



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205014
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: _____



1205014

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"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Tengasco, Inc.
Well Name	Albers B 3
Doc ID	1205014

Tops

Name	Top	Datum
Anhydrite	1954	548
Heebner	3824	-1321
Lansing	3865	-1362
BKC	4163	-1657
Pawnee	4281	-1778
Ft. Scott	4360	-1857
Cherokee	4383	-1880
Miss Dolo	4468	-1965
TD	4629	-2126



DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

1327 Moose Rd
Hays, KS 67601

ATTN: Randy Kilian

McNinch #1

14-15s-25w Trego,KS

Start Date: 2014.05.07 @ 11:48:00

End Date: 2014.05.07 @ 21:02:30

Job Ticket #: 57621 DST #: 1

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

Printed: 2014.05.08 @ 13:20:43



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc.

14-15s-25w Trego,KS

1327 Noose Rd
Hays, KS 67601

McNinch #1

Job Ticket: 57621

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.05.07 @ 11:48:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:41:00

Time Test Ended: 21:02:30

Test Type: Conventional Straddle (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 4349.00 ft (KB) To 4455.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 4569.00 ft (KB) (TVD)

2387.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8679 Outside

Press@RunDepth: 835.30 psig @ 4446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.07

End Date: 2014.05.07

Last Calib.: 2014.05.07

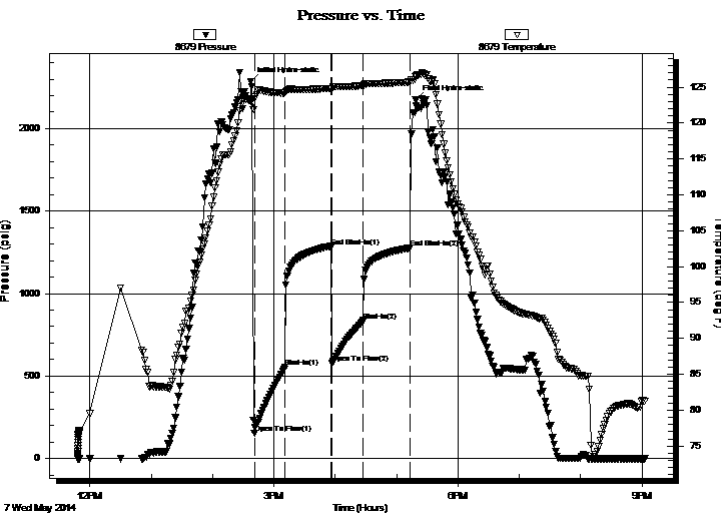
Start Time: 11:48:01

End Time: 21:02:30

Time On Btm: 2014.05.07 @ 14:37:30

Time Off Btm: 2014.05.07 @ 17:18:30

TEST COMMENT: I.F. - 30 - BOB in 2 min
I.S.I. - 45 - Weak surface blow back died in 40 min
F.F. - 30 - BOB in 2 min
F.S.I. - 45 - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.76	123.37	Initial Hydro-static
4	153.11	123.38	Open To Flow (1)
33	552.42	124.19	Shut-In(1)
79	1285.57	124.83	End Shut-In(1)
79	578.17	124.81	Open To Flow (2)
110	835.30	125.19	Shut-In(2)
156	1276.22	125.70	End Shut-In(2)
161	2172.89	126.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	W,C,M, 20%W 80%M	4.13
1386.00	S,M,C,W, 5%M 95%W	19.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tengasco Inc.

1327 Noose Rd
Hays, KS 67601

ATTN: Randy Kilian

14-15s-25w Trego, KS

McNinch #1

Job Ticket: 57621

DST#: 1

Test Start: 2014.05.07 @ 11:48:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:41:00

Time Test Ended: 21:02:30

Test Type: Conventional Straddle (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 4349.00 ft (KB) To 4455.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 4569.00 ft (KB) (TVD)

2387.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6625 Inside

Press@RunDepth: psig @ 4446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.07

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time: 11:48:01

End Time:

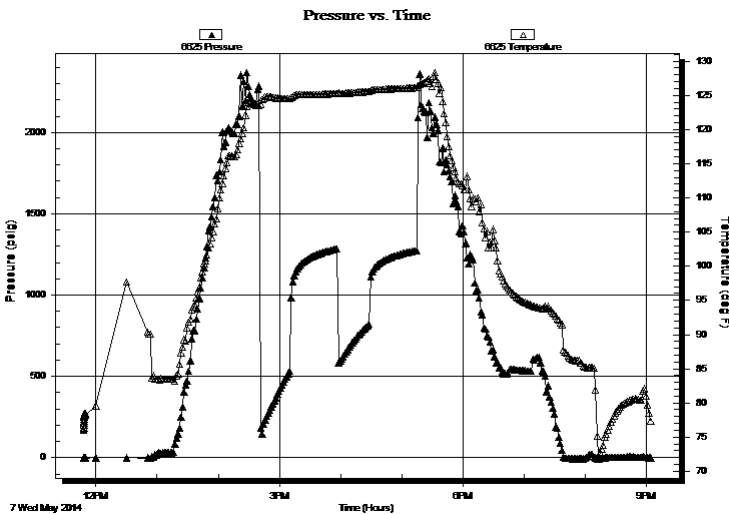
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Time On Btm:

Time Off Btm:

TEST COMMENT: I.F. - 30 - BOB in 2 min
I.S.I. - 45 - Weak surface blow back died in 40 min
F.F. - 30 - BOB in 2 min
F.S.I. - 45 - No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
315.00	W,C,M, 20%W 80%M	4.13
1386.00	S,M,C,W, 5%M 95%W	19.44

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Tengasco Inc.

14-15s-25w Trego, KS

1327 Noose Rd
Hays, KS 67601

McNinch #1

Job Ticket: 57621

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.05.07 @ 11:48:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:41:00

Time Test Ended: 21:02:30

Test Type: Conventional Straddle (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 4349.00 ft (KB) To 4455.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 4569.00 ft (KB) (TVD)

2387.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8319 Below (Straddle)

Press@RunDepth: psig @ 4462.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.07 End Date: 2014.05.07

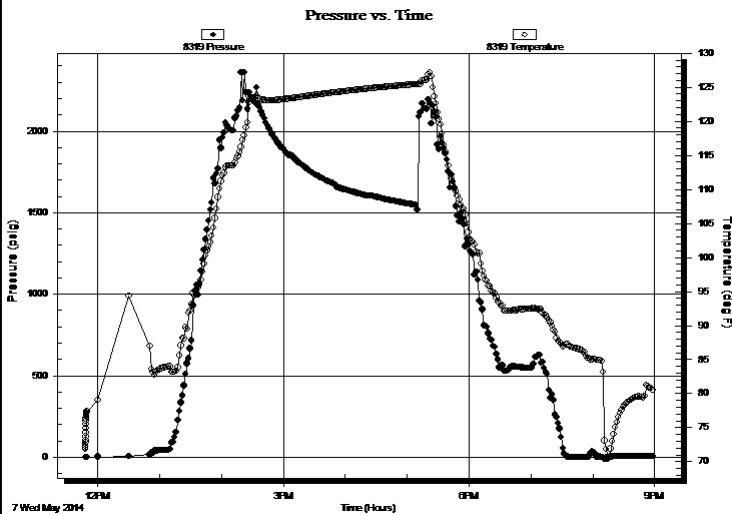
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Start Time: 11:48:01 End Time: 20:59:00

