



KANSAS CORPORATION COMMISSION 1091312
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5088
Name: Darrah, John Jay, Jr.
Address 1: 225 N MARKET STE 300
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 2024
Contact Person: Will Darrah
Phone: (316) 219-3390
CONTRACTOR: License # 4958
Name: Mallard, J. V., Inc.
Wellsite Geologist: Seth Evenson
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>07/27/2012</u>	<u>08/02/2012</u>	<u>08/23/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-053-21273-00-00

Spot Description: _____
E2 SE SW SE Sec. 32 Twp. 15 S. R. 10 East West
330 Feet from North / South Line of Section
1510 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellsworth

Lease Name: John Vacek Well #: #6

Field Name: _____

Producing Formation: Arbuckle

Elevation: Ground: 1780 Kelly Bushing: 1783

Total Depth: 3285 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 369 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: 50 ppm Fluid volume: 10 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 09/27/2012



1091312

Operator Name: Darrah, John Jay, Jr. Lease Name: John Vacek Well #: #6
 Sec. 32 Twp. 15 S. R. 10 East West County: Ellsworth

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Submitted Electronically (If no, Submit Copy)	<input type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			

CASING RECORD <input checked="" 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
Surface	12.75	8.625	23	369	SMD	200	2% gel 3% CC
Production	7.875	5.5	14	3276	SMD	100	10% salt %5 gilsonite

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	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

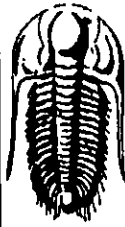
TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>3282</u>	Packer At: <u>NA</u>	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>08/23/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>8.34</u>	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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3280'</u>
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Form	ACO1 - Well Completion
Operator	Darrah, John Jay, Jr.
Well Name	John Vacek #6
Doc ID	1091312

Tops

Topeka	2526	-743
Oread	2742	-959
Heebner	2825	-1042
Brown Lime	2925	-1142
Lansing	2943	-1160
Base KC	3213	-1430
Simpson	3242	-1459
Arbuckle	3273	-1490
RTD	3282	-1499



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah, John Jay Jr
225 N Market Ste 300
Wichita Ks 67202 + 2024
ATTN: WJ Darrah

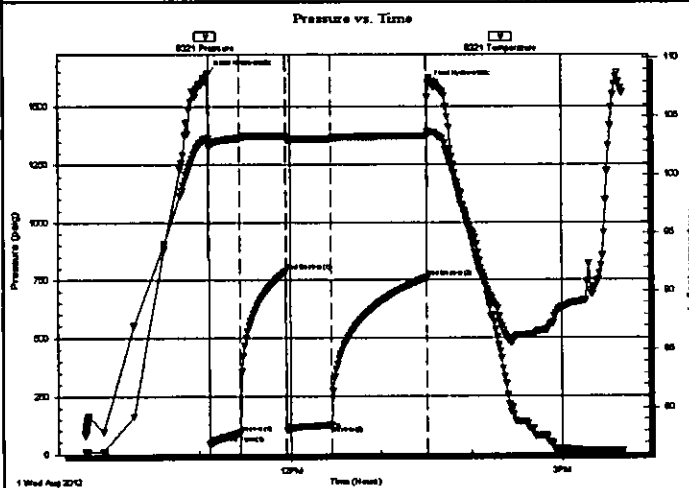
32-15s-10w
John Vacek #6
Job Ticket: 49341 **DST#: 2**
Test Start: 2012.08.01 @ 09:45:44

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 11:07:14
Time Test Ended: 15:50:44
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Jeff Brown**
Unit No: **44**
Interval: **3350.00 ft (KB) To 3382.00 ft (KB) (TVD)**
Reference Elevations: **1783.00 ft (KB)**
Total Depth: **3282.00 ft (KB) (TVD)**
1778.00 ft (CF)
Hole Diameter: **6.75 inches** Hole Condition: **Good**
KB to GR/CF: **5.00 ft**

Serial #: 8321 Inside
Press@RunDepth: **122.79 psig @ 3355.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.08.01** End Date: **2012.08.01** Last Calib.: **2012.08.01**
Start Time: **09:45:45** End Time: **15:40:44** Time On Btrr: **2012.08.01 @ 11:06:44**
Time Off Btrr: **2012.08.01 @ 13:31:44**

TEST COMMENT: FFP-Fair blow Built to 9 in
ISI-Weak surface blow back died out in 15 min
FFP-Fair blow built to 8 1/2 in
FSI-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.95	103.11	Initial Hydro-static
1	42.85	102.35	Open To Flow (1)
21	90.29	103.11	Shut-in(1)
51	787.04	103.31	End Shut-in(1)
51	100.58	103.08	Open To Flow (2)
81	122.79	103.06	Shut-in(2)
144	760.18	103.31	End Shut-in(2)
145	1598.53	103.54	Final Hydro-static

