

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1350903
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: _____

1350903

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
--	---

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Pickrell Drilling Company, Inc.
Well Name	ALBIN "I" 3
Doc ID	1350903

All Electric Logs Run

Dual Comp Porosity
Dual Induction
Microresistivity
Cement Bond Log



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

042106

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT:

OGKLY

DATE <u>11-1-16</u>	SEC <u>28</u>	TWP <u>14S</u>	RANGE <u>27W</u>	CALLED OUT	ON LOCATION <u>11:30pm</u>	JOB START <u>12:00am</u>	JOB FINISH <u>12:30am</u>
LEASE <u>Albin 1</u>	WELL# <u>3</u>	LOCATION <u>Grove 10S 2E 1S 5E 1S</u>			COUNTY <u>Cove</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			2E 1/2N E into				

CONTRACTOR Pickrell 10 OWNER Same
 TYPE OF JOB Surface
 HOLE SIZE 1 3/4 T.D. 212
 CASING SIZE 9 5/8 DEPTH 299.41
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 12.51 BBL

CEMENT
 AMOUNT ORDERED 150 SKS COM 306CC
2% GEL

COMMON 150 SKS @ 17.90 2685.00
 POZMIX @
 GEL 282# @ 1.05 296.10
 CHLORIDE 423# @ 1.10 465.30
 ASC @
 @
 @
 @
 @
 @
 @
 @

EQUIPMENT
 PUMP TRUCK CEMENTER Andrew Terlund
 # 566-281 HELPER Kevin Ryan
 BULK TRUCK
 # 891 DRIVER Jade Mitten
 BULK TRUCK
 # DRIVER

TOTAL 3,446.40

DISCOUNT 40% 1,378.56

REMARKS:

Circulated 3 BBL TO PIT

Thank you

CHARGE TO: Pickrell Drilling Co Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

HANDLING 162 cu/ft @ 2.48 401.76
 MILEAGE 2.25 ton/mile @ 800 1800.00
 DEPTH OF JOB 211.41'
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @
 HV MILEAGE 50 miles @ 2.20 385.00
 LV MILEAGE 50 miles @ 4.40 2200.00
 @
 @

TOTAL 3619.01

DISCOUNT 40% 1447.60

PLUG & FLOAT EQUIPMENT

@
 @
 @
 @
 @
 @

TOTAL

DISCOUNT %

To: Allied OFS, 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 Mike Kern

SIGNATURE Mike Kern

SALES TAX (If Any) _____
 TOTAL CHARGES 7,065.41
 DISCOUNT 2,826.16 (40%) IF PAID IN 30 DAYS
 NET TOTAL 4,239.24 IF PAID IN 30 DAYS



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

File Copy

Invoice

DATE	INVOICE #
11/12/2016	29772

BILL TO
Pickrell Drilling Co. Inc. NOV 27 2016
PO Box 375
Ness City, KS 67560 VENDOR BATCH NO.

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	I-3	Albin	Gove	Company Tools	Oil	Development	Cement Long Str...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				50	Miles	5.00	250.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
402-4	4 1/2" Centralizer				6	Each	55.00	330.00T
403-4	4 1/2" Cement Basket				1	Each	225.00	225.00T
404-4	4 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-4	4 1/2" Latch Down Plug & Baffle				1	Each	200.00	200.00T
407-4	4 1/2" Insert Float Shoe With Auto Fill				1	Each	275.00	275.00T
325	Standard Cement				75	Sacks	12.25	918.75T
326	60/40 Pozmix (2% Gel)				125	Sacks	9.75	1,218.75T
283	Salt				325	Lb(s)	0.20	65.00T
285	CFR-1				100	Lb(s)	4.50	450.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
583D	Drayage				444.68	Ton Miles	0.75	333.51
	Subtotal							8,975.01
	Sales Tax Gove County						8.50%	577.28

We Appreciate Your Business! **Total** \$9,552.29

[Handwritten signature and initials]

JOB LOG

SWIFT Services, Inc.

DATE 12 NOV 16 PAGE NO.

CUSTOMER Pickrell Drilling WELL NO. I-3 LEASE Allen JOB TYPE count log string TICKET NO. 29772

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk 60/40 20% w/gel CFR-1 75 standard w/ 10% salt 4 1/2" x 10.5" casing 103 ft string 21' Centralizer 1, 2, 9, 10, 56, 58 skt # 57 PortCoker 57 @ 1920'
	0300							on loc TRK 110
	0433							start 4 1/2" casing in well
	0638							Drop ball - circulate
	0735	5	32					Pump flush 500 met flush - 20 lb KCL 200 lb Plug RH - 100 lb 305 lb 200 lb
			6					
		3 1/2	23			400		MIX 60/40 20% gel 75 sk 95 sk @
		3 1/2	16			400		MIX STANDARD 10% salt 75 sk @
								Drop latch down plug wash out pump line
	0817	6				400		Displace plug
		6	64			850		
	0830	6	68			1400		Land plug
								Release pressure to truck - dried up
	0838							wash truck
								Rack up
	0910							job complete
	1015							Thanks B. Love & Flint & Stone

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

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

Well Name: Albin "I" #3
API: 15-063-22296
Location: Section 28 - T14S - R27W
License Number: 5123
Spud Date: 10 / 31 / 2016
Surface Coordinates: 1505' FSL and 1675' FWL
Approx. S2 - SW - NE - SW
Region: Gove Co., KS
Drilling Completed: 11 / 12 / 2016
Bottom Hole Coordinates:
Ground Elevation (ft): 2470' K.B. Elevation (ft): 2477'
Logged Interval (ft): 3400' To: 4305' Total Depth (ft): 4305'
Formation: Mississippian
Type of Drilling Fluid: Chemical - Andy's Mud & Chemical Co.

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

OPERATOR

Company: Pickrell Drilling Co., Inc
Address: 100 S Main Ste 505
Wichita, KS 67202

GEOLOGIST

Name: Aaron L. Young, M. S.
Company: Pickrell Drilling Co., Inc
Address: 100 S Main Ste 505
Wichita, KS 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	RR	15-15-15	212'	205'	NA
2	7-7/8	HA 20JQ	16-20-Plug	4078'	3866'	98.5
3	7-7/8	JZ F39613	15-15-15	4305'	227'	15.75

SURVEYS: 212'-0, 718'-.5, 1218'-.5, 1811'-.75, 2218'-.75, 3907'-.75

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 38,000 -42,000 lbs. on bit and approx 65-70 RPM.
Running 8 stands of collars; 458'
Pumping approx 875-900 psi at standpipe.

Daily Status

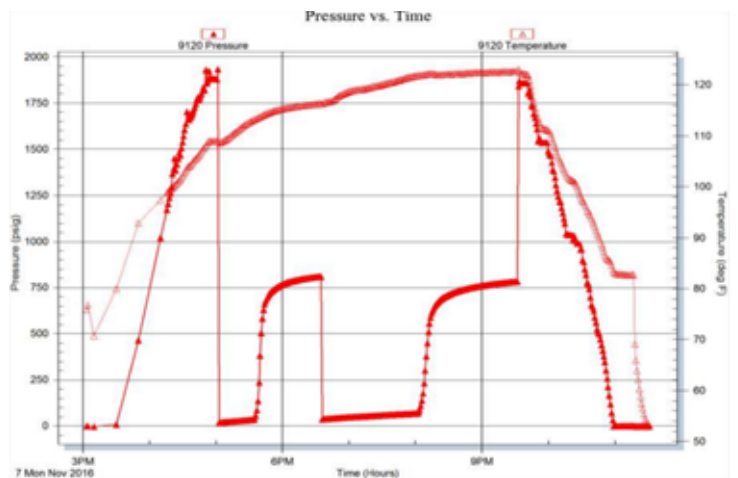
11/1/16 - Spud @ 5:00pm, Depth 212', ran 5 jts of used 8 5/8" 20# surface casing set @ 207', cemented w/ 150 sx. Common, 2% gel & 3% CC
 11/2/16 - WOC, @ 212'
 11/3/16 - Drilling, @ 1561'
 11/4/16 - Drilling, @ 2536'
 11/5/16 - TD 3157', SD for repairs on draw-works shaft
 11/6/16 - Drilling, @ 3483'
 11/7/16 - Running Short trip @ 3907', DST #1
 11/8/16 - Drilling, @ 3957' DST #2
 11/9/16 - Drilling, @ 4085' DST ##
 11/10/16 - Drilling, @ 4216', DST #4
 11/11/16 - TIH for DST #5, RTD 4305'
 11/12/16 - Ran 103 jt of new 4 1/2" 10.5# prod csg. set @ 4299' (tally 4300'), Port collar @ 1920', cem bottom w/ 125 sx 60-90 poz mix followed by 75 sx common w/ 10% salt

DST #1 LKC 'J' 3878'-3907'
30"-60"-90"-90"

IF: Weak blow; built to 6"
ISI: No return
FF: Very weak blow; built to 2"
FSI: No return

Rec': 5' OWCM (30% O, 30% W, 40% M), 120' MW (40% M, 60% W)

SIP: 809-783# **FP:** 28-44#, 61-78# **HP:** 1909-1881#

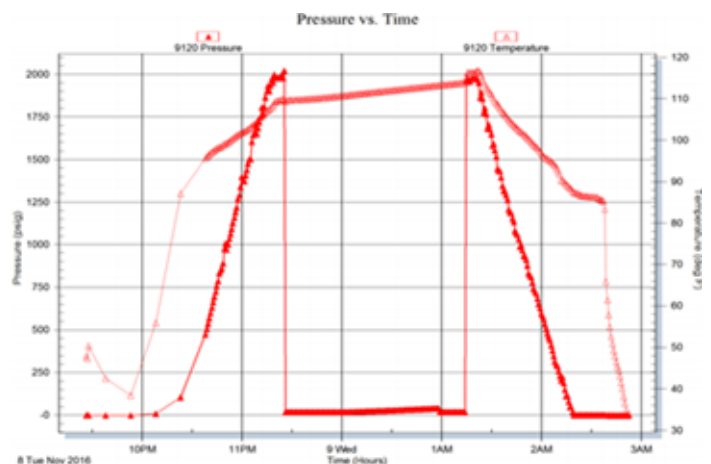


DST #2 Altamont 4040'-4078'
30"-60"-10" pulled tool

IF: Very weak surface blow, built to 1/4"
ISI: No return
FF: No blow; pulled tool after 10"

Rec': 20' Mud (100% M)

SIP: 37# **FP:** 29-30#, 29# **HP:** 2020-2009#

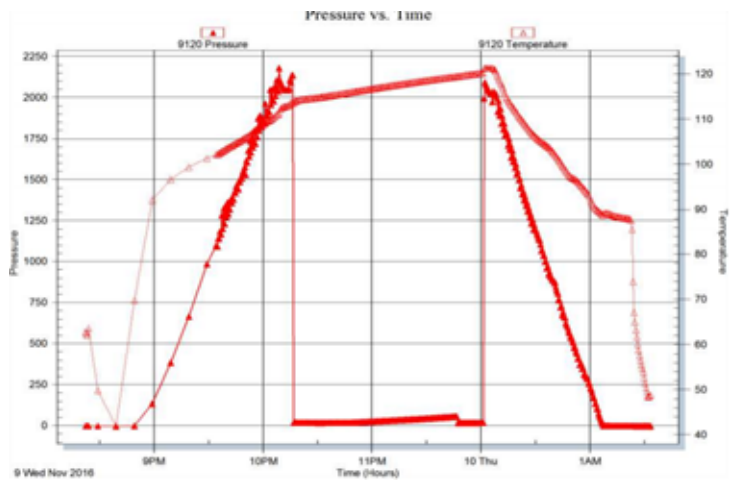


DST #3 Ft. Scott 4172'-4194'
30"-60"-17" pulled tool

IF: Very weak surface blow, built to 3/4"
ISI: No return
FF: No blow; pulled tool

Rec': 3' Mud (100% M)

SIP: 53# FP: 27-23#, 24# HP: 2139-2090#

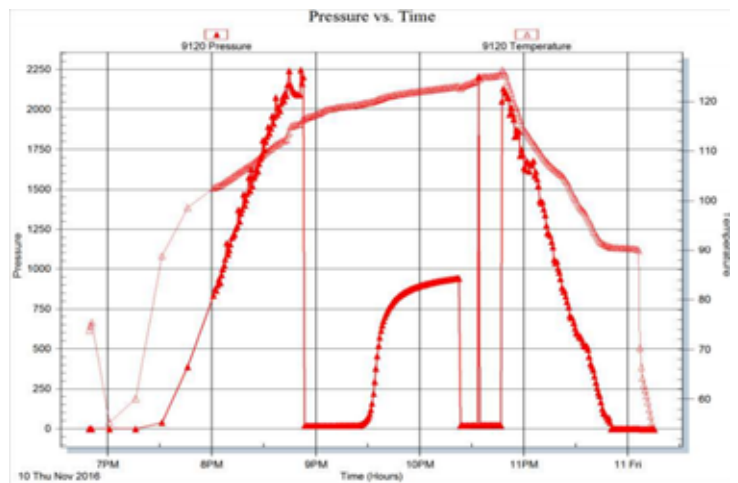


DST #4 Mississippian 4271'-4288'
30"-60"-15" pulled tool

IF: Very weak surface blow; built to 1"
ISI: No return
FF: No blow, flushed tool, no blow, pulled tool