Time On Btm:

Time Off Btm:

TEST COMMENT: I.F. - 30 - BOB in 2 min
I.S.I. - 45 - Weak surface blow back died in 40 min
F.F. - 30 - BOB in 2 min
F.S.I. - 45 - No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
315.00	W,C,M, 20%W 80%M	4.13
1386.00	S,M,C,W, 5%M 95%W	19.44

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

14-15s-25w Trego,KS

1327 Noose Rd
Hays, KS 67601

McNinch #1

Job Ticket: 57621

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.05.07 @ 11:48:00

Tool Information

Drill Pipe:	Length: 4302.00 ft	Diameter: 3.80 inches	Volume: 60.35 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4349.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	4455.00 ft			
Interval between Packers:	106.00 ft			
Tool Length:	240.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
Safety Joint	3.00			4340.00	
Packer	4.00			4344.00	28.00 Bottom Of Top Packer
Packer	5.00			4349.00	
Stubb	1.00			4350.00	
Perforations	2.00			4352.00	
Change Over Sub	1.00			4353.00	
Drill Pipe	92.00			4445.00	
Change Over Sub	1.00			4446.00	
Recorder	0.00	6625	Inside	4446.00	
Recorder	0.00	8679	Outside	4446.00	
Perforations	5.00			4451.00	
Blank Off Sub	1.00			4452.00	
Stubb	3.00			4455.00	106.00 Tool Interval
Packer	1.00			4456.00	
Stubb	1.00			4457.00	
Perforations	5.00			4462.00	
Recorder	0.00	8319	Below	4462.00	
Change Over Sub	1.00			4463.00	
Drill Pipe	93.00			4556.00	
Change Over Sub	1.00			4557.00	
Bullnose	4.00			4561.00	106.00 Bottom Packers & Anchor

Total Tool Length: 240.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

14-15s-25w Trego,KS

1327 Noose Rd
Hays, KS 67601

McNinch #1

Job Ticket: 57621

DST#: 1

ATTN: Randy Kilian

Test Start: 2014.05.07 @ 11:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	W,C,M, 20%W 80%M	4.127
1386.00	S,M,C,W, 5%M 95%W	19.442

Total Length: 1701.00 ft Total Volume: 23.569 bbl

Num Fluid Samples: 0

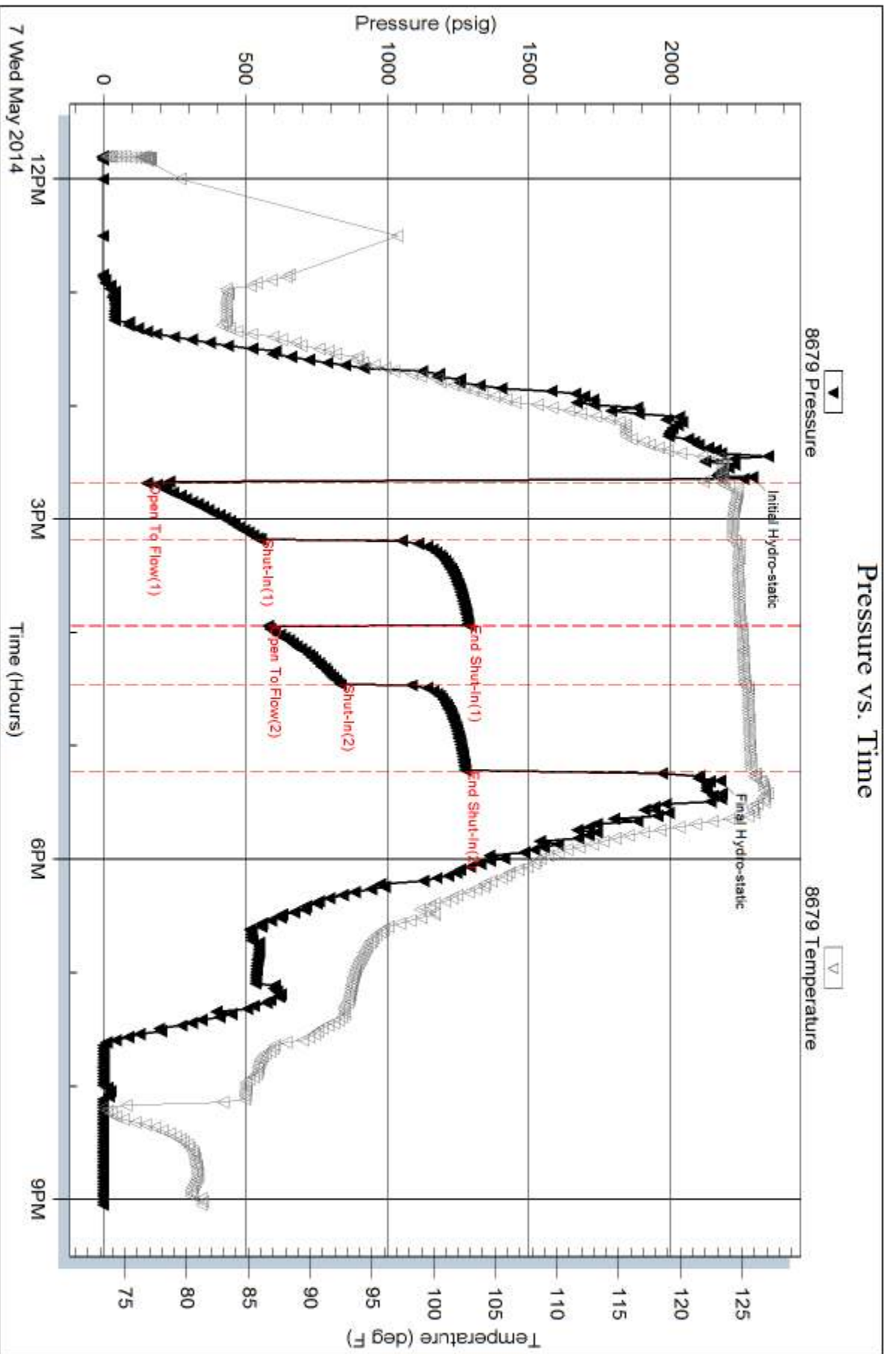
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: R.W. = .16 OHMS @ 87.4 DEG