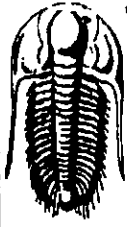
Recovery

Length (ft)	Description	Volume (bbl)
180.00	MCO 45%M 55%O	0.89
91.00	Gassy Oil 25%G 75%O	0.73

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah, John Jay Jr
225 N Market Ste 300
Wichita Ks 67202 + 2024
ATTN: Will Darrah

32-15s-10w
John Vacek #6
Job Ticket: 49341 **DST#: 2**
Test Start: 2012.08.01 @ 09:45:44

Mud and Cushion Information

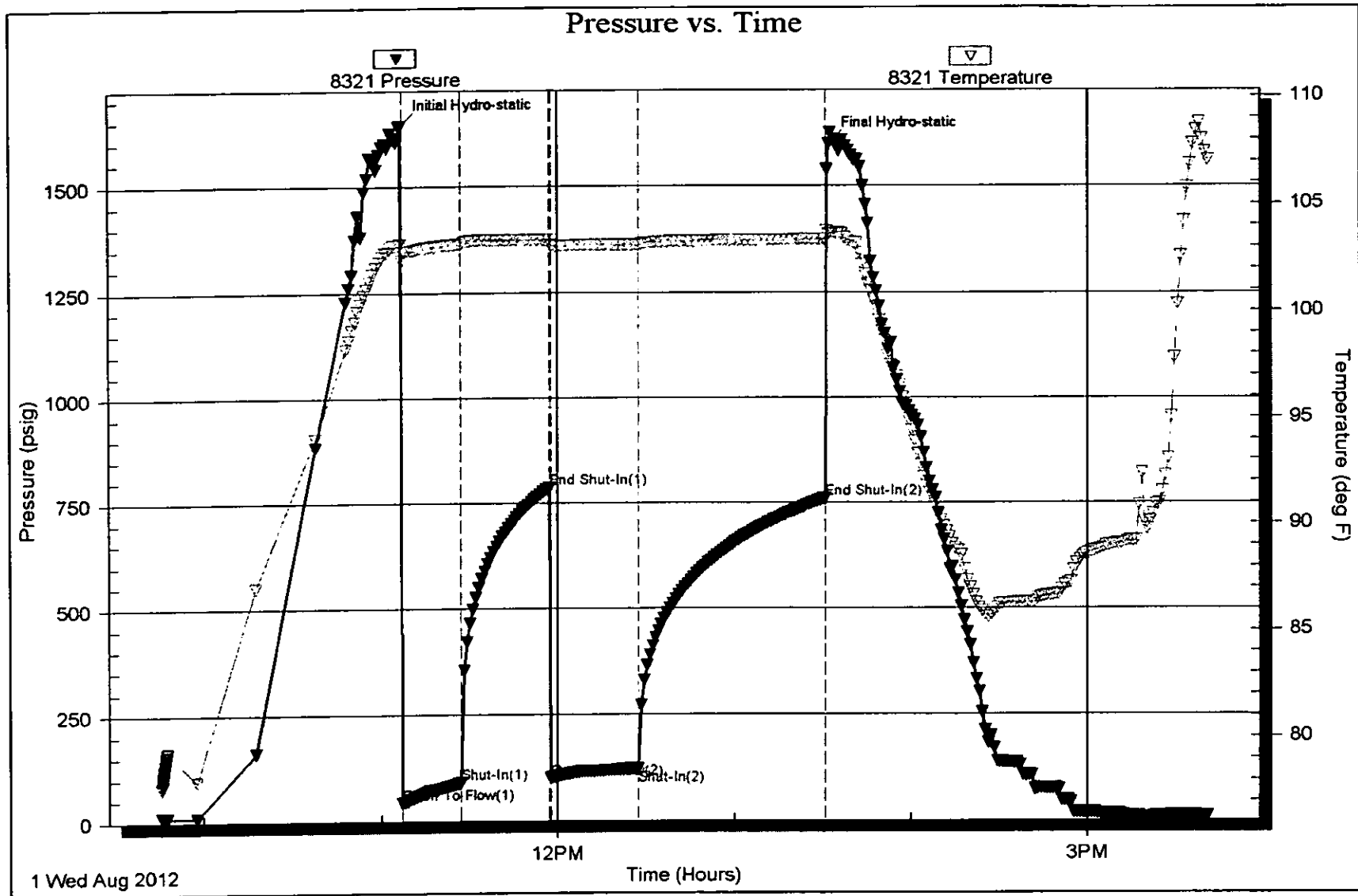
Mud Type: Gel Chem	Cushion Type:	Oil API:	33 deg API
Mud Weight: 10.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 50.00 sec/qt			
Water Loss: in ³	Cushion Volume:		
Resistivity: ohm.m			
Salinity: ppm	Gas Cushion Type:		
Filter Cake: inches	Gas Cushion Pressure:		psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MCO 45%M 55%O	0.885
91.00	Gassy Oil 25%G 75%O	0.730