Rec': 1' MCO (5% M, 95% O), 20' Mud (100% M)

SIP: 941# FP: 25-25#, 29# HP: 2204-2124#

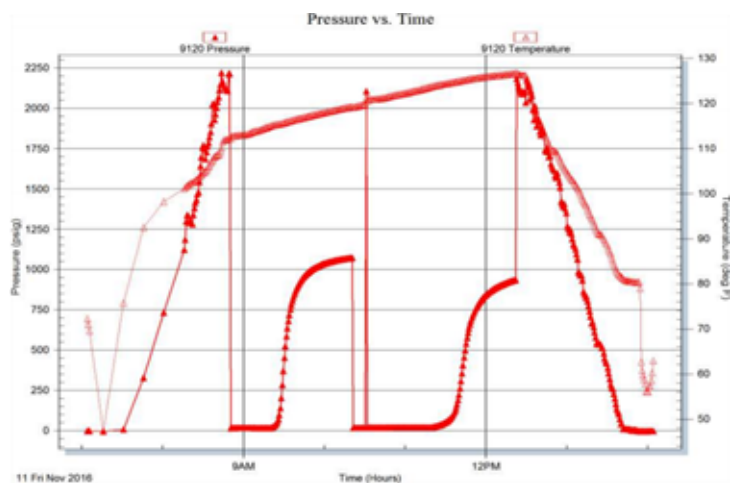


DST #5 Mississippian 4288'-4305'
30"-60"-60"-60"

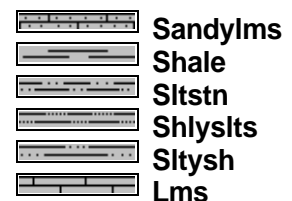
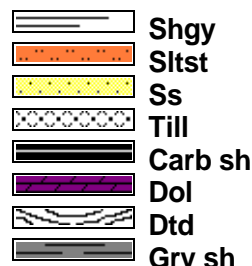
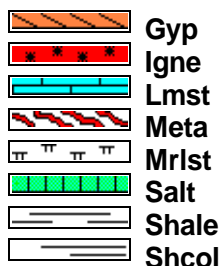
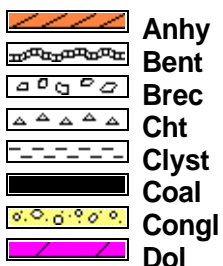
IF: Very weak surface blow; built to 1"
ISI: No return
FF: No blow; flushed tool, no blow
FSI: No return

Rec': 10' OCM (5% O, 95% M)

SIP: 1071-933# FP: 25-23#, 26-27# HP: 2223-2178#



ROCK TYPES



ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

FOSSIL

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

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

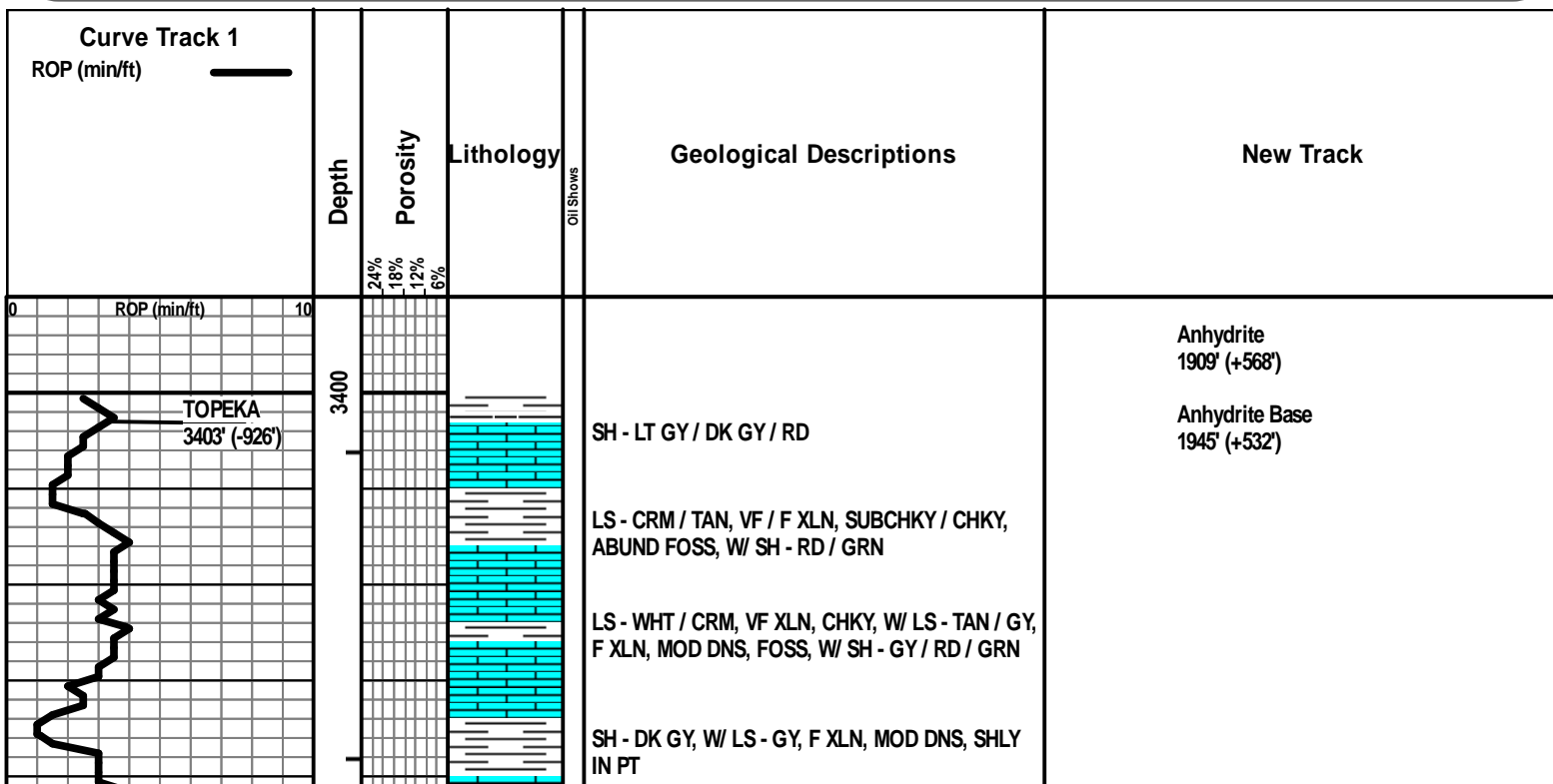
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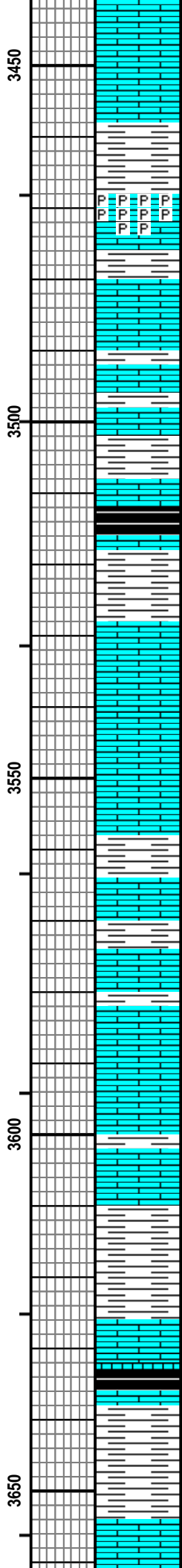
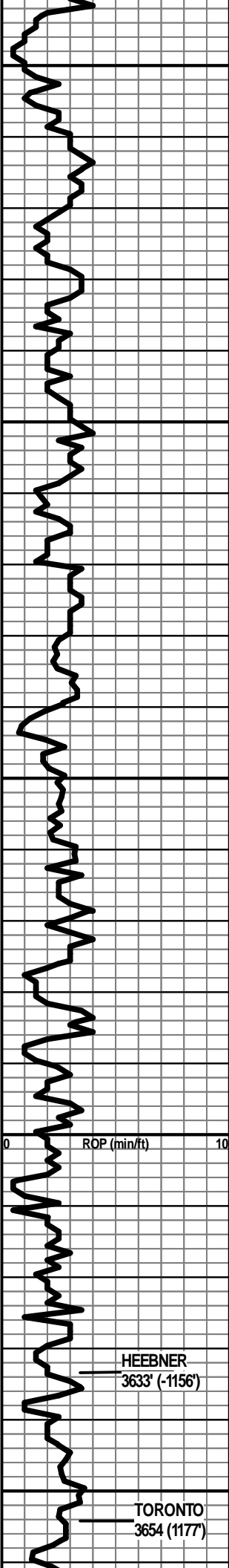
- Core
- Dst

- Dst

EVENTS

- Rft
- Sidewall
- Conn





LS - GY, F XLN, MOD DNS / DNS, ABUND FOSS

SH - LT GRN, V SOFT

SH - RD / GRN / GY, SOFT

PYRITE, GLD / GY, W/ LS- TAN, F XLN, DNS

SH - RD / GY, GRN IN PT

LS - TAN / LT BRN, VF / F XLN, MOD DNS, ABUND FOSS, W/ LS - GY, VF / F XLN, DNS, SHLY

LS - CRM / TAN, VF / F XLN, SUBCHKY / MOD DNS, ABUND FOSS, W/ SH - LT GY

SH - TURQ / GRN / GY

SH - DK GY / BLK, V SLI CARB

SH - LT GY / LT GRN IN PT, W/ LS - CRM / TAN, VF / F XLN, BRITTLE, ABUND FOSS

LS - LT BRN, VF / F XLN, MOD DNS / DNS, FOSS

LS - CRM / TAN, VF / F XLN, BRITTLE / MOD DNS, ABUND FOSS

LS - CRM / TAN, VF / F XLN, MOD DNS / DNS, FOSS IN PT, W/ SH - GRN / RD / GY, FOSS IN PT

LS - TAN, VF / F XLN, MOD DNS, ABUND FOSS, W/ SH - GY / GRN

LS - CRM / TAN, VF / F XLN, DNS, V CHTY, LT BRN, OPAQUE, DNS, FOSS IN PT

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS, CHKY IN PT

LS - CRM / TAN / LT BRN, VF / F XLN, MOD DNS, ABUND FOSS

SH - GY / GRN / RD, W/ LS - TAN / GY, F XLN, DNS, FOSS

LS - OFF WHT / CRM, VF / F XLN, MOD DNS / DNS, ABUND FOSS

SH - GRN / GY

SH - GRN / RD, W/ LS - TAN, F XLN, DNS, FOSS

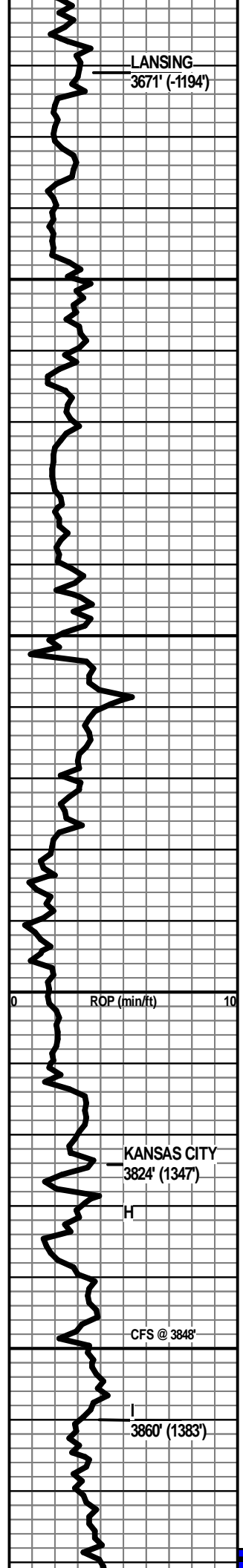
SH - BLK, CARB, W/ LS - CRM, VF XLN, SUBCHKY / CHKY, PYRITIC IN PT, W/ CHT - LT BRN, SLI TRANSLCNT, PRED OPAQUE, FOSS