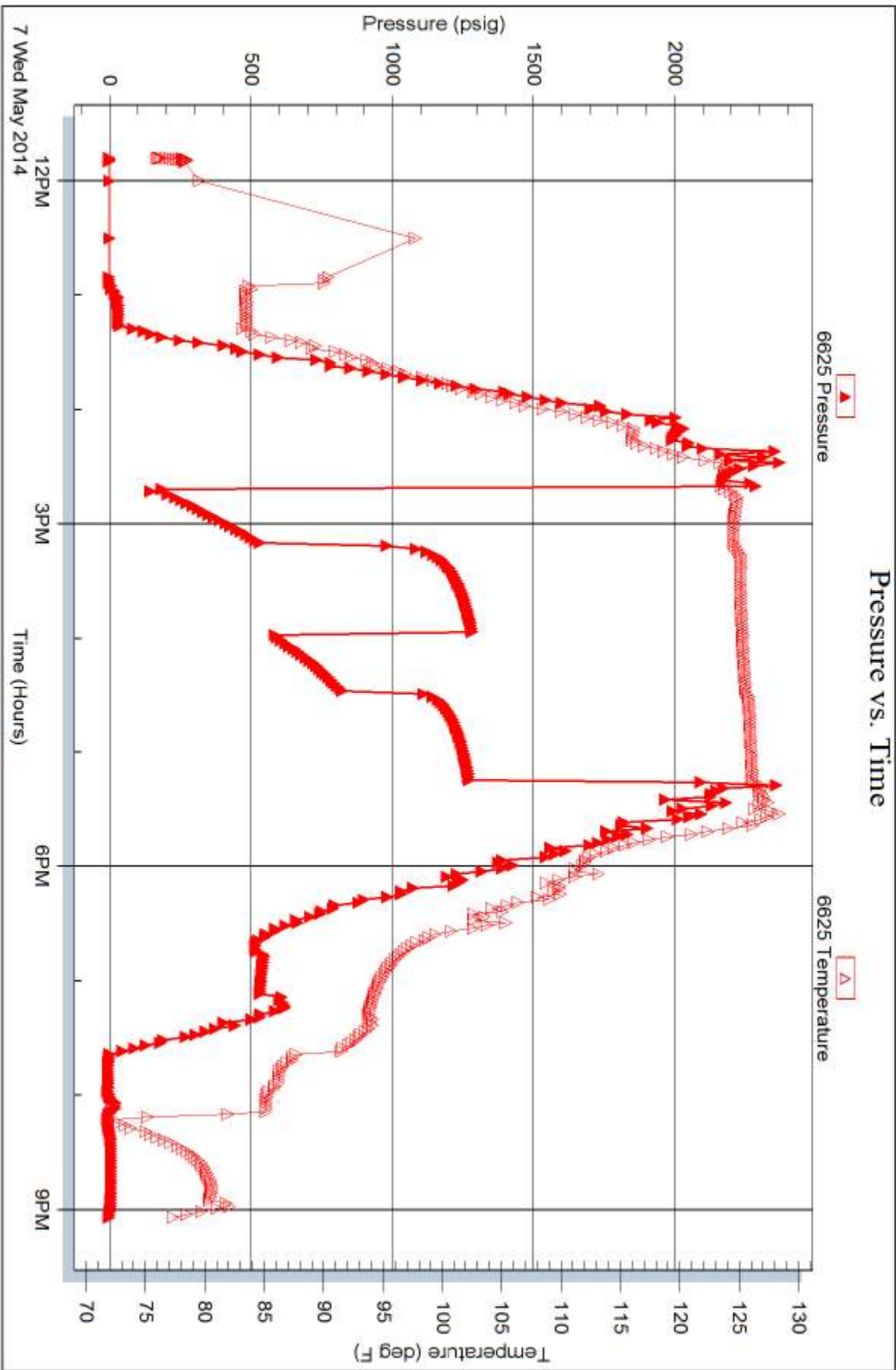
Serial #: 6625

Inside

Tengasco Inc.

McNinch #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57621

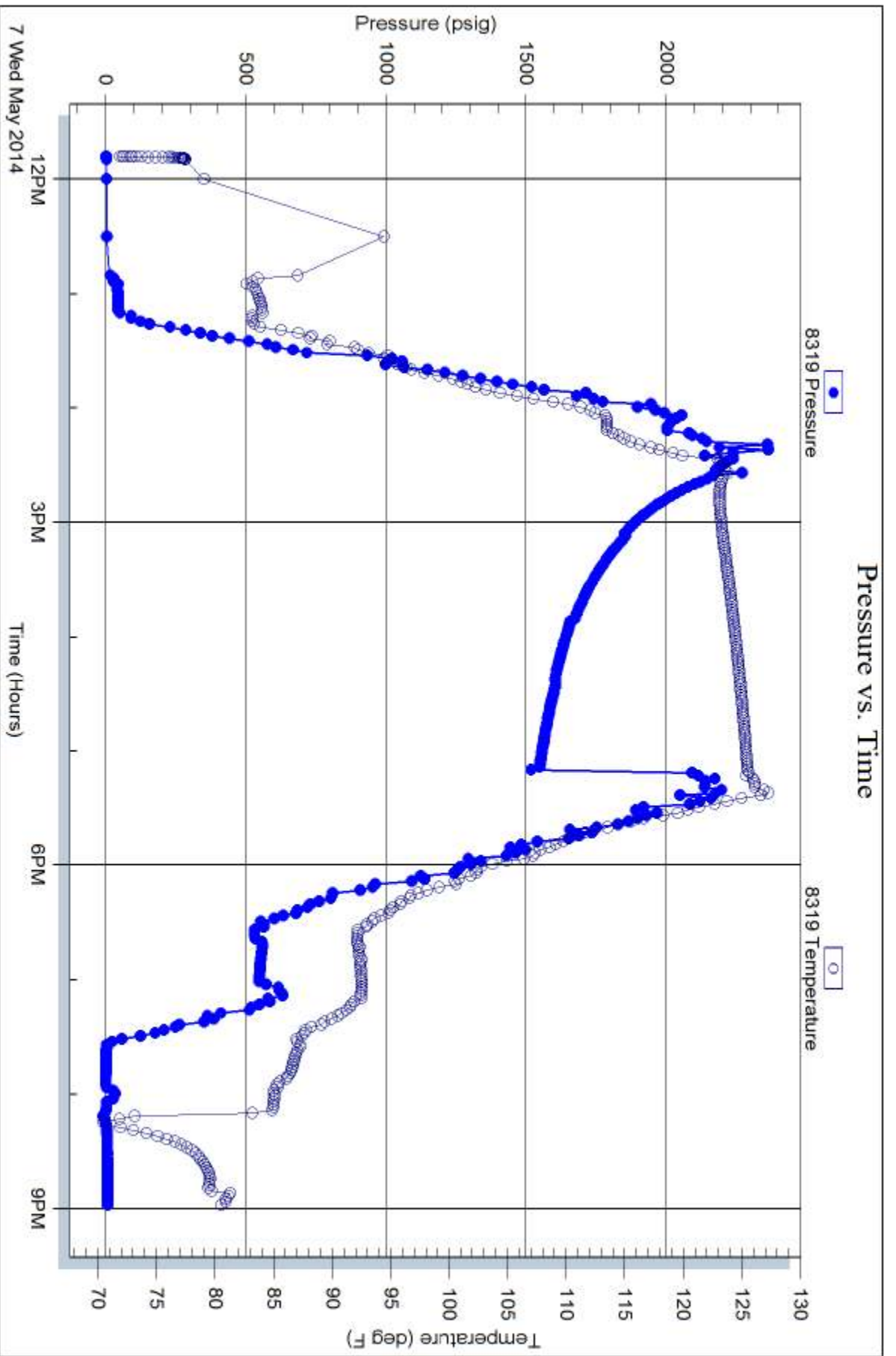
Printed: 2014.05.08 @ 13:20:45

Serial #: 8319

Below (Strat)psco inc.