Total Length: 271.00 ft Total Volume: 1.615 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



QUALITY OILWELL CEMENTING, INC.

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

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

No. 818

Date	8-2-12	Sec.	32	Twp.	15	Range	10	County	ELLSWORTH	State	KANSAS	On Location		Finish	3:45 AM
Lease	John VACEK			Well No.	# 6			Location	WILSON STA RD N-1E-1N-1/2 AC N INTD						
Contractor	MALLARD # 2							Owner	DARRAH OIL						
Type Job	Prod. string							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	8 5/8"		T.D.	3280'			Charge To	DARRAH OIL							
Csg.	5 1/2"		Depth	3277'			Street	225 N MARKET STE 300							
Tbg. Size			Depth				City	WICHITA		State KS, 67202					
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.			Shoe Joint	18'			Cement Amount Ordered	130 SKS 10% SALT							
Meas Line			Displace	79 1/2			500 gal Mud Clear 48								
EQUIPMENT							Common 130								
Pumptrk #15	No.	Cementor	NICK				Rick								
Bulktrk #10	No.	Driver	JASON				Rick								
Bulktrk #10	No.	Driver	GISELO				Rick								
JOB SERVICES & REMARKS							Calcium								
Remarks:	Hulls														
Rat Hole	30 SKS														
Mouse Hole	Flowseal														
Centralizers	# 2														
Baskets	Mud CLR 48 500 GAL.														
D/V or Port Collar	CFL-117 or CD110 CAF 38														
DROPPED BALL - BROKE CIRCULATION							Sand								
30 MIN ON BOTTOM - PLUMPED 500							Handling								
GALLONS MUD FLUSH - DISCONNECTED							Mileage								
PLUGGED RAT HOLE 30 SKS - RE-CONNECT							FLOAT EQUIPMENT								
TSD MIXED 120 SKS DOWN 5 1/2" - DROPPED							Guide Shoe	1-5 1/2"							
PLUG & DISPLACED PLUG LANNED & HELD							Centralizer	1-5 1/2"							
							Baskets								
							AFU Inserts	1-5 1/2"							
							Float Shoe								
							Latch Down								
							Pumptrk Charge	Prod Long String							
							Mileage	34							
THANK YOU							Tax								
Signature Frank G. Gorman							Discount								
							Total Charge								

QUALITY OILWELL CEMENTING, INC.

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

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

No. 762

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-27-12	32	15	10	Ellsworth	KS		10:15pm
Lease John Vacker	Well No. 6	Location Wilson SW 1/4 NE 1/4 E 1/2 into					
Contractor Maffard	Owner			To Quality Oilwell Cementing, Inc.			
Type Job Surface	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 12 1/4	T.D. 369	Charge To Dacrah Oil					
Csg. 8 5/8	Depth 369	Street 2251 Market, Suite 300					
Tbg. Size	Depth	City Wichita State KS 67202					
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 200 com 30cc 2 1/2 gal					
Meas Line	Displace 22 1/2 RC						

EQUIPMENT

Pumptrk 16	No. Cementer Casig	Helper	Common 200
Bulktrk	No. Driver Travis	Driver	Poz. Mix
Bulktrk 14	No. Driver Kenne	Driver	Gel. 4

JOB SERVICES & REMARKS

Remarks:	Calcium 7
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
8 5/8 on bottom. Est. Circulation.	CFL-117 or CD110 CAF 38
This 2025K Displace.	Sand
Cement Circulation!	Handling 2/11
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets 8 5/8 surge
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge Surface
	Mileage 34

X Signature *[Signature]*

Tax
Discount
Total Charge

Darrah Oil Company

Geologic Report

#6 John Vacek
15-053-21273

330 FSL & 1510 FEL
Sec. 32 T15S R10W
Ellsworth County Kansas

KB: 1783'
GL: 1778'