SH - LT GY / DK GY

LS - TAN / LT BRN, F XLN, DNS, FOSS IN PT, W/ SH - GY / DK GRN

WT 8.9
VIS 62
LCM 1#

WT 9.0
VIS 65
LCM 1#



LS - PRED CRM / TAN IN PT, VF / F XLN, BRITTLE TO MOD DNS, FOSS
 SH - GRN / LT GY

LS - TAN / LT GY, F XLN, MOD DNS, FOSS, ABUND FOSS IN PT

LS - OFF-WHT / CRM, VF / F XLN, PRED MOD DNS, CHKY IN PT, FOSS IN PT

LS - TAN, F XLN, MOD DNS / DNS, FOSS, W/ SH - GY / GRN

LS - CRM / TAN, VF / F XLN, BRITTLE / MOD DNS, FOSS

LS - OFF WHT / CRM, VF / F XLN, PRED SUBCHKY / CHKY IN PT, STYLOLITIZED IN PT, FOSS, W/ SH - GRN / RD IN PT

SH - GRN / RD IN PT, W/ LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS

LS - CRM / TAN, F / M XLN, V DNS, FOSS, W/ LS - WHT, VF XLN, V CHKY

SH - GY / GRN, W/ LS - TAN / LT BRN, F XLN, DNS, FOSS

LS - CRM, VF / F XLN, MOD DNS / DNS, ABUND FOSS

SH - DK GRN / DK GY, W/ LS - CRM / TAN, F / M XLN, DNS, FOSS

LS - WHT / CRM, VF / F XLN, SUBCHKY / CHKY, FOSS IN PT

LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS, CHTY IN PT - ORNG / TAN, SLI TRANSLCNT, PRED OPAQUE

LS - CRM / TAN, F XLN, MOD / DNS, FOSS

LS - CRM / TAN, VF / F XLN, MOD DNS / DNS, ABUND FOSS

SH - DK GY / DK GRN / RD IN PT

SH - BLK, CARB

LS - TAN / GY, F XLN, P INTXLN POR, SSFO, LT BRN OIL, SLI ODOR,

LS - TAN, F XLN, V DNS, NO VIS POR, NS, NO ODOR, NO FLUOR

SH - LT GRN / GY / RD

LS - CRM, VF / F XLN, SUBCHKY / CHKY, NO VIS POR, NS

LS - CRM / TAN / LT GY, VF / F XLN, SUBCHKY / MOD DNS, NO VIS POR, NS

SH - RD / GRN / GY, W/ LS - TAN / LT BRN / LT GY, F XLN, DNS, NO POR, NS

LS - TAN / LT BRN, F XLN, DNS, NO VIS POR, NS.

WT 9.1
 VIS 59

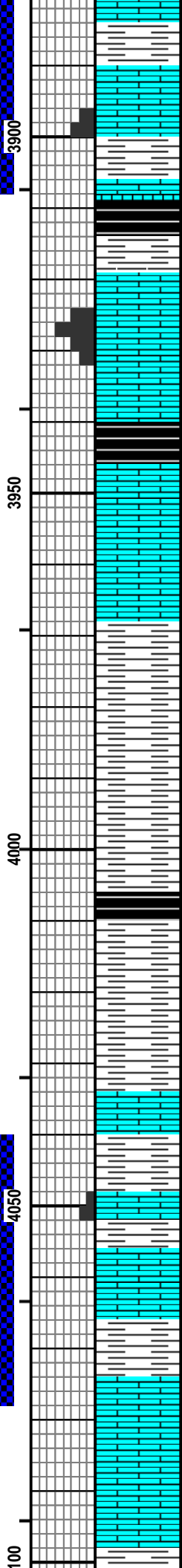
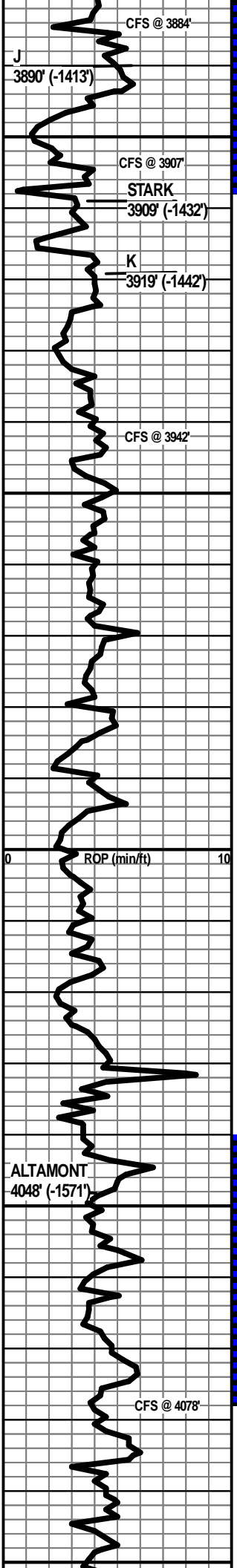
WT 9.1
 VIS 48
 LCM 2#

WT 9.3
 VIS 48
 LCM 3#

WT 9.3
 VIS 50
 LCM 3#

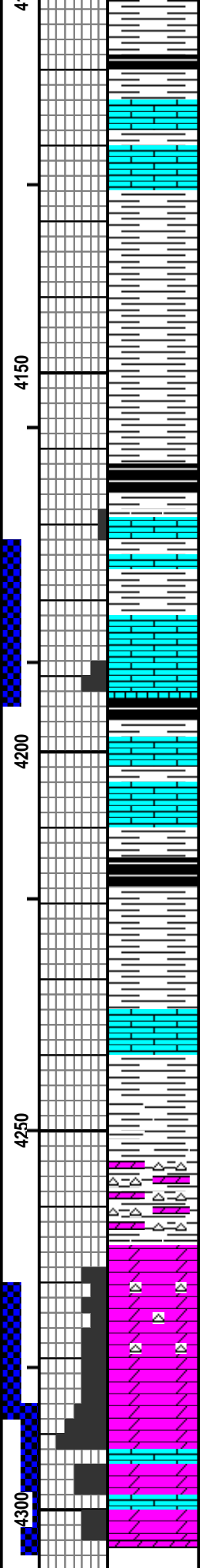
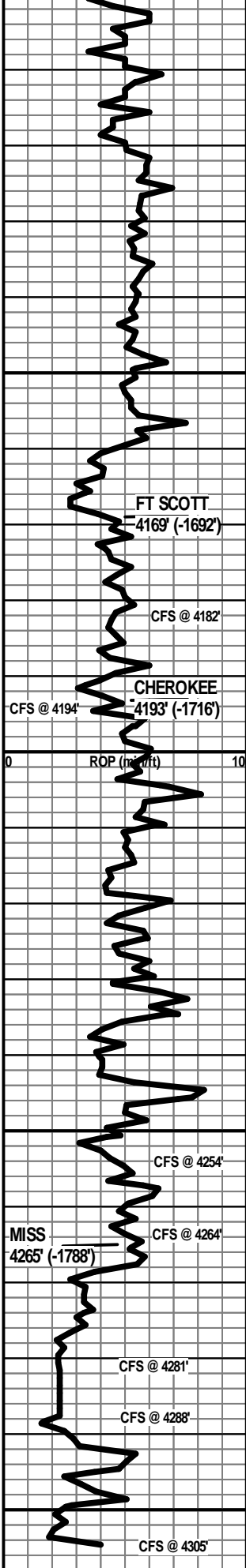
DST #1
 LKC 'J'
 3878'-3907'
 30"-60"-90"-90"

IF: Weak blow; built to 6"
 ISI: No return
 FF: Very weak blow; built to 2"



NO ODOR, W/ SH - MAR / RD / GRN / GY
 SH - DK GRN / GY
 LS - CRM, VF / F XLN, SUBCHKY / MOD DNS, FOSS, NO VIS POR, NS, NO ODOR
 LS - CRM, F XLN, F / G INTXLN + VUG POR, FSFO, LT BRN OIL, F ODOR, FS GAS BUBB, BRI YEL-GRN FLUOR, ABUND FOSS
 LS - CRM / TAN, F XLN, MOD DNS / DNS FOSS, NO POR, NS
 SH - BLK, CARB
 SH - GY
 LS - CRM / TAN, F XLN, F / G INTXLN + VUG POR, SSFO, LT BRN OIL, ABUND OIL SHEEN, ABUND FOSS, F ODOR, BRI YEL-GRN FLUOR
 SH - GY / GRN / RD, W/ LS - CRM, VF / F XLN, SUBCHKY / CHKY, FOSS IN PT, NO VIS POR, NS
 SH - BLK, CARB, W/ SH - GY
 LS - TAN / BRN, F XLN, DNS, NO VIS POR, NS
 LS - GY, F XLN, MOD DNS / DNS
 SH - GY, SLTY IN PT
 SH - RD / GRN / GY
 SH - PRED GRN / GY IN PT
 SH - GRN / GY
 SH - DK GY / BLK, CARB
 SH - MAR / GRN / GY
 SH - GRN / GY / RD IN PT
 LS - CRM / TAN, VF / F XLN, PRED DNS, MOD DNS IN PT, FEW FOSS IN PT, W/ SH - RD / MAR / GRN
 LS - CRM / TAN, VF / F XLN, P / F INTXLNT POR, VUG POR IN PT, SSFO, ABUND OIL SHEEN, SLI YEL-GRN FLUOR, F ODOR
 SH - GRN / RD / GY
 SH - RD / GRN
 LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY
 LS - CRM, VF / F XLN, SUBCHKY

FSI: No return
 Rec: 5' OWCM (30% O, 30% W, 40% M), 120' MW (40% M, 60% W)
 IH: 1909# WT 9.2
 IF: 28#-44# VIS 60
 ISI: 809# LCM 3#
 FF: 61#-78#
 FSI: 783#
 FH: 1881#
 WT 9.1
 VIS 48
 LCM 2#
 WT 9.2
 VIS 48
 LCM 1#
 WT 9.1
 VIS 47
 LCM 2#
 DST #2
 Altamont
 4040'-4078'
 30"-60"-10" pulled tool WT 9.3
 VIS 55
 IF: Very weak surface blow, built t LCM 2#
 ISI: No return
 FF: No blow; pulled tool after 10"
 Rec: 20' Mud (100% M)
 IH: 2020# WT 9.4
 IF: 29#-30# VIS 67
 ISI: 37# LCM 2#
 FF: 29#
 FH: 2009#
 WT 9.3
 VIS 71
 LCM 2#
 WT 9.4
 VIS 56
 LCM 2#



SH - LT GY / DK GY, V SLI CARB

SH - BLK, CARB, W/ SH - GY, V SLI CARB IN PT

LS - CRM / TAN, VF / F XLN, PRED DNS / SUBCHKY IN PT, W/ SH - GR / GRN / GY

SH - MAR / GRN / RD-ORNG

SH- GRN / GY, W/ LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY, STYLOLITIZED IN PT

SH - GRN / RD

SH - DK GY / BLK, CARB

LS - TAN / LT BRN, VF XLN, V DNS, V PINTXLN POR IN PT, SLI OIL STN IN PT, NSFO, SLI ODOR, SLI YEL-GRN FLUOR

SH - PRED GY / RD / GRN, W/ SHLY LS - DK BRN, V DNS, NS

SH - GY, SLTY IN PT

LS - CRM / TAN, VF / F XLN, P / F INTXLN POR, SSFO, ABUND OIL SHEEN, SHO OF GAS BUBB, F ODOR, BRI YEL-GRN FLUOR

SH - BLK, CARB

LS - TAN / GY, F XLN, MOD DNS / DNS, W/ SH - RD / GRN / GY

SH - DK GY / BLK, CARB, W/ LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY

SH - GY / GRN / MAR / RD / RD-ORNG

LS - CRM, VF / F XLN, MOD DNS / SUBCHKY, W/ SH - RD / GRN / GY

SH - MAR / GRN / GY

CHT - ORNG / TAN / LT GY IN PT, SLI TRANSLCNT, PRED DNS, VP WEATH POR IN PT, SLI OIL SAT, OIL SHEEN, NSFO, NO ODOR, NO FLUOR, W/ SH - RD / GRN / GY

SH - RD / GRN / YEL, GY, W/ DOLO - CRM, VF XLN, NO VIS POR, NS, W/ CHT - GY / YEL / TAN / ORNG, FRSH, SLI TRANSLCNT

DOLO - SLI CHTY - CRM / TAN / LT BRN, VF / F XLN, P / F INTXLN POR, VUG POR IN PT, FSFO, LT BRN OIL, SHO GAS BUBB, G ODOR, BRI YEL-GRN FLUOR

DOLO - CRM / TAN / LT BRN, VF / F XLN, P / F / G INTXLN POR, VUG POR IN PT, GSFO, LT BRN OIL, SHO GAS BUBB, G ODOR, BRI YEL-GRN FLUOR

LS - WHT / CRM, VF XLN, SUBCHKY / CHKY / V CHKY, W/ DOLO - CRM / TAN, F XLN, F INTXLN POR, GSFO, G ODOR, BRI YEL-GRN FLUOR

DOLO - CRM / TAN / LT BRN, SLI CHTY IN PT, P / F / G INTXLN POR, GSFO, LT BRN OIL, G ODOR, BRI YEL GRN FLUOR

WT 9.4
VIS 46
LCM 1.5#

DST #3
Ft. Scott
4172'-4194'
30"-60"-17" pulled tool

WT 9.3
VIS 53
LCM 3#

IF: Very weak surface blow, built to 3/4"
ISI: No return
FF: No blow; pulled tool