McNinch #1

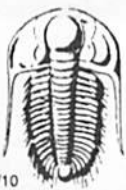
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57621

Printed: 2014.05.08 @ 13:20:45



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57621

Well Name & No. McNinch Test No. 1 Date 5-7-14
 Company Tengasco INC. Elevation 2394 KB 2387 GL
 Address 1327 Moose Rd. Hays KS. 67601
 Co. Rep / Geo. Randy Hillian / Dan Jacobs Rig American eagle Rig #3
 Location: Sec. 14 Twp. 15 - S. Rge. 25 - W. Co. Trego State KS.

Interval Tested 4349-4455 Zone Tested Cherokee
 Anchor Length 106' Drill Pipe Run 4302 Mud Wt. 9.5
 Top Packer Depth 4349-4344 Drill Collars Run 32 Vis 70
 Bottom Packer Depth 4455 (Straddle) Wt. Pipe Run --- WL 7.6
 Total Depth 4509 Chlorides 3500 ppm System LCM 4

Blow Description I.F. - 30 - 1/2" INT. Blow Built to B.O.B. in 2 min.
I.S.I - 45 - W.S. B.B. started (a) 10 min. Dead at 40 min.
E.F. - 30 - 1/2" INT. Blow (B.O.B. in 2 min.)
E.S.I - 45 - No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>315</u>	Feet of <u>w.c.m.</u>			<u>20</u>	<u>80</u>
Rec <u>1386</u>	Feet of <u>S.M.C.W</u>			<u>95</u>	<u>5</u>
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 1701 BHT _____ Gravity _____ API RW .16 @ 87.4° F Chlorides 36,000 ppm

(A) Initial Hydrostatic 2,286 Test 1250 T-On Location 11:20:00
 (B) First Initial Flow 153 Jars 250 T-Started 11:48:00
 (C) First Final Flow 552 Safety Joint 75 T-Open 14:39:00
 (D) Initial Shut-In 1,286 Circ Sub 50 T-Pulled 17:09:00
 (E) Second Initial Flow 578 Hourly Standby T-Out 21:05:00
 (F) Second Final Flow 835 Mileage 130 / RT. 201.50 Comments Dropped Bar
 (G) Final Shut-In 1,276 Sampler Straddle...
 (H) Final Hydrostatic 2,173 Straddle 600 Thank-you
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 46

Sub Total 2426.50 Total 2426.50 MP/DST Disc't _____

Approved By _____

Our Representative [Signature]

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.

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

Well Name: ALBERS B - 3
Location: 1660' FNL & 2090' FEL; NE/4 Sec. 23 T15S R25W
License Number: 34110
Spud Date: 3/15/14
Surface Coordinates:
Region: Trego Co., KS
Drilling Completed: 3/24/2014

Bottom Hole
Coordinates:
Ground Elevation (ft): 2496' K.B. Elevation (ft): 2503'
Logged Interval (ft): 3500' To: 4603' Total Depth (ft): 4629'
Formation: Mississippian
Type of Drilling Fluid: Chemical Mud

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:

FORMATION

FORMATION	LOG TOP	SAMPLE TOP
Anhydrite	3051 (548)	3054 (+551)
Heebner	3824 (-1321)	3825 (-1322)
Lansing	3865 (-1362)	3865 (-1362)
BKC	4163 (-1657)	4163 (-1657)
Pawnee	4281 (-1778)	4283 (-1780)
Ft. Scott	4360 (-1857)	4360 (-1857)
Cherokee	4383 (-1880)	4383 (-1880)
Miss Dolo	4468 (-1965)	4467 (-1964)
TD	4629 (-2126)	4929 (-2126)

DST

DST#1 4437-4484 45-45-45-45
IFP: Weak blding to BOB in 35 min: ISP: 1/4" blow back
FFP: Weak blding to BOB in 43 min: ISP: surface blow back
SIP: 914 - 881 FP: (31-105)(114-169)
REC: 330' GIP; 186' MGO (25%g, 55%o, 20%m)
225' clean oil (38 gravity)

Comments

Production casing was ran to further test the economic potential of the Mississippian formation.

ROCK TYPES

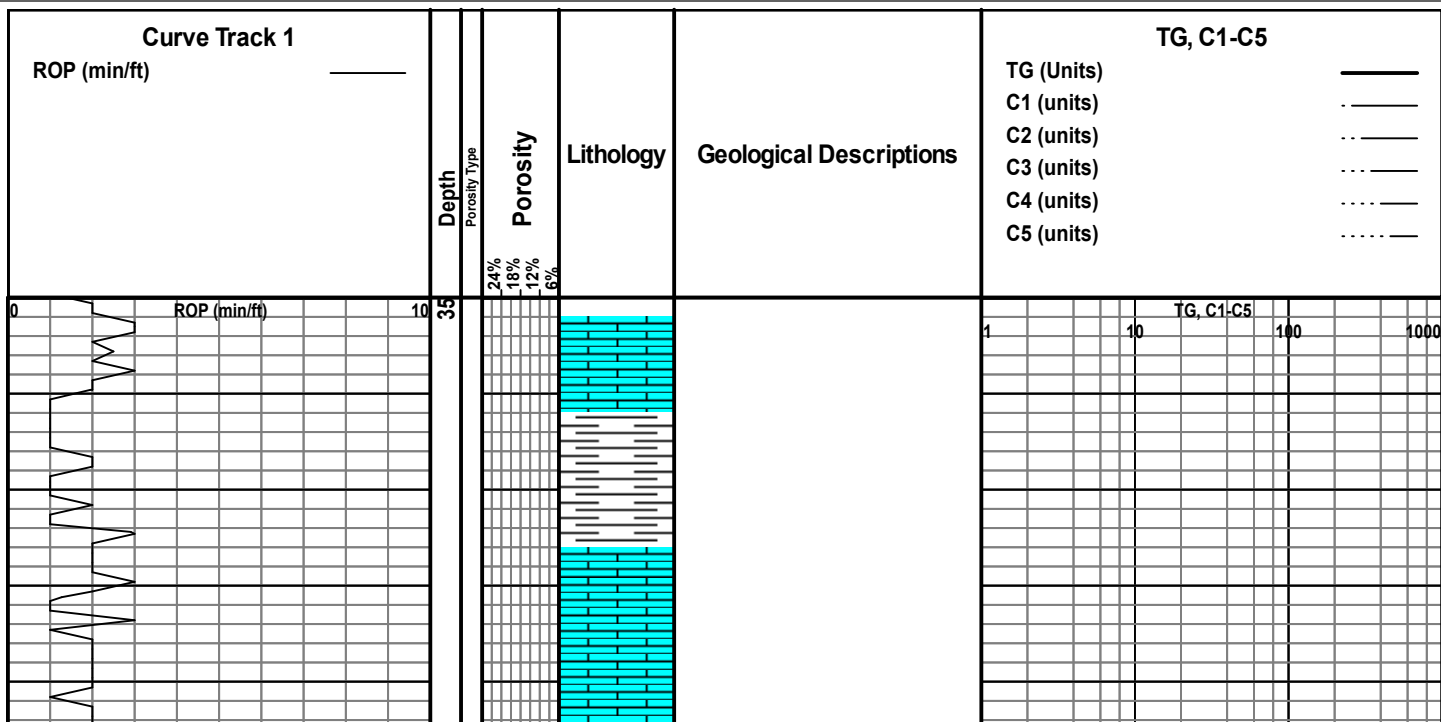
Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Coal	Igne	Salt	Sltst
Brec	Congl	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

