60.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 60.81 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4436.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 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			4409.00	
Shut In Tool	5.00			4414.00	
Hydraulic tool	5.00			4419.00	
Jars	5.00			4424.00	
Safety Joint	3.00			4427.00	
Packer	5.00			4432.00	28.00 Bottom Of Top Packer
Packer	4.00			4436.00	
Stubb	1.00			4437.00	
Recorder	0.00	8653	Outside	4437.00	
Recorder	0.00	8520	Inside	4437.00	
Perforations	28.00			4465.00	
Bullnose	5.00			4470.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas

2-5s-36w Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53447

DST#: 2

ATTN: Anthony Luna

Test Start: 2015.07.22 @ 08:45:00

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: ppm

Viscosity: 57.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M (oil spots)	0.025
0.00	Show of oil spots in tool	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

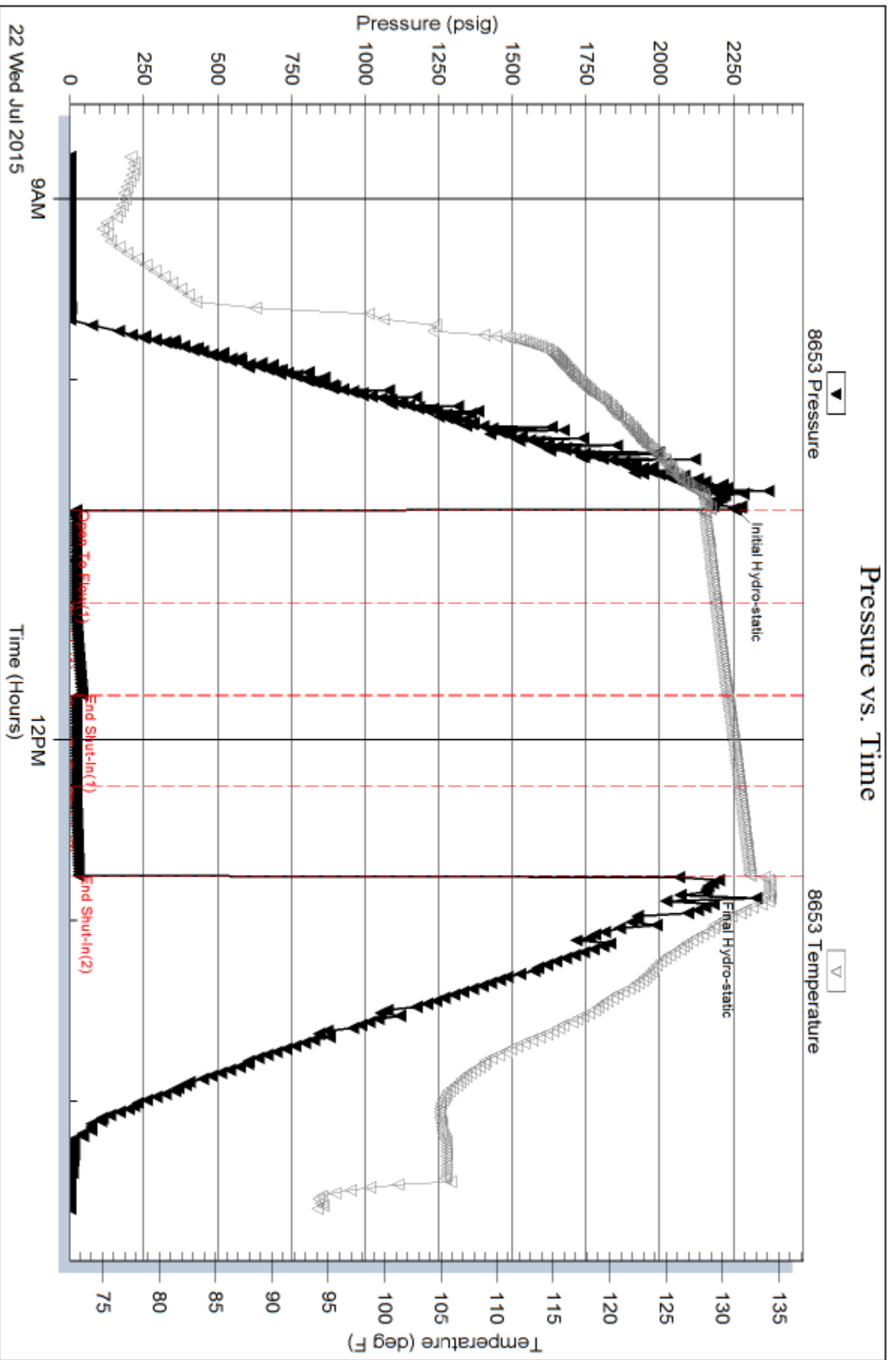
Recovery Comments:

Serial #: 8653

Outside Culbreath Oil & Gas

Minney #1-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 53447

Printed: 2015.07.24 @ 11:58:59

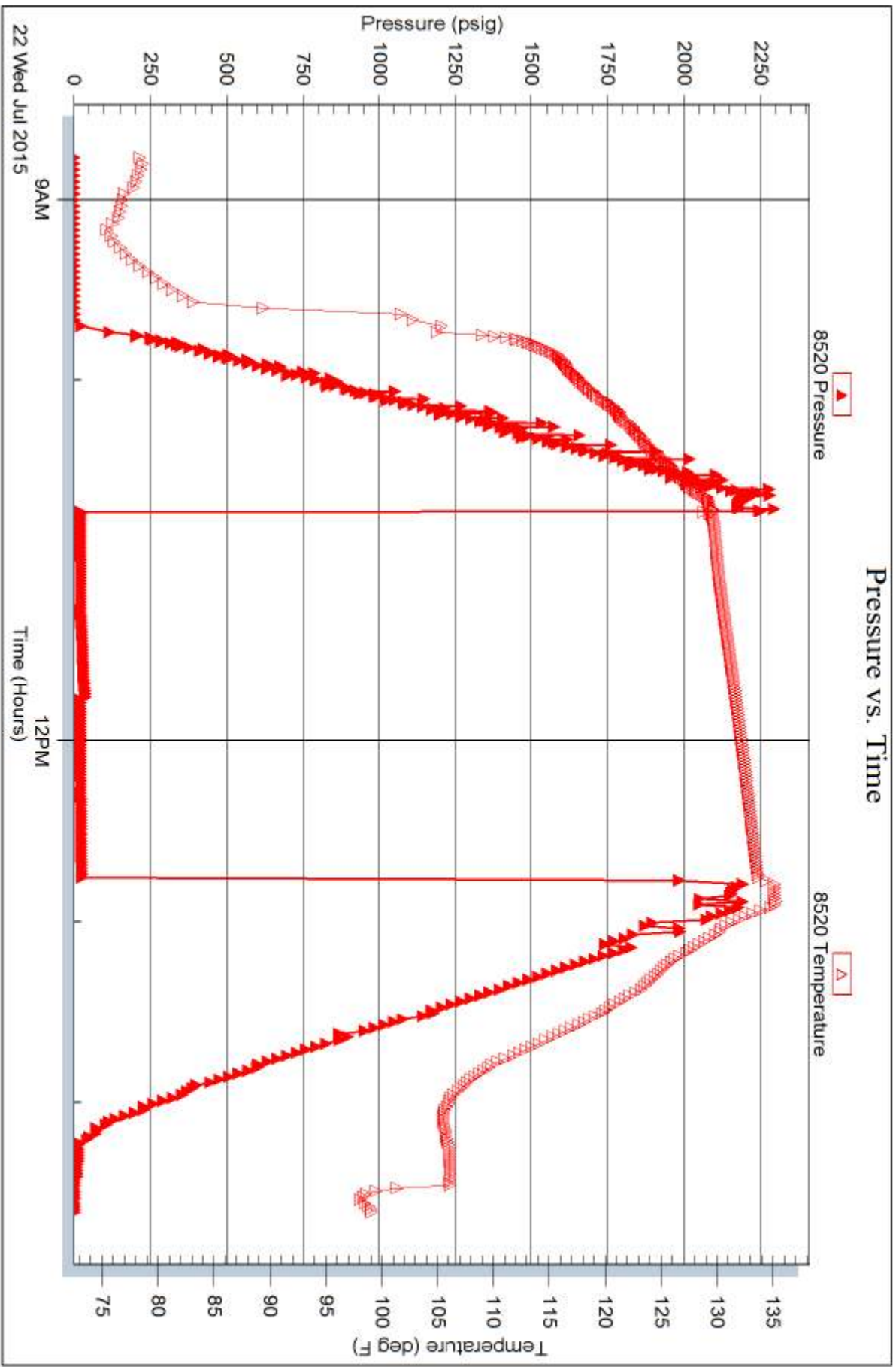
Serial #: 8520

Inside

Culbreath Oil & Gas

Minney #1-2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53447

Printed: 2015.07.24 @ 11:58:59



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53446

4/10

Well Name & No. Miner #1-2 Test No. 1 Date 7-20-15
 Company Culbreth Oil & Gas Elevation 3178 KB 3168 GL
 Address 3501 S Yale Ave. Tulsa, OK 74135
 Co. Rep / Geo. Anthony Luna Rig WW#4
 Location: Sec. 2 Twp. 5S Rge. 36W Co. Rawlins State KS