WT 9.2
VIS 60
LCM 3#

Rec: 3' Mud (100% M)

IH: 2139#
IF: 27#-23#
ISI: 53#
FF: 24#
FH: 2090#

WT 9.2
VIS 60
LCM 1#

DST #4
Mississippian
4271'-4288'
30"-60"-15" pulled tool

WT 9.3
VIS 71
LCM 3#

IF: Very weak surface blow; built to 1"
ISI: No return
FF: No blow, flushed tool, no blow, pulled tool

Rec: 1' MCO (5% M, 95% O), 20' Mud (100% M)

IH: 2204#
IF: 26#-25#
ISI: 941#
FF: 29#
FH: 2124#

WT 9.2
VIS 52
LCM 1#

LS - CRM, VF / F XLN, MOD DNS / SUBCHKY, W/ SH - RD / GRN / GY

SH - MAR / GRN / GY

CHT - ORNG / TAN / LT GY IN PT, SLI TRANSLCNT, PRED DNS, VP WEATH POR IN PT, SLI OIL SAT, OIL SHEEN, NSFO, NO ODOR, NO FLUOR, W/ SH - RD / GRN / GY

SH - RD / GRN / YEL, GY, W/ DOLO - CRM, VF XLN, NO VIS POR, NS, W/ CHT - GY / YEL / TAN / ORNG, FRSH, SLI TRANSLCNT

DOLO - SLI CHTY - CRM / TAN / LT BRN, VF / F XLN, P / F INTXLN POR, VUG POR IN PT, FSFO, LT BRN OIL, SHO GAS BUBB, G ODOR, BRI YEL-GRN FLUOR

DOLO - CRM / TAN / LT BRN, VF / F XLN, P / F / G INTXLN POR, VUG POR IN PT, GSFO, LT BRN OIL, SHO GAS BUBB, G ODOR, BRI YEL-GRN FLUOR

LS - WHT / CRM, VF XLN, SUBCHKY / CHKY / V CHKY, W/ DOLO - CRM / TAN, F XLN, F INTXLN POR, GSFO, G ODOR, BRI YEL-GRN FLUOR

DOLO - CRM / TAN / LT BRN, SLI CHTY IN PT, P / F / G INTXLN POR, GSFO, LT BRN OIL, G ODOR, BRI YEL GRN FLUOR

WT 9.3
VIS 65
LCM 2#

DST #5
Mississippian
4288'-4305'
30"-60"-60"-60"

WT 9.3
VIS 60
LCM 2#

IF: Very weak surface blow; built to 1"
ISI: No return
FF: No blow; flushed tool, no blow
FSI: No return

Rec: 10' OCM (5% O, 95% M)

IH: 2223#
IF: 25#-23#
ISI: 1071#
FF: 26#-27#
FSI: 933#
FH: 2178#

RTD 4305'



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W

100 S Main STE 505
Wichita Ks, 67202+3738

Albin 'I' #3

Job Ticket: 63493

DST#: 1

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.07 @ 15:03:00

GENERAL INFORMATION:

Formation: **LKC 'J'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:03:00

Time Test Ended: 23:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J. Staab

Unit No: 84

Interval: 3878.00 ft (KB) To 3907.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 3907.00 ft (KB) (TVD)

2473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 4.00 ft

Serial #: 8353

Inside

Press@RunDepth: 78.09 psig @ 3879.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.07

End Date:

2016.11.07

Last Calib.:

2016.11.07

Start Time: 15:03:15

End Time:

23:31:00

Time On Btm:

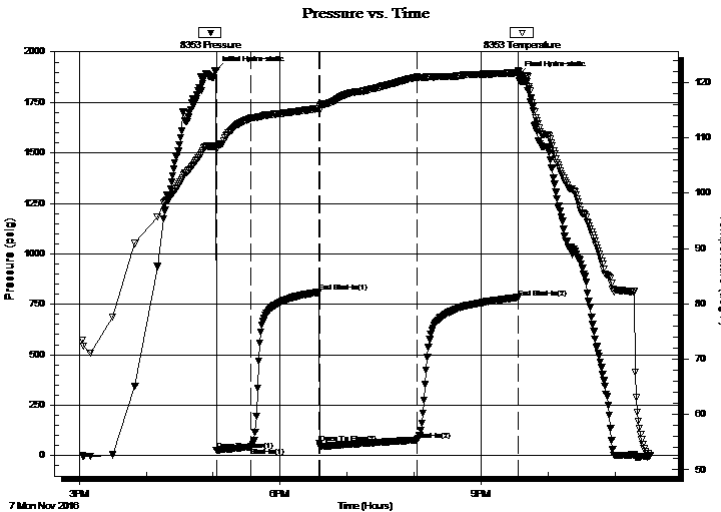
2016.11.07 @ 17:02:45

Time Off Btm:

2016.11.07 @ 21:33:15

TEST COMMENT: 30-IF-Weak Blow ; Built to 6 inches
60-ISI-No Blow
90-FF-Very Weak Blow ; Built to 2 inches
90-FSI-No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1908.83	108.52	Initial Hydro-static
1	28.23	107.88	Open To Flow (1)
32	43.81	113.57	Shut-In(1)
93	809.42	115.28	End Shut-In(1)
93	60.65	114.93	Open To Flow (2)
180	78.09	120.94	Shut-In(2)
270	782.98	121.74	End Shut-In(2)
271	1881.39	122.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OWCM 30% O 30% W 40% M	0.07
120.00	MW 40% M 60% W	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co. Inc.

28-14S-27W

100 S Main STE 505
Wichita Ks, 67202+3738

Albin 'I' #3

Job Ticket: 63493

DST#: 1

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.07 @ 15:03:00

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:

8400 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OWCM 30% O 30% W 40% M	0.070
120.00	MW 40% M 60% W	1.683

Total Length: 125.00 ft

Total Volume: 1.753 bbl

Num Fluid Samples: 0

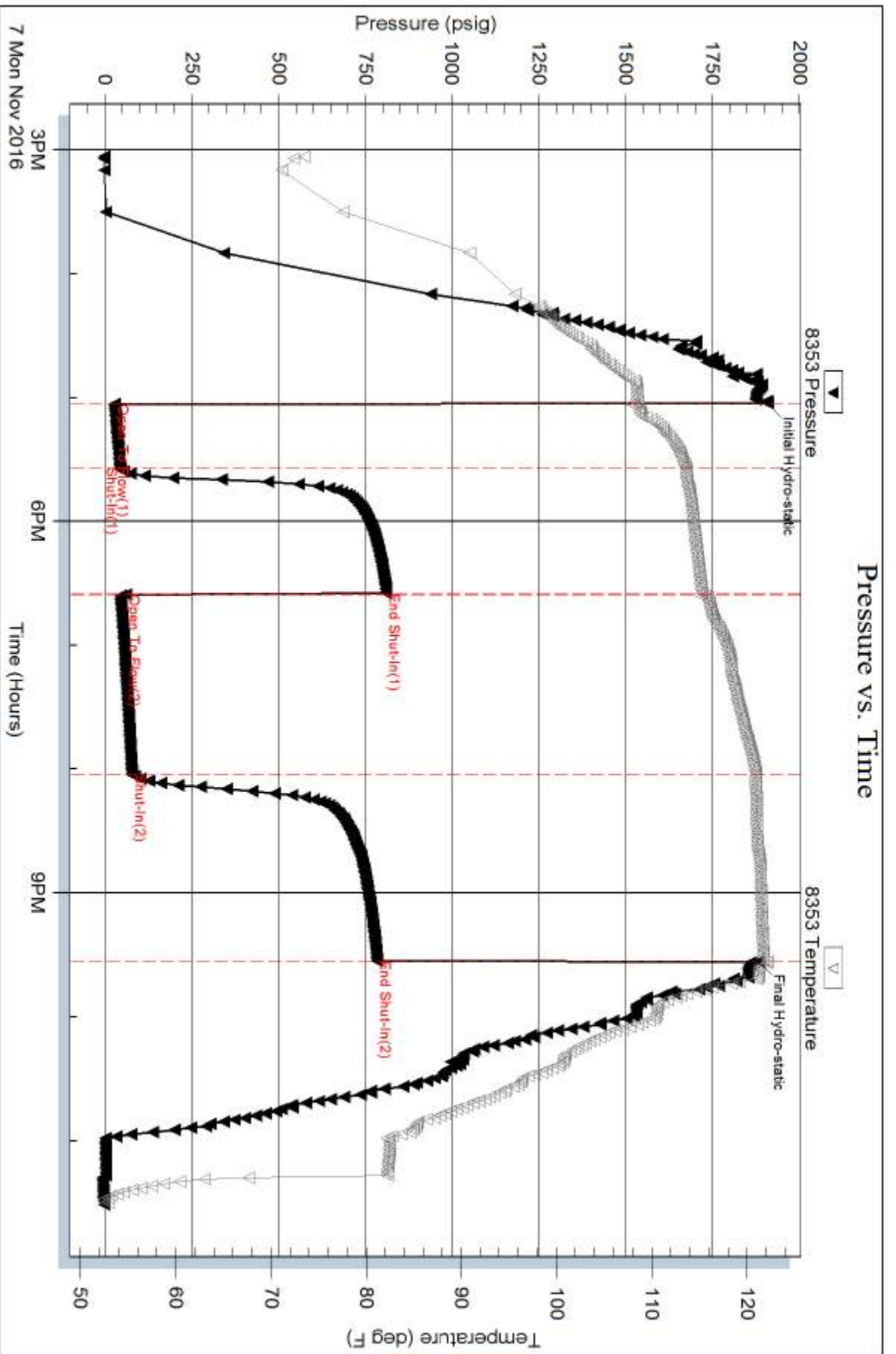
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

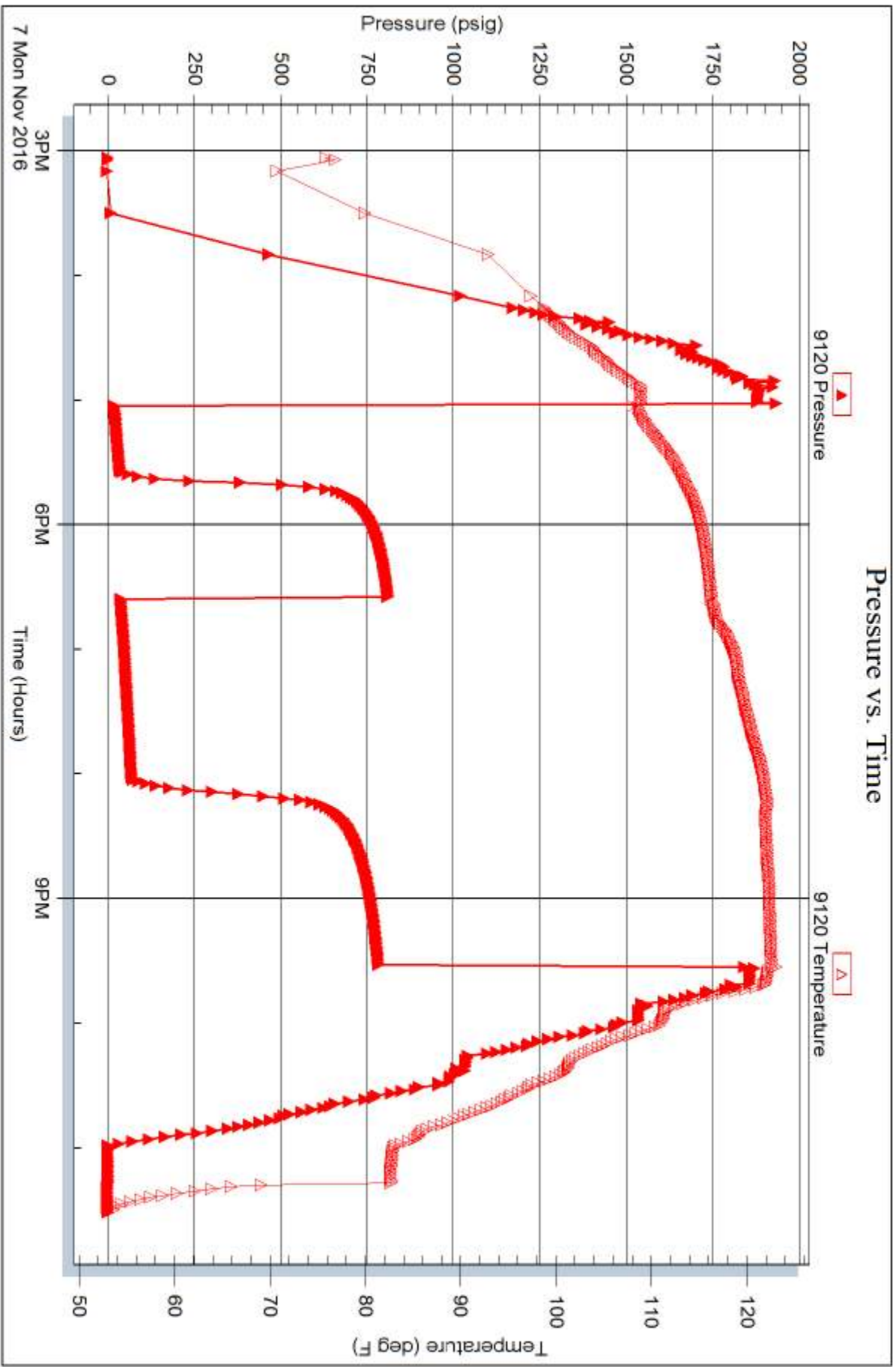


Serial #: 9120

Outside Pickett Drilling Co. Inc.