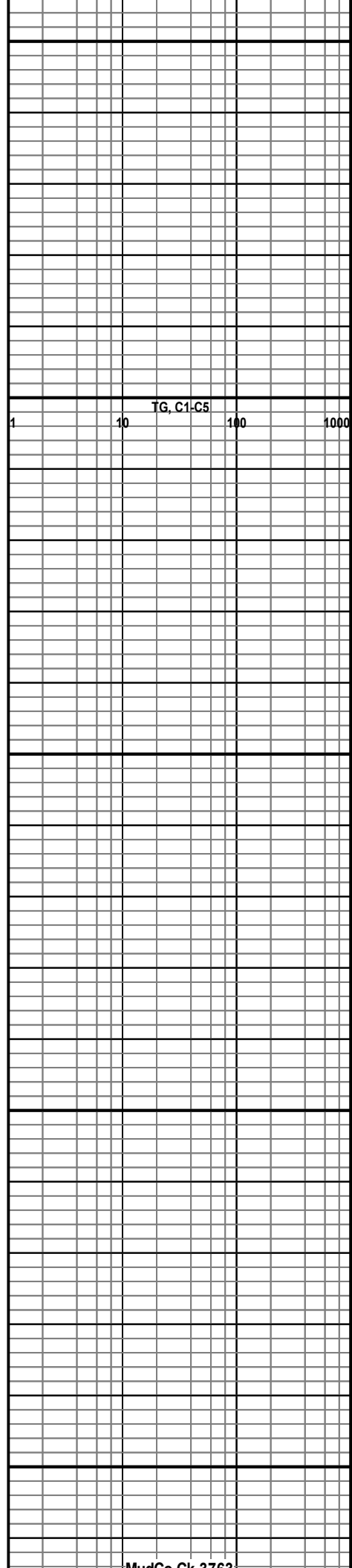
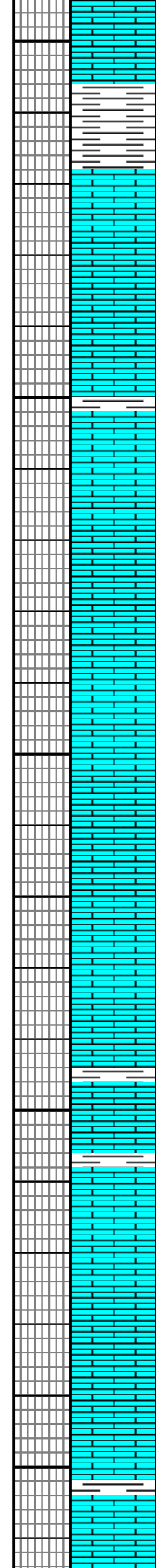
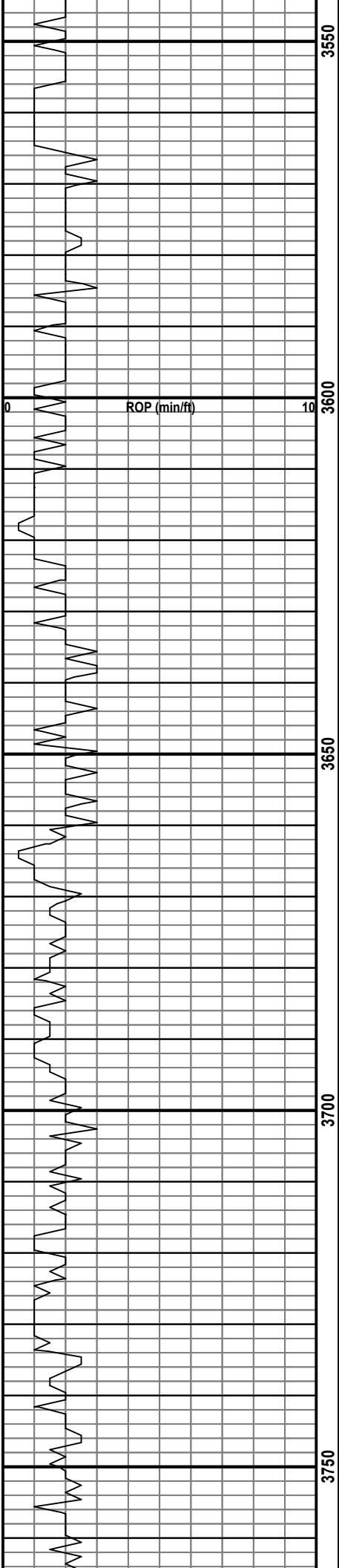
ACCESSORIES

MINERAL	Gyp	FOSSIL	Ostra	Sltstrg
Anhy	Hvymin	Algae	Pelec	Ssstrg
Arggrn	Kaol	Amph	Pellet	TEXTURE
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	STRINGER	Earthy
Calc	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Arg	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chtlt	Silt	Echin	Coal	Microxln
Dol	Sil	Fish	Dol	Mudst
Feldspar	Sulphur	Foram	Gyp	Packst
Ferrpel	Tuff	Fossil	Ls	Wackest
Ferr		Gastro	Mrst	
Glau		Oolite		

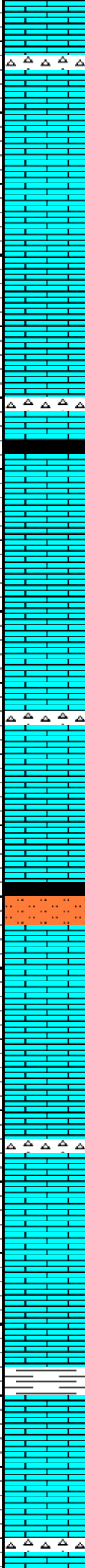
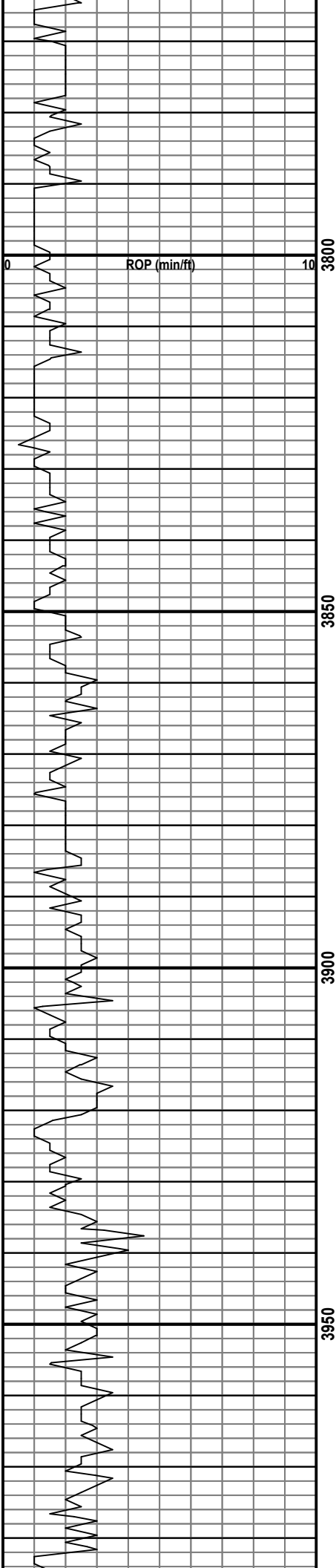
OTHER SYMBOLS