Interval Tested 4190-4226 Zone Tested LKC "H"
 Anchor Length 36' Drill Pipe Run 4074 Mud Wt. 9.2
 Top Packer Depth 4186 Drill Collars Run 121 Vis 53
 Bottom Packer Depth 4190 Wt. Pipe Run 0 WL 8.8
 Total Depth 4226 Chlorides 5000 ppm System LCM 3#

Blow Description IF - Surface Blow ditch in 18 min.
ISI - No Return
FF - No Blow
FSI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</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 5 BHT 132 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2121 Test 1150 T-On Location 4:50 PM
 (B) First Initial Flow 19 Jars 250 T-Started 5:40 PM
 (C) First Final Flow 21 Safety Joint 75 T-Open 8:13 PM
 (D) Initial Shut-In 452 Circ Sub _____ T-Pulled 10:13 PM
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 12:15 AM
 (F) Second Final Flow 22 Mileage 120 RT 120
 (G) Final Shut-In 366 Sampler _____
 (H) Final Hydrostatic 1998 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Shale Packer _____ Ruined Packer _____
 Final Flow 30 Extra Packer _____ Extra Copies _____
 Final Shut-In 30 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1595
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1595

Approved By _____ Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53447

4/10

Well Name & No. Minney #12 Test No. 2 Date 7-22-15
 Company Culbreath Oil & Gas Elevation 3178 KB 3168 GL
 Address 3501 S Yale Ave. Tulsa, OK 74135
 Co. Rep / Geo. Anthony Luna Rig WW #4
 Location: Sec. 2 Twp. 5S Rge. 36W Co. Rawlins State KS

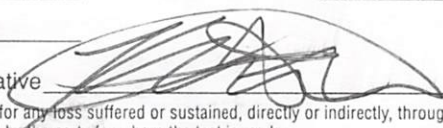
Interval Tested 4436-4470 Zone Tested Pawnee
 Anchor Length 34' Drill Pipe Run 4292 Mud Wt. 9.0
 Top Packer Depth 4432 Drill Collars Run 121 Vis 57
 Bottom Packer Depth 4436 Wt. Pipe Run 0 WL 8.0
 Total Depth 4470 Chlorides 5000 ppm System LCM 2.5 #

Blow Description IF - Surface blow built to 1/8" died at 25 min.
ISI - NO Return
FF - NO Blow
FSI - NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</u>	
<u>0</u>	<u>Show of oil spots in tool</u>	<u>SPOTS</u>		<u>100</u>	

Rec Total 5 BHT 133 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2257 Test 1150 T-On Location 8:20 AM
 (B) First Initial Flow 20 Jars 250 T-Started 8:45 AM
 (C) First Final Flow 20 Safety Joint 75 T-Open 10:43 AM
 (D) Initial Shut-In 42 Circ Sub _____ T-Pulled 12:43 PM
 (E) Second Initial Flow 19 Hourly Standby _____ T-Out 2:37 PM
 (F) Second Final Flow 2' Mileage 120 RT 240 Comments Loaded tools
 (G) Final Shut-In 30 Sampler _____ 7-24-15 10:30 AM
 (H) Final Hydrostatic 2158 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 800
 Initial Shut-In 30 Day Standby XI 1.5d 8h Total 2395
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1595

Approved By _____ Our Representative 

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice Invoice# 805780

Invoice Date: 09/23/15 Terms: Net 30 Page 1

CULBREATH OIL & GAS CO.INC

3501 South Yale Aveune
TULSA OK 74135
USA
9187493508

MINNEY #1-2

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	30.000	250.25
CE0710	Cement Delivery Charge	1.000	903.0000	30.000	632.10
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	30.000	2,688.00
CC6075	Celloflake	60.000	3.0000	30.000	126.00
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50
Subtotal					6,945.50
Discounted Amount					2,083.65
SubTotal After Discount					4,861.85

Amount Due 7,290.76 If paid after 10/23/15

Tax: 241.69

Total: 5,103.54



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

42605
A182

TICKET NUMBER 46625
LOCATION Oakley, KS
FOREMAN Walt Duckel

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 805780

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-24-15	20007	Minsky #1-2	2	55	36W	Rawlins
CUSTOMER C. I. Breath Oil & Gas			Levent North R&B			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			445	Coody Roots		
STATE			566	Kearl		
ZIP CODE						

JOB TYPE PIA HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Dig up on W/W #4, Plug as indicated

50 SKS 2 2585'
 100 SKS 2 1580'
 50 SKS 2 360'
 10 SKS 2 40'
 30 SKS 100 R.H.

Thanks You
Walt & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CC0450	1	PUMP CHARGE	1,500.00	1,500.00
CC0002	50	MILEAGE	7.15	357.50
CC0710	10.32	Ten Mileage Delivery	1.75	903.00
CC5800	240 SKS	Lite Weight Blend V	16.00	3840.00
CC6075	60#	Flo-Seal	3.00	180.00
CP8228	1	8 5/8 Plug	165.00	165.00
				6945.00
			30%	-2,083.50
				4861.50
			SALES TAX	21.69
			ESTIMATED TOTAL	5103.54