Albin T#3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63493

Printed: 2016.11.08 @ 07:16:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W

100 S Main STE 505
Wichita Ks, 67202+3738

Albin 'I' #3

Job Ticket: 63494

DST#: 2

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.08 @ 21:26:00

GENERAL INFORMATION:

Formation: **Alamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:26:15

Time Test Ended: 02:53:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4040.00 ft (KB) To 4078.00 ft (KB) (TVD)

Total Depth: 4078.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2477.00 ft (KB)

2473.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8353

Press @ RunDepth: 29.50 psig @ ft (KB)

Start Date: 2016.11.08

End Date:

2016.11.09

Start Time: 21:26:15

End Time:

02:53:00

Capacity: 8000.00 psig

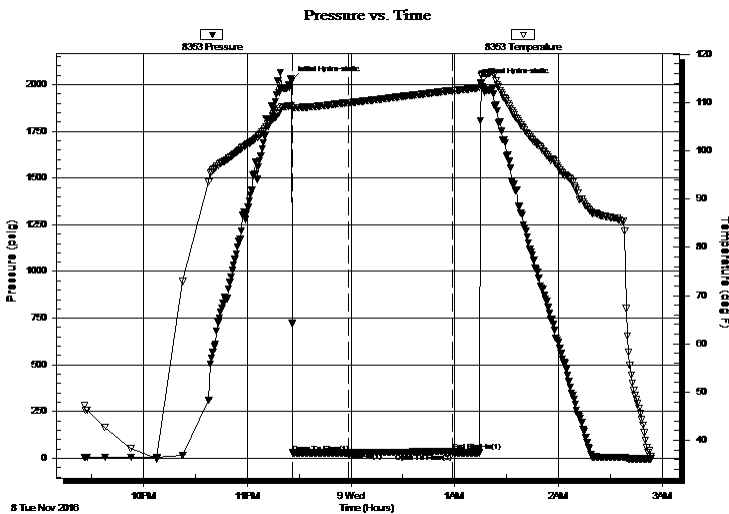
Last Calib.: 2016.11.09

Time On Btm: 2016.11.08 @ 23:25:45

Time Off Btm: 2016.11.09 @ 01:15:15

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 1/4 inch
60-ISI- No Blow Back
30-FF-No Blow ; pulled tool after 10 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.12	109.36	Initial Hydro-static
1	28.77	108.96	Open To Flow (1)
33	29.50	109.96	Shut-In(1)
93	36.95	112.49	End Shut-In(1)
93	28.67	112.49	Open To Flow (2)
110	2009.39	115.60	Final Hydro-static

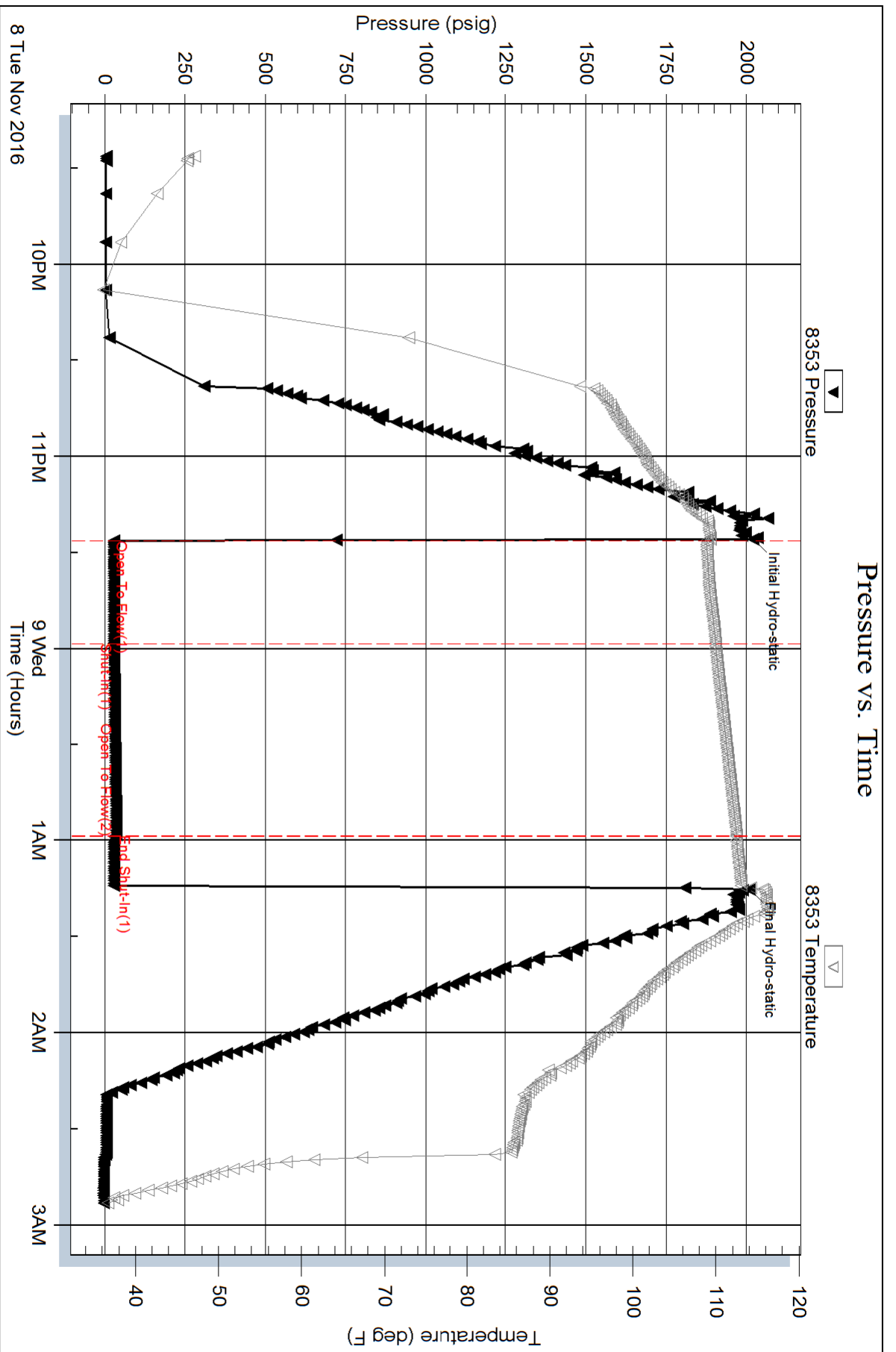
Recovery

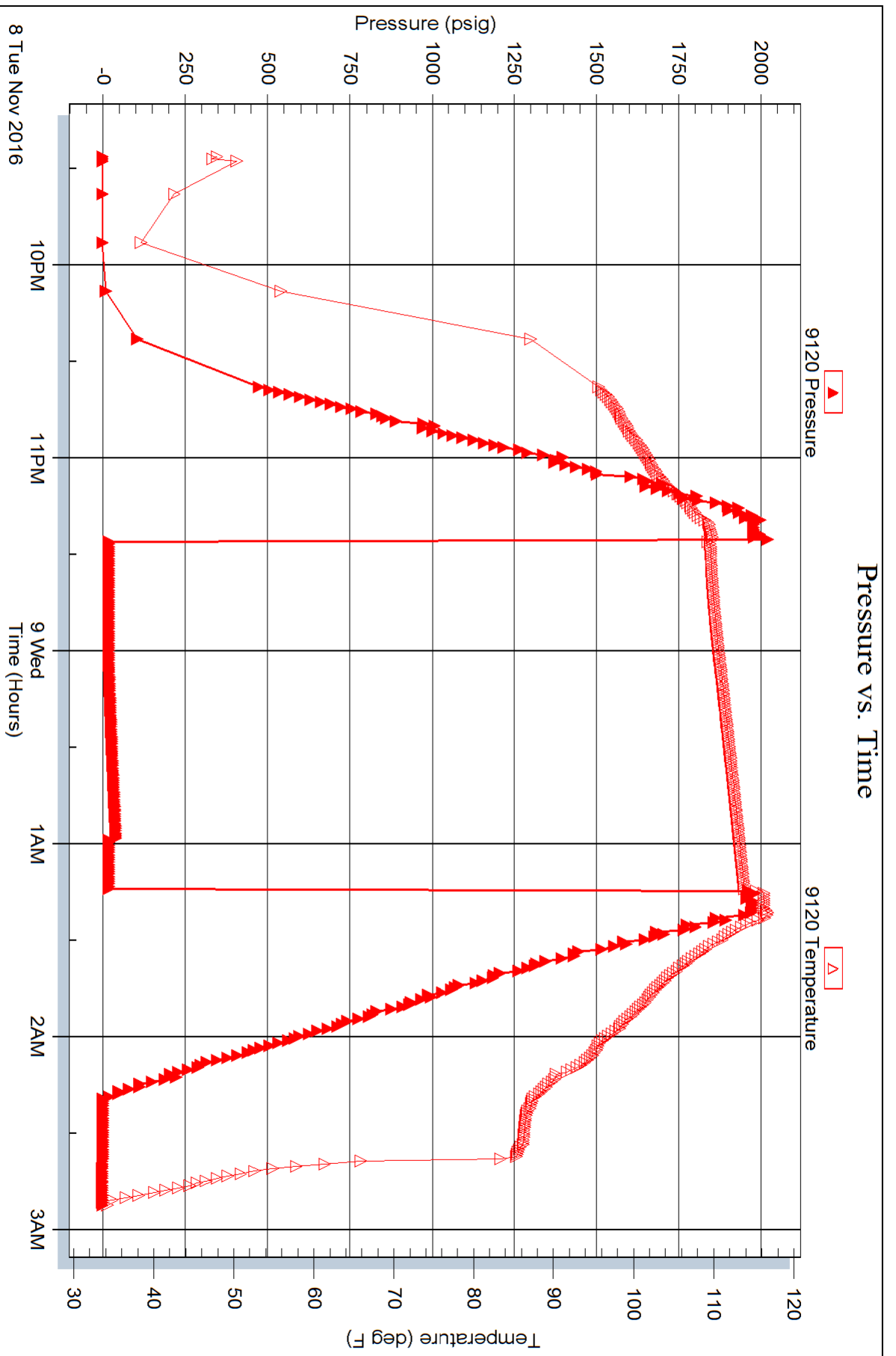
Length (ft)	Description	Volume (bbl)
20.00	Mud 100% M	0.28

* Recovery from multiple tests

Gas Rates

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







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W

100 S Main STE 505
Wichita Ks, 67202+3738

Albin 'I' #3

Job Ticket: 63495

DST#: 3

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.09 @ 20:22:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:45

Time Test Ended: 01:33:08

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4172.00 ft (KB) To 4194.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 4194.00 ft (KB) (TVD)

2473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 4.00 ft

Serial #: 8353

Inside

Press@RunDepth: 23.28 psig @ 4173.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.09

End Date:

2016.11.10

Last Calib.:

2016.11.10

Start Time: 20:22:15

End Time:

01:33:08

Time On Btm:

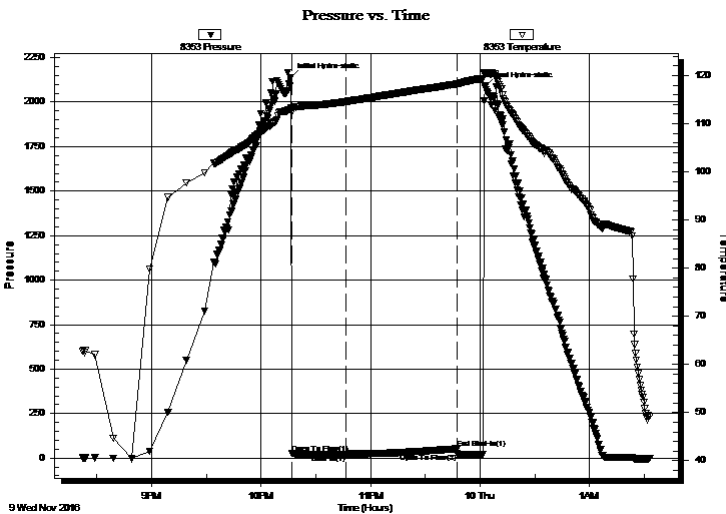
2016.11.09 @ 22:16:30

Time Off Btm:

2016.11.10 @ 00:02:30

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 3/4 inch
60-ISI-No Blow Back
17-FF-No Blow ; pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.78	113.29	Initial Hydro-static
1	27.08	112.43	Open To Flow (1)
31	23.28	114.62	Shut-In(1)
91	52.50	118.23	End Shut-In(1)
91	24.09	118.24	Open To Flow (2)
106	2089.77	120.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.04

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.
 100 S Main STE 505
 Wichita Ks, 67202+3738
 ATTN: Aaron Young/ Larry R

28-14S-27W

Albin 'I' #3

Job Ticket: 63495

DST#: 3

Test Start: 2016.11.09 @ 20:22:00

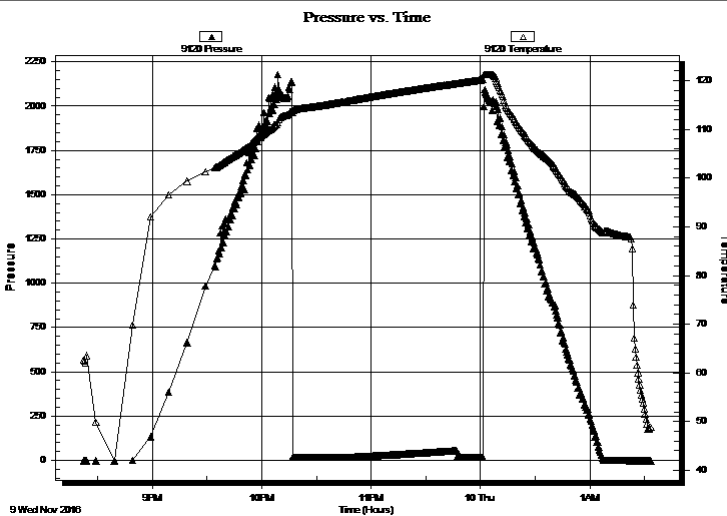
GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:16:45 Tester: Spencer J. Staab
 Time Test Ended: 01:33:08 Unit No: 84
 Interval: **4172.00 ft (KB) To 4194.00 ft (KB) (TVD)** Reference Elevations: 2477.00 ft (KB)
 Total Depth: 4194.00 ft (KB) (TVD) 2473.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 4.00 ft

Serial #: 9120 Outside

Press@RunDepth: psig @ 4173.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.09 End Date: 2016.11.10 Last Calib.: 2016.11.10
 Start Time: 20:22:15 End Time: 01:33:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 3/4 inch
 60-ISI-No Blow Back
 17-FF-No Blow ; pulled tool



PRESSURE SUMMARY

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

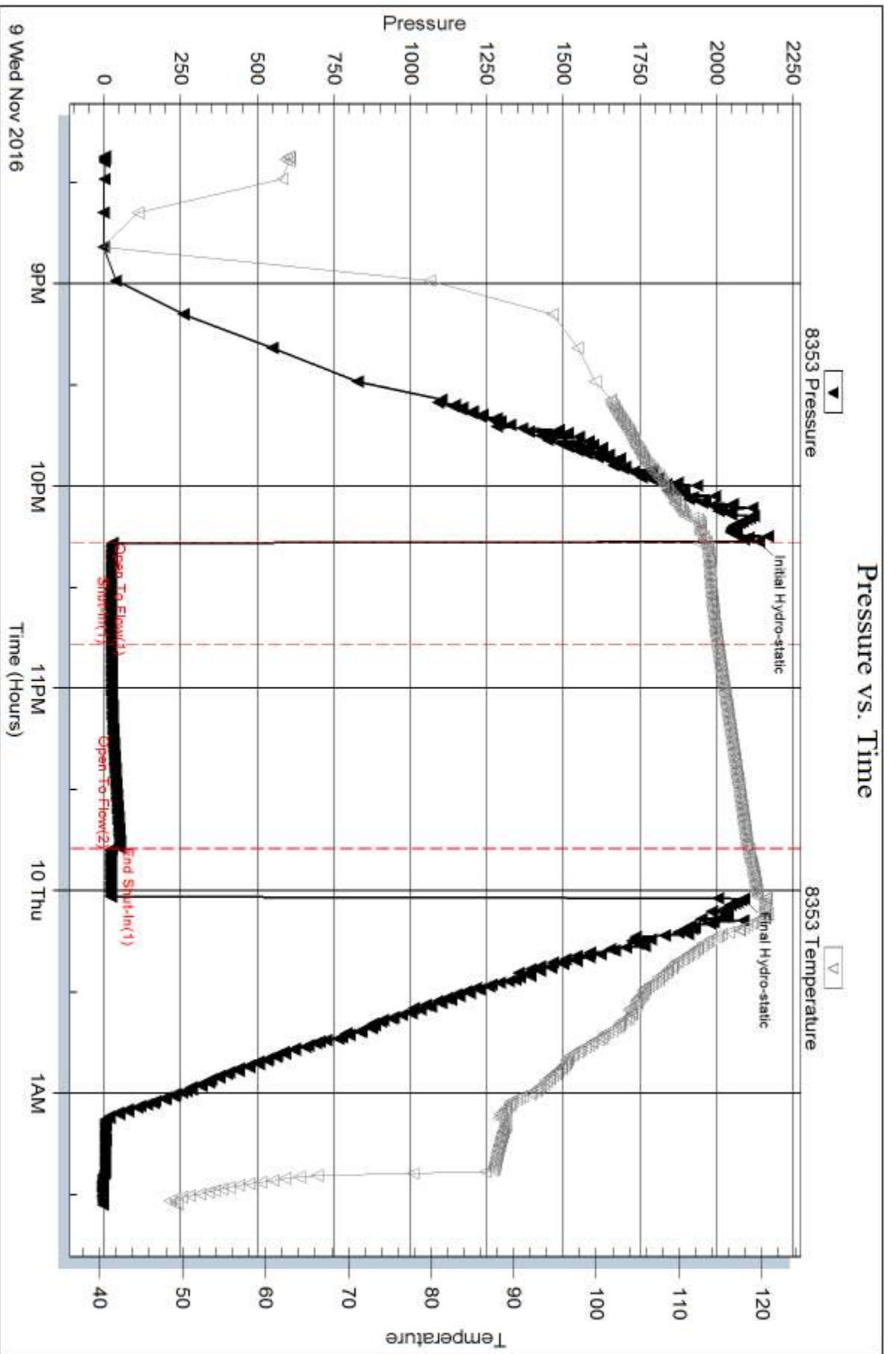
Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100% M	0.04

Gas Rates

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

* Recovery from multiple tests

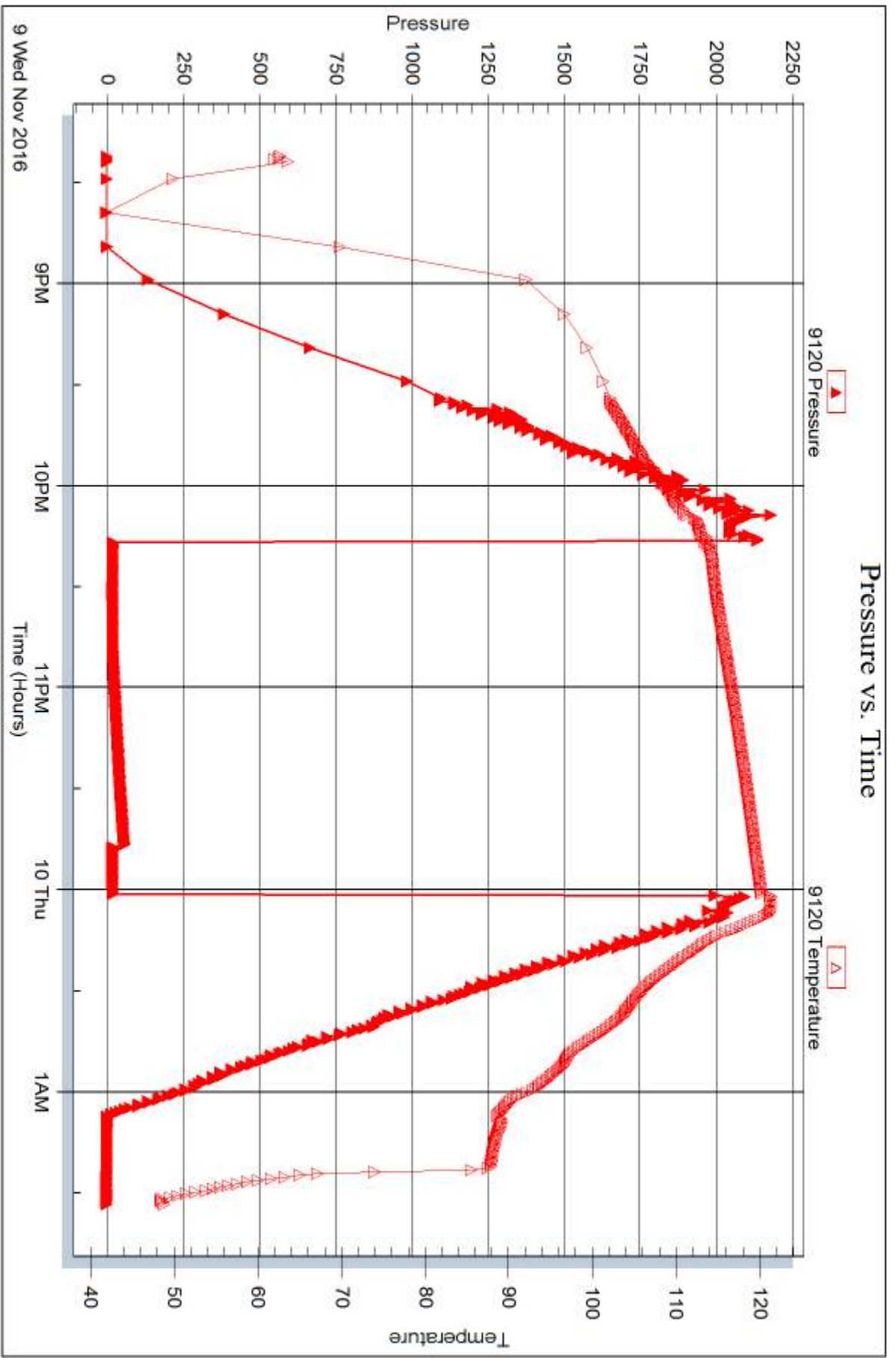


Serial #: 9120

Outside Pickett Drilling Co. Inc.

Albin T#3

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 63495

Printed: 2016.11.10 @ 06:01:48



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co. Inc.**

100 S Main STE 505
Wichita KS 67202+3738

ATTN: Aaron Young/ Larry R

Albin 'I' #3

28-14S-27W Gove,KS

Start Date: 2016.11.10 @ 18:52:00

End Date: 2016.11.11 @ 00:15:15

Job Ticket #: 63496 DST #: 4

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

Printed: 2016.11.14 @ 09:08:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63496

DST#: 4

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.10 @ 18:52:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:53:15

Time Test Ended: 00:15:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4271.00 ft (KB) To 4288.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 4288.00 ft (KB) (TVD)

2473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8353

Inside

Press@RunDepth: 25.28 psig @ 4272.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.10

End Date:

2016.11.11

Last Calib.:

2016.11.11

Start Time:

18:52:15

End Time:

00:15:15

Time On Btm:

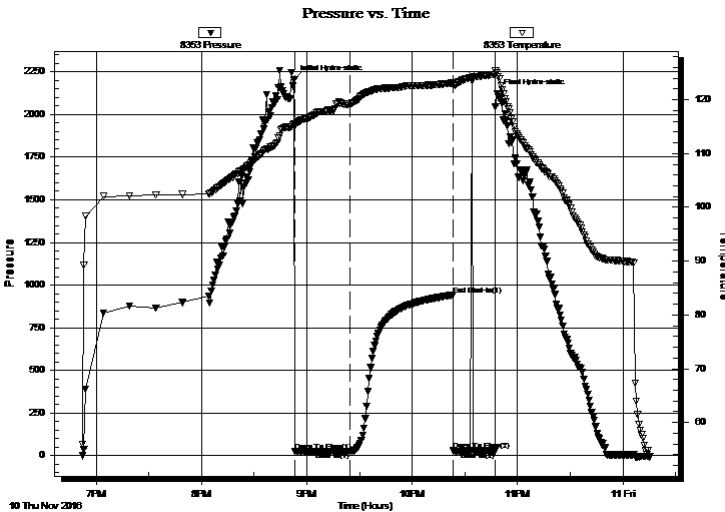
2016.11.10 @ 20:52:45

Time Off Btm:

2016.11.10 @ 22:48:15

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 1"
60-ISI-No Blow Back
15-FF-No Blow ; Flushed tool; Still no Blow ; pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.61	115.53	Initial Hydro-static
1	26.49	115.20	Open To Flow (1)
32	25.28	119.20	Shut-In(1)
91	941.44	123.10	End Shut-In(1)
91	29.06	122.78	Open To Flow (2)
115	27.51	124.70	Shut-In(2)
116	2123.95	125.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	MCO 5% M 95% O	0.01
20.00	Mud 100% M	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63496