POROSITY	Vuggy	ROUNDING	Spotted	EVENT
Earthy		Rounded	Ques	Rft
Fenest	SORTING	Subrnd	Dead	Sidewall
Fracture	Well	Subang	INTERVAL	
Inter	Moderate	Angular	Core	
Moldic	Poor	OIL SHOW	Dst	
Organic		Even		
Pinpoint				





Mudco CR 3763
Vis 65
Wt 8.6
WL 6.8
Chlr 2500



Chert, wh-crm, few foss; Ls, tan-brn, fxl to ool, pr vis por, sn, n/o; Sh, blk 3800

Ls, tan, gran, sl ixgran por, ns, n/o

a/a

Ls, wh-crm, f gran, cal rexln, sl ixl por; Chert, brn, foss, fresh, dense, sct'd clk; Sh, blk

Chert, gry, foss; Ls, tan, gran, sl-fr ixgran por, org stn, cky, soft white, ns, n/o

SH, BLK, carb 3850

Sh, a/a; Ls, crm, gran, sl to r pc fr ixl por, ns, n/o

Ls, wh-crm, fxl to gran, some cky, ns, n/o

Ls, wh-crm, a/a, cky, ns, n/o

a/a; few pc Sh, grn, ns, n/o

Chert, wh, fresh, dse; Slst, grn, argil, fri; Ls, crm, pkstn, cal rexln, sl -pr vis por, ns, n/o 3900

Ls, crm, fxl, wkstn, pr-sl por, some cky; Chert, wh-op, ns, n/o

Ls, ofwh-tan, mdstn to sl gran, some cky, sn, n/o

SH, blk-dk gry, grn; Ls, wh, ool, sl ixool por, low rep, ns, n/o

Ls, ofwh, fxl, ool, pr vis por r pc w fr ixool por, ns, n/o

Chert, op-wh, salmon; Ls, crm, ool-gran, fr por; Sh, brite green, ns, n/o 3950

Ls, a/a; Sh, blk

Ls, tan, gran, fr por, ns; Chert, wh-salmon, ns, n/o

a/a

Ls, crm-tan, fxl, sct'd cky, ns, n/o

Ls, crm-tan, fxl to sl gran, sct'd ls brn, ool, pr vis por, ns, n/o 4000

Chert, wh, ool; Ls, ofwh, ool-sl

TG, C1-C5 1 10 100 1000

**HEEBNER
3825 (-1322)**

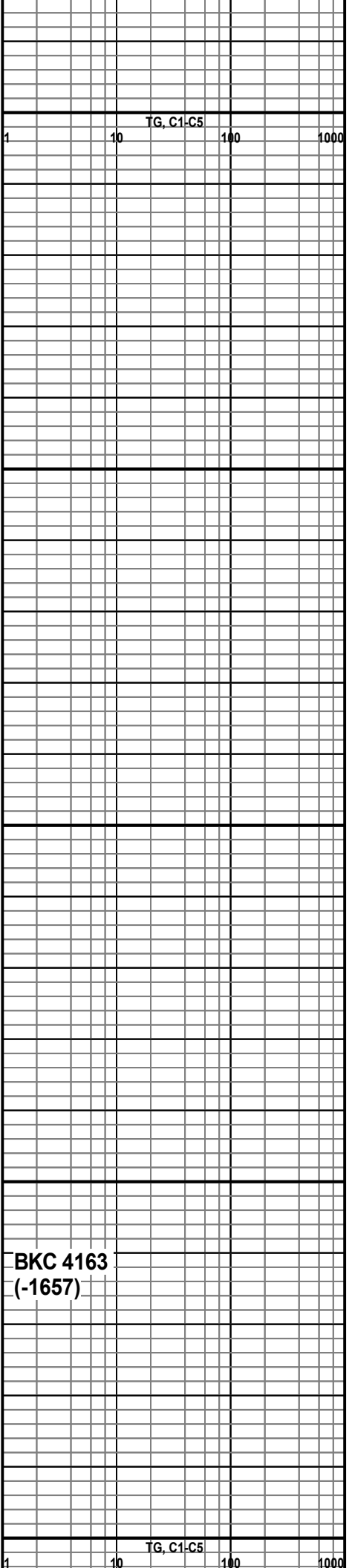
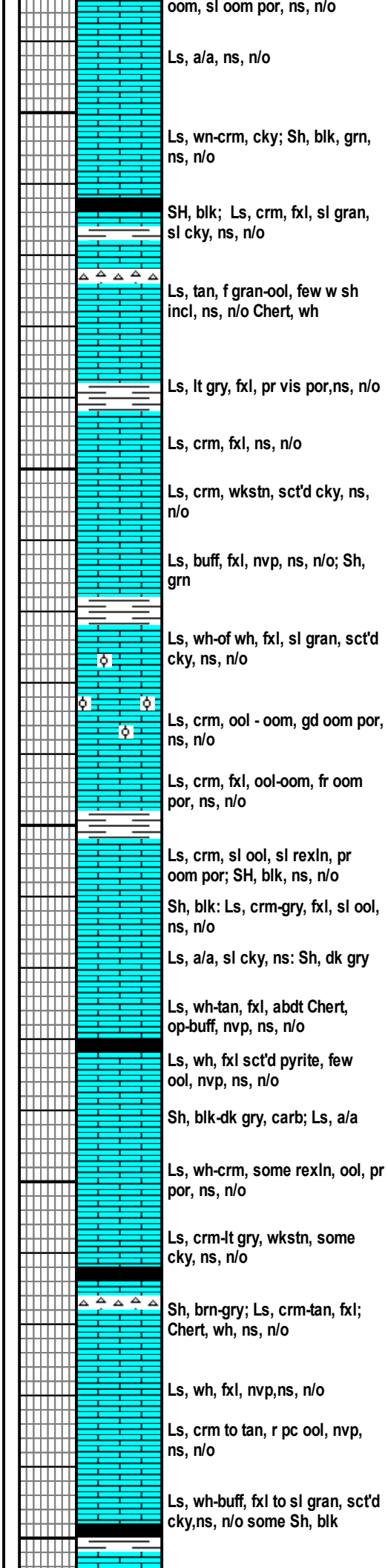
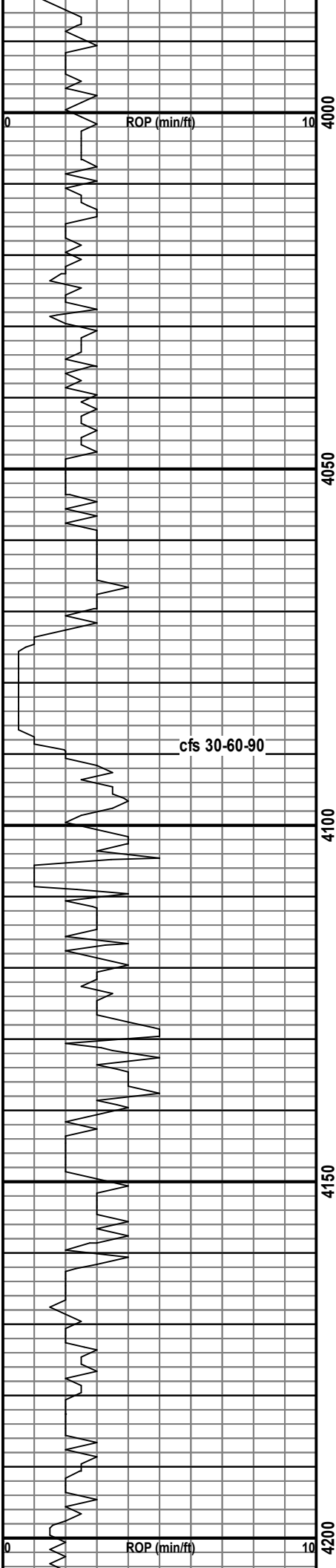
**LSG 3865
(-1362)**