AUTHORIZATION Walt Brown TITLE Tool Pusher DATE 7-24-15

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



918-938-6115

INVOICE

P.O. Box 205803
Dallas, TX 75320-5803

Invoice Number: 150220
Invoice Date: Jul 14, 2015
Page: 1

Voice: (832) 482-3742
Fax: (832) 482-3738

Federal Tax I.D.#: 20-8651475

Customer:
Culbreath Oil & Gas Co., Inc.
3501 S Yale Ave
Tulsa, OK 74135

Customer ID	Field/Block #	Payment Terms	
Cul	67774	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 14, 2015	8/13/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Minney #1-2A		
350.00	CEMENT MATERIALS	Class A Common	17.90	6,265.00
987.00	CEMENT MATERIALS	Chloride	1.10	1,085.70
367.50	CEMENT SERVICE	Cubic Feet Charge	2.48	911.40
1,270.80	CEMENT SERVICE	Ton Mileage Charge	2.75	3,494.70
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

Subtotal	14,176.55
Sales Tax	606.43
Total Invoice Amount	14,782.98
Payment/Credit Applied	14,782.98
TOTAL	0.00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 6,804.74

ONLY IF PAID ON OR BEFORE

08/14/2015

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067774

REMIT TO P.O. BOX 93999
SOUTH LAKE, TEXAS 76092

SERVICE POINT: Dak County

DATE: <u>7/14/15</u>	SEC: <u>2</u>	TWP: <u>5</u>	RANGE: <u>30</u>	CALLED OUT	ON LOCATION	JOB START: <u>3:00 PM</u>	JOB FINISH: <u>2:30 AM</u>
LEASE: <u>Munday</u>	WELL #: <u>#12A</u>	LOCATION: <u>Melton, all 5 to Rd H 2E 30</u>	COUNTY: <u>Kaufman</u>	STATE: <u>Tx</u>			
OLD OR NEW: <u>(Circle one)</u>	Rd 5 15 1/2 E 57th from cattle grounds		2 1/4 mile. E. side		1.01	8.25	

CONTRACTOR: <u>W.W. Y</u>
TYPE OF JOB: <u>Grout</u>
HOLE SIZE: <u>12 1/4</u> TD: <u>345</u>
CASING SIZE: <u>8 7/8</u> DEPTH: <u>345</u>
TUBING SIZE: DEPTH
DRILL PIPE: <u>4 1/2</u> DEPTH: <u>345</u>
TOOL: DEPTH
PRES. MAX: MINIMUM
MEAS. LINE: SHO JOINT
CEMENT LEFT IN CSC: <u>20'</u>
PERFS.
DISPLACEMENT: <u>21' @ 100 lbs</u>

CEMENT AMOUNT ORDERED: <u>350 cu 370 cc</u>
COMMON: <u>350 @ 17.25 = 6037.50</u>
POZ MIX: @
GEL: @
CHLORIDE: <u>987 @ 1.12 = 1085.44</u>
ASC: @
TOTAL: <u>7300.30</u>
DISCOUNT 4%: <u>352.834</u>

EQUIPMENT	
PUMP TRUCK # <u>431</u>	CEMENTER: <u>Alan Ryan</u>
	HELPER: <u>Volney Mcintosh</u>
BULK TRUCK # <u>891</u>	DRIVER: <u>Walter Ryan</u>
BULK TRUCK #	DRIVER

REMARKS:
Run by, Circulate, Pipe Cement Displace Grout
Cement Displace
Cement Displace
Thompson
Play, Harris, Wayne

SERVICE	
HANDLING: <u>367.50 @ 2.40 = 882.00</u>	
MILBAG: <u>2.25 @ 16.94/mile = 3811.50</u>	
DEPTH OF JOB: <u>15.12 @ 2.05 = 310.00</u>	
PUMP TRUCK CHARGE: @	
EXTRA FOOTAGE: @	
HV MILEAGE: <u>25 @ 2.20 = 55.00</u>	
LV MILEAGE: <u>25 @ 4.80 = 120.00</u>	
TOTAL: <u>6888.50</u>	
DISCOUNT 4%: <u>307.44</u>	

CHARGE TO: Calbreath
 STREET:
 CITY: STATE: ZIP:

TOTAL: 6888.50
 DISCOUNT 4%: 307.44

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: Walter Brown
 SIGNATURE: Walter Brown

SALES TAX (if any): <u>606.43</u>
TOTAL CHARGES: <u>14,174.50</u>
DISCOUNT (6.70%): <u>950.74 (4.8%)</u>
NET TOTAL: <u>7,371.80</u>

918 346-4849

Kevin Calbreath Oil Gas, Com