DST#: 4

ATTN: Aaron Young/ Larry R

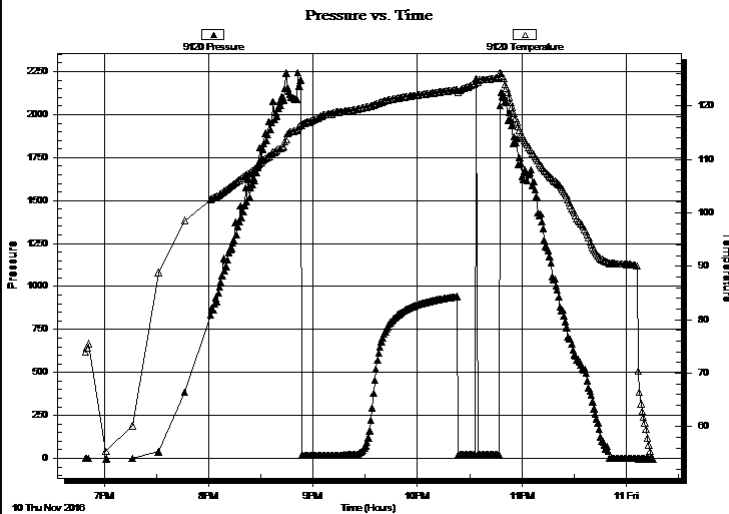
Test Start: 2016.11.10 @ 18:52:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 20:53:15 Tester: Spencer J. Staab
 Time Test Ended: 00:15:15 Unit No: 84
 Interval: **4271.00 ft (KB) To 4288.00 ft (KB) (TVD)** Reference Elevations: 2477.00 ft (KB)
 Total Depth: 4288.00 ft (KB) (TVD) 2473.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 4.00 ft

Serial #: 9120 Outside
 Press@RunDepth: psig @ 4272.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.10 End Date: 2016.11.11 Last Calib.: 2016.11.11
 Start Time: 18:49:15 End Time: 00:15:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 1"
 60-ISI-No Blow Back
 15-FF-No Blow ; Flushed tool; Still no Blow ; pulled tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	MCO 5% M 95% O	0.01
20.00	Mud 100% M	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63496

DST#: 4

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.10 @ 18:52:00

Tool Information

Drill Pipe:	Length: 4252.00 ft	Diameter: 3.80 inches	Volume: 59.64 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 59.64 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4271.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4244.00	
Shut In Tool	5.00			4249.00	
Hydraulic tool	5.00			4254.00	
Jars	5.00			4259.00	
Safety Joint	3.00			4262.00	
Packer	5.00			4267.00	28.00 Bottom Of Top Packer
Packer	4.00			4271.00	
Stubb	1.00			4272.00	
Recorder	0.00	9120	Outside	4272.00	
Recorder	0.00	8353	Inside	4272.00	
Perforations	12.00			4284.00	
Bullnose	4.00			4288.00	17.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63496

DST#: 4

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.10 @ 18:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	MCO 5% M 95% O	0.014
20.00	Mud 100% M	0.281

Total Length: 21.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

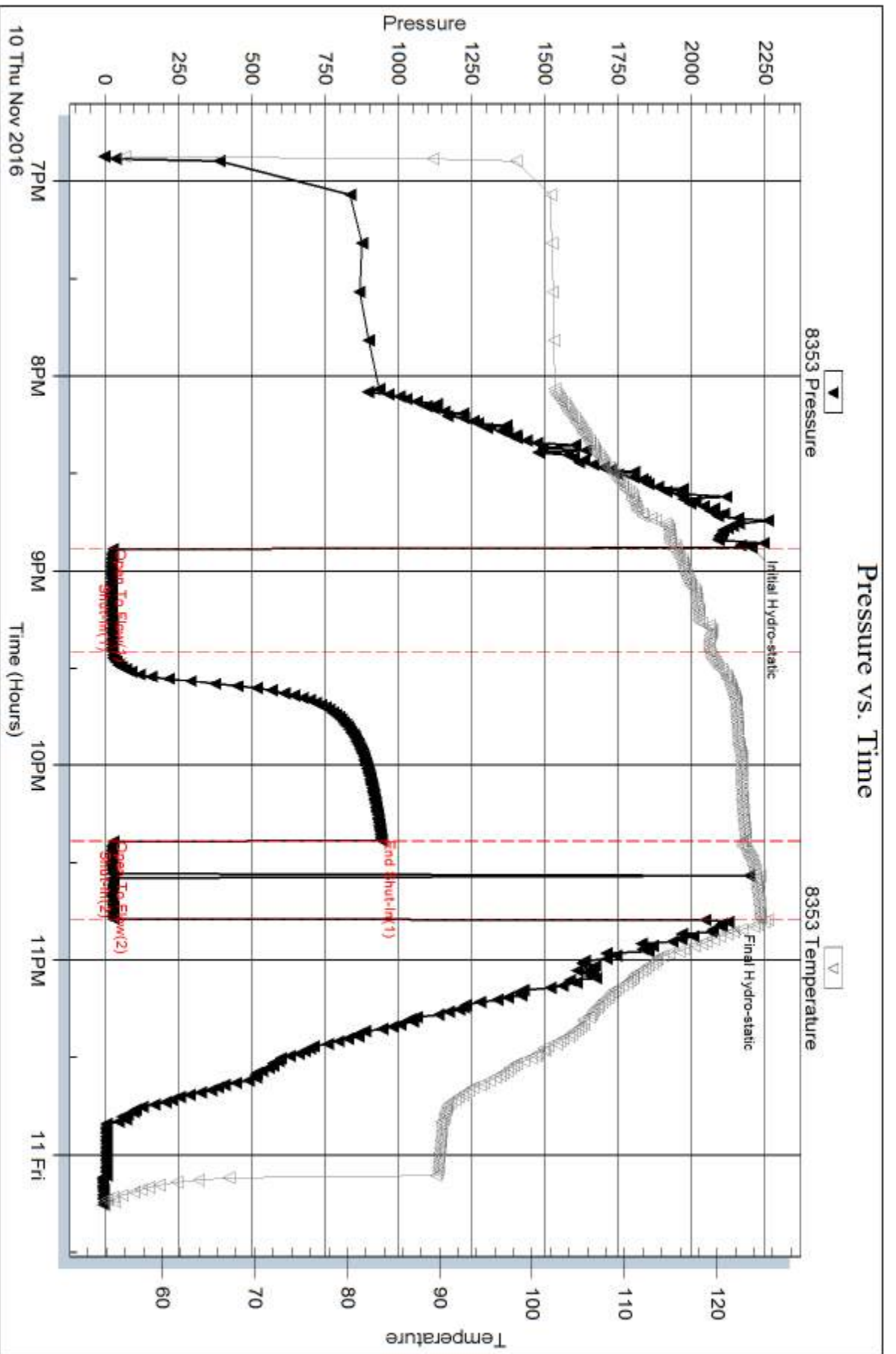
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

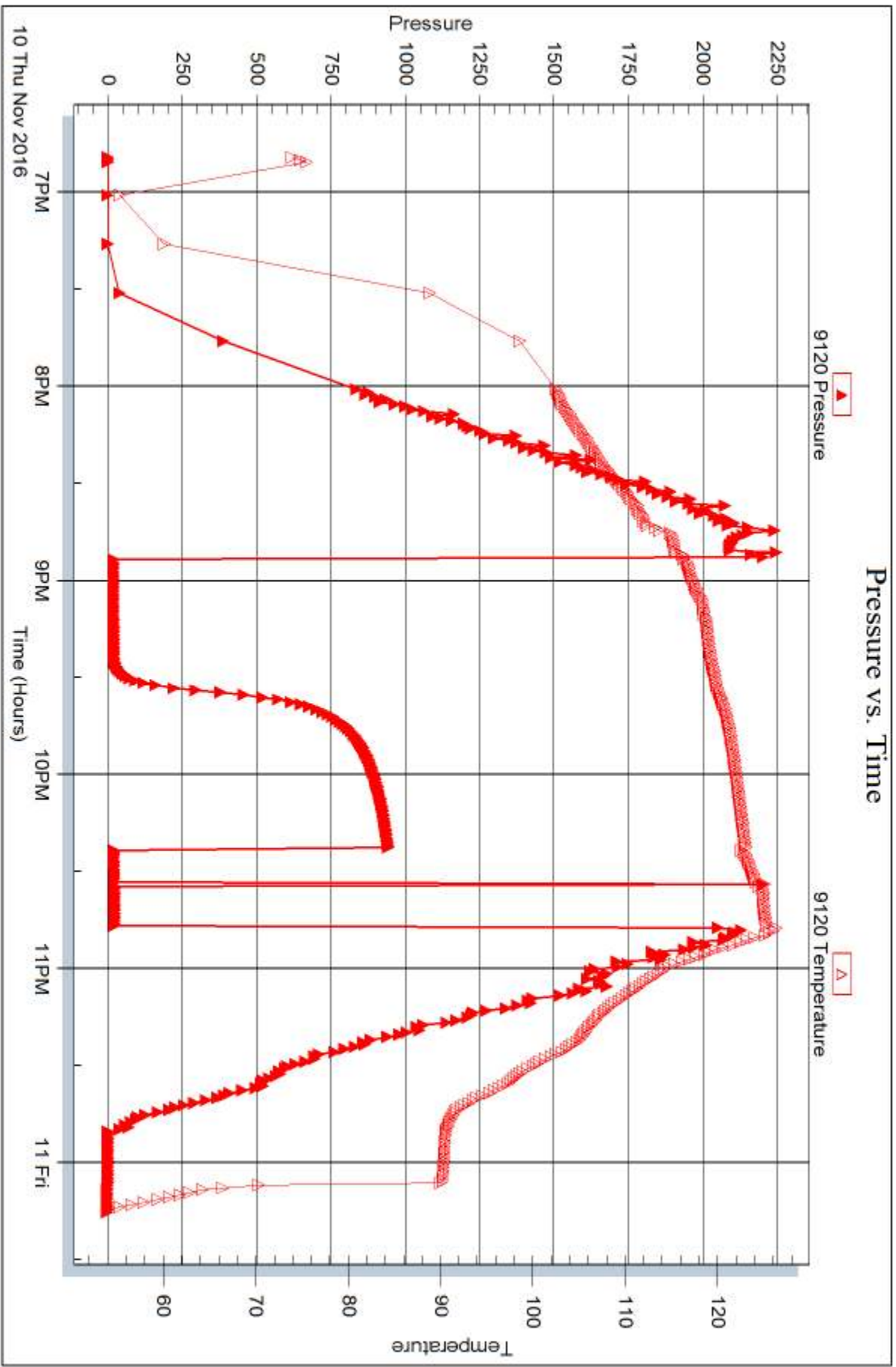


Serial #: 9120

Outside Pickett Drilling Co. Inc.

Albin T#3

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co. Inc.**

100 S Main STE 505
Wichita KS 67202+3738

ATTN: Aaron Young/ Larry R

Albin 'I' #3

28-14S-27W Gove,KS

Start Date: 2016.11.11 @ 07:04:00

End Date: 2016.11.11 @ 14:04:15

Job Ticket #: 63497 DST #: 5

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

Printed: 2016.11.14 @ 09:06:44



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63497

DST#: 5

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.11 @ 07:04:00

GENERAL INFORMATION:

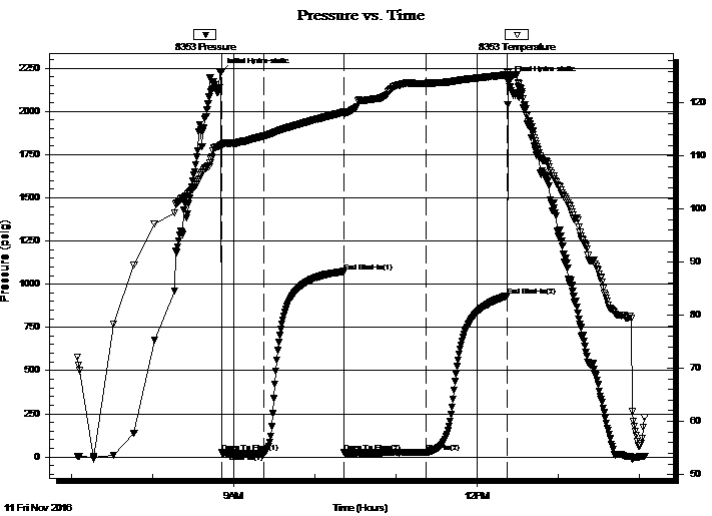
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:50:45
 Tester: Spencer J. Staab
 Time Test Ended: 14:04:15
 Unit No: 84
 Interval: **4288.00 ft (KB) To 4305.00 ft (KB) (TVD)**
 Reference Elevations: 2477.00 ft (KB)
 Total Depth: 4305.00 ft (KB) (TVD)
 2473.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 4.00 ft