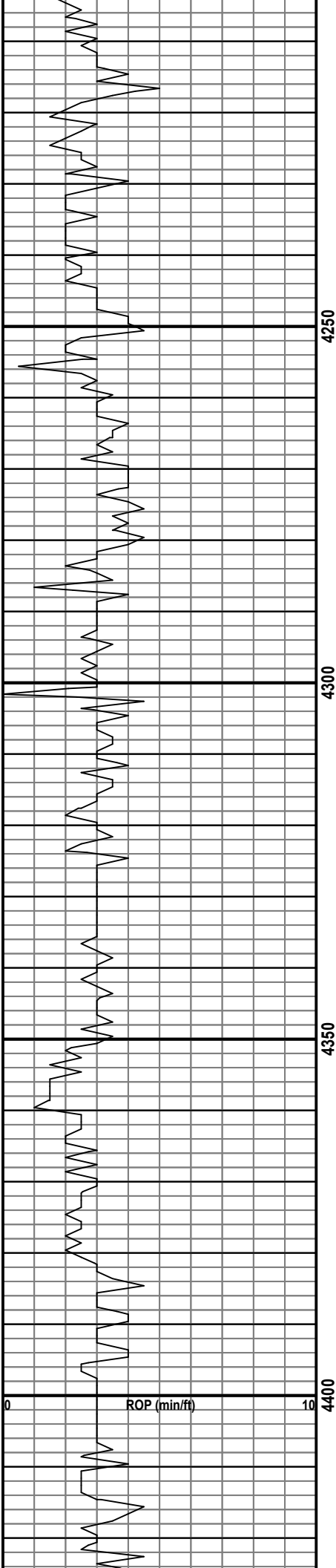
3800

3850

3900

3950



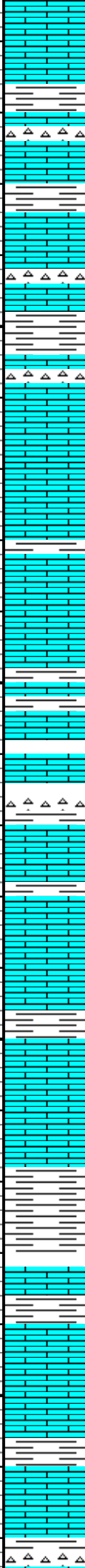


4250

4300

4350

4400



Ls, wh-tan, fxl to ool; chert
crm, nvp, ns, n/o

Ls, wh-offwh, fxl to sl gran,
sct'd cky, ns, n/o

Ls, wh-tan, fxl, some ool; Chert,
buff, ns, n/o 4250

Ls, a/a; abdnt Chert, op-crm

Ls, wh-lt gry, fxl, nvp; Chert
a/a, some sh, dk gry, ns, n/o

Ls, wh-lt gry, fxl, nvp; Chert
a/a, ns, n/o

a/a sl cky

Ls, wh-buff, fxl, rexln, sl cky,
pr vis por, ns, n/o

Ls, wh-tan, fxl, nvp, ns, n/o

SH, blk, carb; sct'd pyrite

Ls, wh, fxl to ool, nvp, ns, n/o

Ls, crm-lt gry, sl cky, fxl; Ch,
brn-rd, ns, n/o

a/a

Ls, wh-lt gry, sl cky, fxl; Sh,
blk

Ls, tan, fxl, some gran to ool,
sl shly, ns, n/o

Ls, wh, wkstn, sl cky, ns, n/o

Ls, crm-tan, fxl, some w cal
rexln, ns, n/o

Ls, crm-tan, mst fxl; r pc Ls,
wh, asp stn, nvp, nsfo, n/o

Ls, wh-tan, some cky, fxl, r pc
brn w foss frags, nvp, cky, ns,
n/o

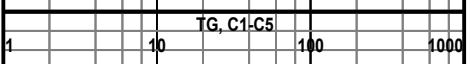
SH, gry-grn, blk

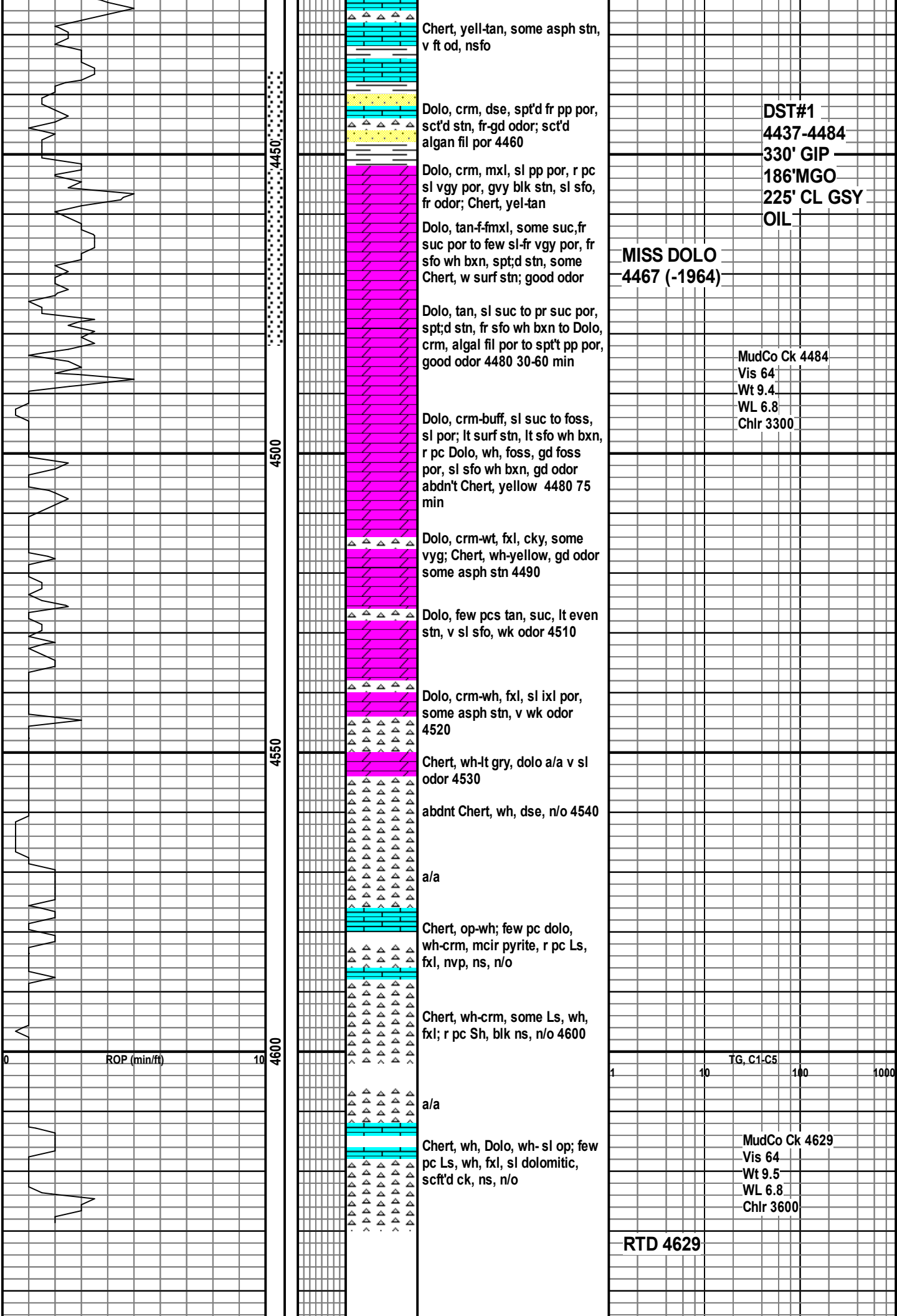
Pawnee 4283
(-1780)

MudCo Ck 4295
Vis 62
Wt 9.25
WL 6.8
Chr 3000

Ft. Scott
4360 (-1857)

Chero 4383
(-1880)





QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

785-483-2025
785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7176

Date	3-16-14	Sec.	23	Twp.	15	Range	25	County	Trego	State	Ks	On Location		Finish	1:00 AM
Lease								Location							
Albers								Wakeney, Ks - 20 S to CCRd, 9W							
Well No. B #3				Owner 1/2 N, W/4				Contractor				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
American Eagle #3				Type Job				Surface				Charge To			
12 1/4"				T.D.				265'				Tengasco			
8 5/8"				Depth				263'				Street			
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg. 15'				Shoe Joint 15'				Cement Amount Ordered				170 Sx Com 3% CC			
Meas Line				Displace				15 3/4 BLS				2% Gel			
EQUIPMENT								Common 170							
Pumptrk 5 No. Cementer				Helper				Lonnice W.				Poz. Mix			
Bulktrk 19 No. Driver				Driver				David				Gel. 3			
Bulktrk p.u. No. Driver				Driver				Rick				Calcium 6			
JOB SERVICES & REMARKS								Hulls							
Remarks: Cement did Circulate								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
								Handling 179							
								Mileage							
FLOAT EQUIPMENT								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Surface							
								Mileage 30							
X Signature <i>Keith Kaul</i>								Tax							
								Discount							
								Total Charge							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 409

Date	4-10-74	Sec.	93	Twp.	15	Range	25	County	Wagoner	State	KS	On Location	12:00pm	Finish	2:00pm
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Lease: Albers Location: WaKeeny 205 to CCRD
Well No. 3 Owner: Q W to + J N Wink

Contractor: Fishes
Type Job: port collar