Serial #: 8353

Inside

Press@RunDepth: 26.60 psig @ 4289.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.11 End Date: 2016.11.11 Last Calib.: 2016.11.11
 Start Time: 07:04:15 End Time: 14:04:15 Time On Btm: 2016.11.11 @ 08:50:30
 Time Off Btm: 2016.11.11 @ 12:23:00

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 1"
 60-ISI-No Blow Back
 60-FF-No Blow ; Flushed tool; still no Blow
 60-FSI-No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.12	112.17	Initial Hydro-static
1	24.72	111.78	Open To Flow (1)
32	22.74	113.76	Shut-In(1)
91	1070.56	118.24	End Shut-In(1)
91	25.78	117.95	Open To Flow (2)
152	26.60	123.66	Shut-In(2)
212	933.13	125.31	End Shut-In(2)
213	2177.94	125.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 5% O 95% M	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63497

DST#: 5

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.11 @ 07:04:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:50:45

Time Test Ended: 14:04:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4288.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 9120 Outside

Press@RunDepth: psig @ 4289.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.11

End Date:

2016.11.11

Last Calib.:

2016.11.11

Start Time: 07:04:15

End Time:

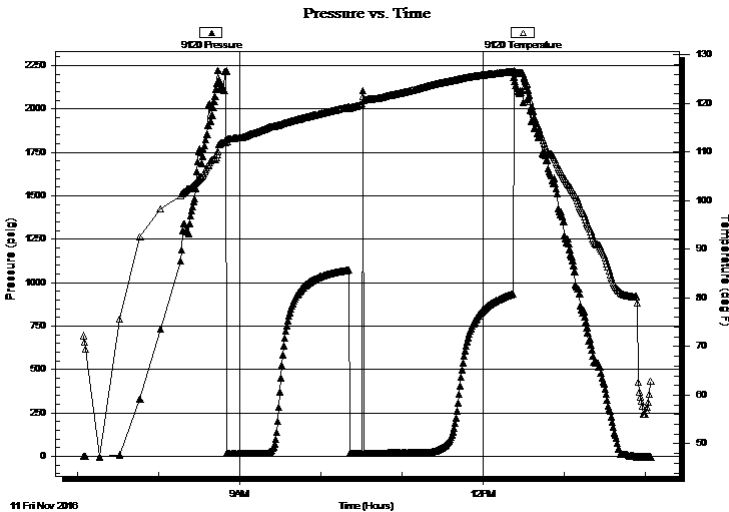
14:04:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 1"
60-ISI-No Blow Back
60-FF-No Blow ; Flushed tool; still no Blow
60-FSI-No Blow

PRESSURE SUMMARY



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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
10.00	OCM 5% O 95% M	0.14

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63497

DST#: 5

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.11 @ 07:04:00

Tool Information

Drill Pipe:	Length: 4283.00 ft	Diameter: 3.80 inches	Volume: 60.08 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4288.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4261.00	
Shut In Tool	5.00			4266.00	
Hydraulic tool	5.00			4271.00	
Jars	5.00			4276.00	
Safety Joint	3.00			4279.00	
Packer	5.00			4284.00	28.00 Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	9120	Outside	4289.00	
Recorder	0.00	8353	Inside	4289.00	
Perforations	24.00			4313.00	
Bullnose	4.00			4317.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co. Inc.

28-14S-27W Gove,KS

100 S Main STE 505
Wichita KS 67202+3738

Albin 'I' #3

Job Ticket: 63497

DST#: 5

ATTN: Aaron Young/ Larry R

Test Start: 2016.11.11 @ 07:04:00

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: ppm

Viscosity: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 5% O 95% M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

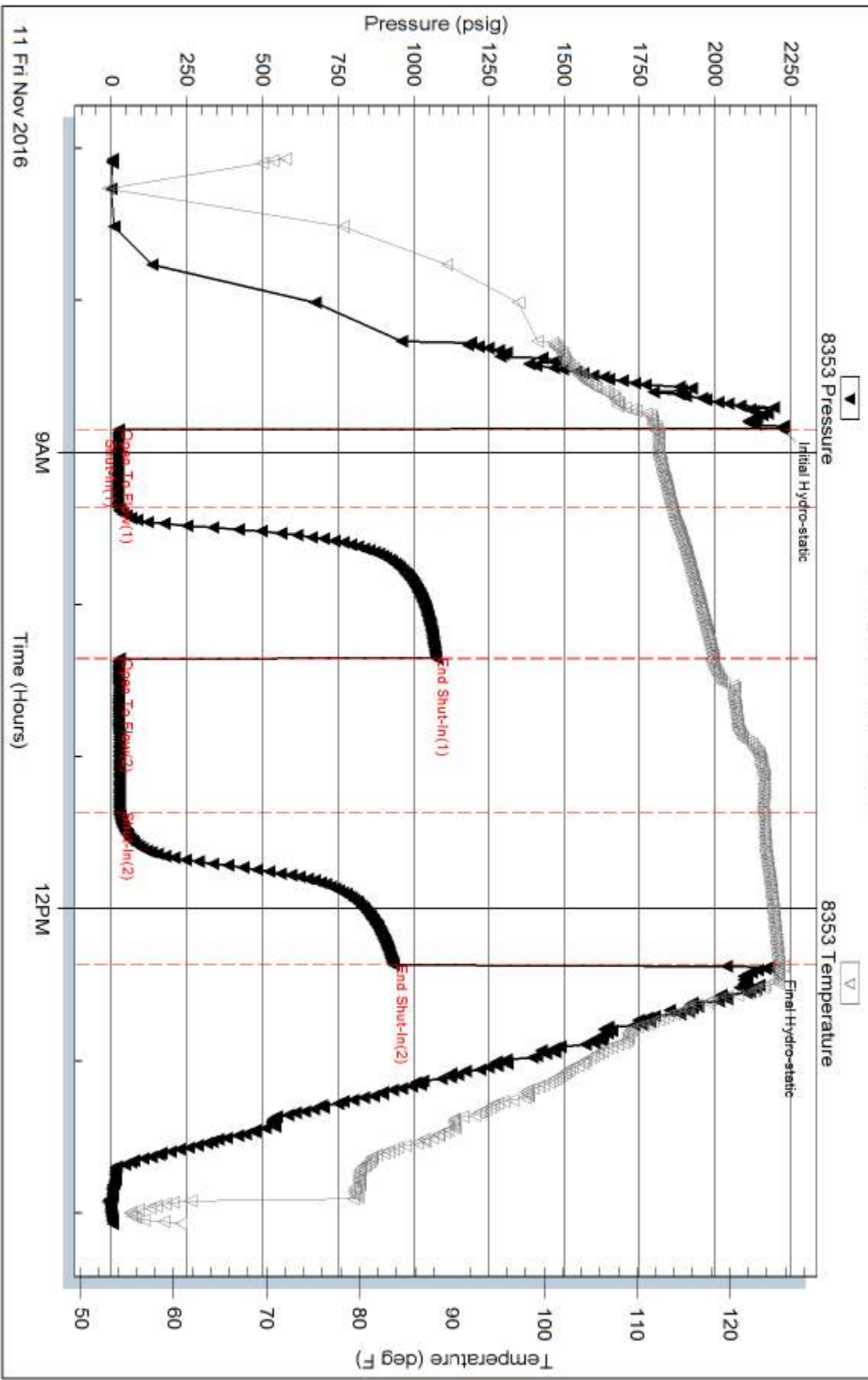
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

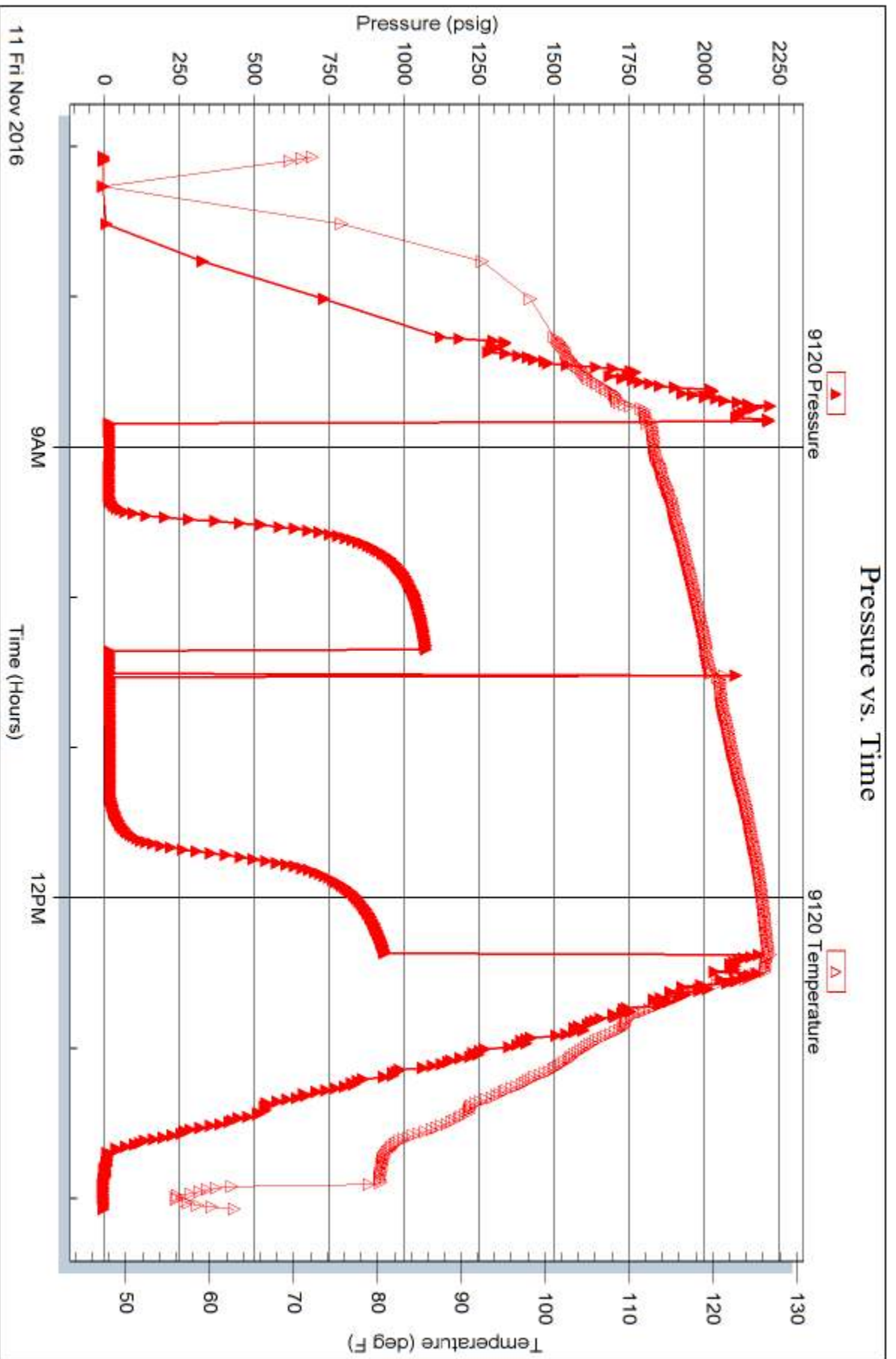


Serial #: 9120

Outside Pickett Drilling Co. Inc.

Albin T#3

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 63497

Printed: 2016.11.14 @ 09:06:46

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Pat Apple, Chairman
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

April 06, 2017

David Pauly
Pickrell Drilling Company, Inc.
100 S MAIN STE 505
WICHITA, KS 67202-3738

Re: ACO-1
API 15-063-22296-00-00
ALBIN "I" 3
SW/4 Sec.28-14S-27W
Gove County, Kansas

Dear David Pauly:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 10/31/2016 and the ACO-1 was received on April 06, 2017 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Pat Apple, Chairman
Shari Feist Albrecht, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

March 31, 2017

David Pauly
Pickrell Drilling Company, Inc.
100 South Main, Suite 505
Wichita, KS 67202

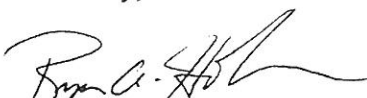
RE: Alternate II Extension
API# 15-063-22296-00-00
Albin I #3
Sec. 28 - T14s - R27w, Gove County
1505' FSL & 1675' FWL

Mr. Pauly,


The Kansas Corporation Commission (KCC) has received your request for an extension to the Alternate II cementing requirement of the above captioned well. According to KCC records, the original Alternate II deadline expired February 28, 2017. After reviewing the request, a ninety-day extension from the date of this letter to complete the Alternate II cementing requirement on the Albin I #3 well has been approved. This extension will expire June 29, 2017.

Pursuant to K.A.R. 82-3-106 extension of this time-frame automatically extends the time period for filing the ACO-1 pursuant to K.A.R. 82-3-130. Prior to completing the Alternate II cementing or plugging of subject well, contact District #4 field office at 785-261-6250.

Sincerely,



Ryan A. Hoffman
Director

cc: Rene Stucky, Production Dept. Supervisor 
Case Morris, District #4 Supervisor 