To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size: _____ T.D. _____ Charge To: Tengasco Inc

Csg. 5 1/2 Depth _____ Street _____
Tbg. Size 2 1/2 Depth _____ City _____ State _____

Tool _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. _____ Shoe Joint _____ Cement Amount Ordered: 275 QMDC

Meas Line _____ Displace _____ 74 flow used 160

EQUIPMENT		Common
Pumptrk	17 No. Cementer <u>Wick</u> Helper _____	160
Bulktrk	17 No. Driver <u>Nick</u> Driver _____	Poz. Mix
Bulktrk	17 No. Driver <u>Clayton</u> Driver _____	Gel.
		Calcium

JOB SERVICES & REMARKS
Hulls _____

Remarks: _____ Salt _____

Rat Hole _____ Flowseal 68#

Mouse Hole _____ Kol-Seal _____

Centralizers _____ Mud CLR 48 _____

Baskets _____ CFL-117 or CD110 CAF 38 _____

D/V or Port Collar 1986 _____ Sand _____

_____ Handling 275 _____

_____ Mileage _____

_____ **FLOAT EQUIPMENT** _____

_____ Guide Shoe _____

_____ Centralizer _____

_____ Baskets _____

_____ AFU Inserts _____

_____ Float Shoe _____

_____ Latch Down _____

_____ Opening Tool _____

_____ Pumptrk Charge port collar _____
_____ Mileage 30 _____

Signature: Ray Wagner

Tax	
Discount	
Total Charge	

Mixed 4 bags
Gel mix 162 ske
to surface displaced
10 BBL of water
Shut tool joint to
800 Run 5 feet
wash clean Big down
Cement did
Circulate thru
son

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 007

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-24-14	23	15	15	Trego	KS		1:15 A.M.
Lease Alders B				Well No. 3		Owner	
Contractor American Eagle #3				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job Production String				Charge To Tengasco			
Hole Size 7 7/8		T.D. 4629		Street			
Csg. 5 1/2 14#		Depth 4632		City			
Tbg. Size		Depth		State			
Tool Port Collar		Depth 1988		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint 21'		Cement Amount Ordered 180 Pro C 10% Salt 2/452			
Meas Line		Displace 112 1/2 BCL		500 gal mud Clear			
EQUIPMENT				Common 180 pro c-			
Pumptrk 18	No.	Cement Helper Craig		Poz. Mix			
Bulktrk	No.	Driver Cody		Gel. 3			
Bulktrk 9	No.	Driver Clayton		Calcium			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt 16			
Rat Hole 30SK				Flowseal			
Mouse Hole				Kol-Seal 40SK			
Centralizers				Mud CLR 48 500 gal			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
5 1/2 set @ 4632. Insert @ 4611				Handling 199			
Est. Circulation Pump 500 gal mud Flush				Mileage			
+ 10 BCL spacer cement Rathole with 30SK cement slt with 150SK				FLOAT EQUIPMENT			
Clear lines + Displace Phys.				Guide Shoe 5 1/2			
Phys. land @ 1500# H2O.				Centralizer 6			
Release Pressure Day				Baskets 3			
				AFB Inserts Port Collar			
				Float Shoe 1			
				Latch Down 1			
				Pumptrk Charge			
				Mileage 30			
				Tax			
				Discount			
				Total Charge			
X Signature Keith Kauler							