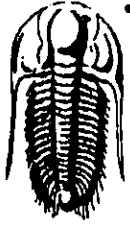
All measurements taken from KB

Contractor: Mallard JV

Spud date: July 27th, 2012
Drilling complete: August 1st, 2012

Geologist Seth Evenson on location 11:45 am July, 30th 2012 @ 2560 ft. MD

Drill time taken from 2400 ft. to TD
Samples logged from 2490 ft. to TD



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah, John Jay Jr

32-15s-10w

225 N Market Ste 300
Wichita Ks 67202 + 2024

John Vacek #6

Job Ticket: 49340

DST#: 1

ATTN: Will Darrah

Test Start: 2012.08.01 @ 05:17:53

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Mud	1.033

Total Length: 210.00 ft Total Volume: 1.033 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

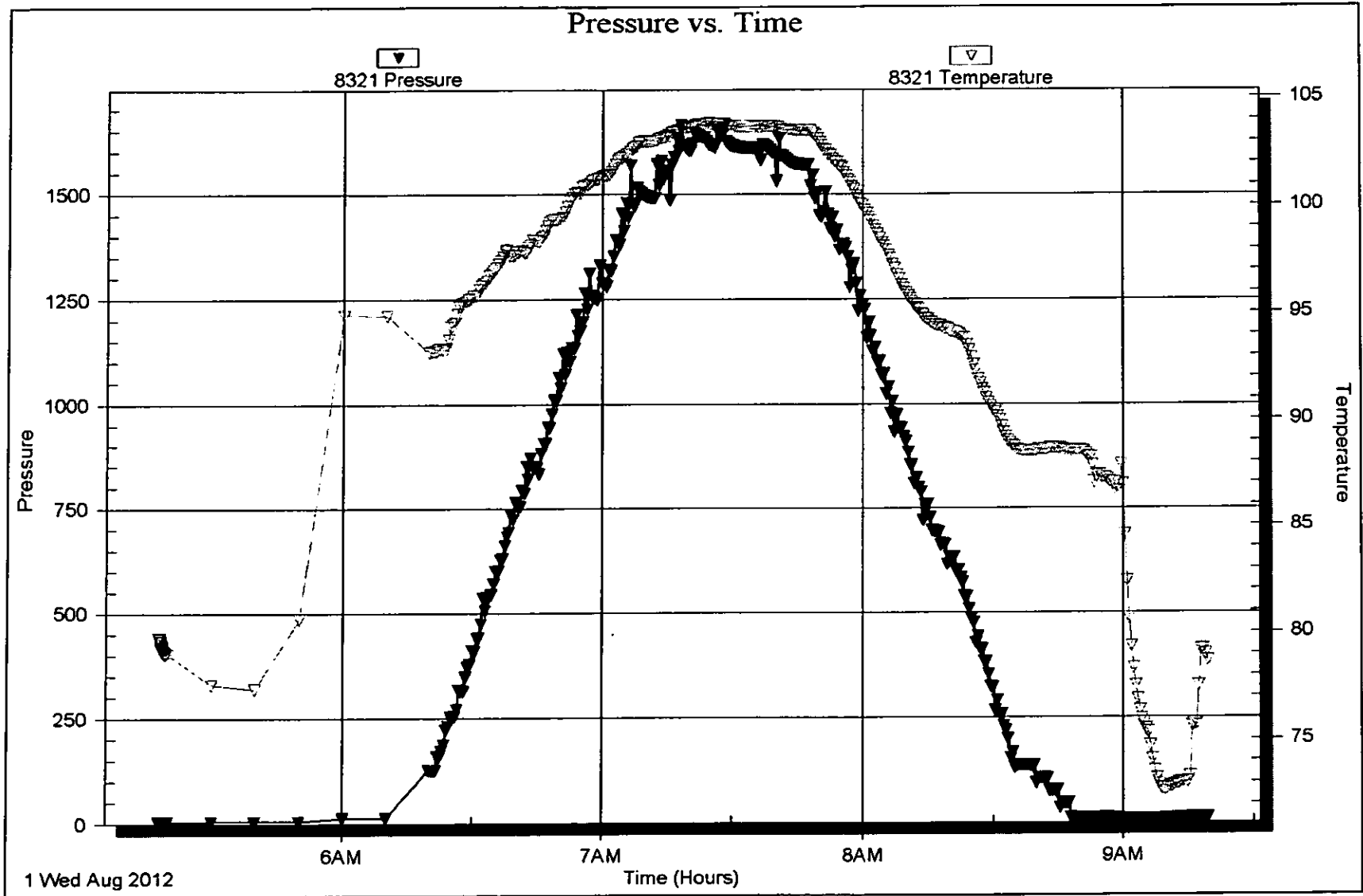
Recovery Comments: Mis-Run Packer Failure

Serial #: 8321

Inside Darrah, John Jay Jr

John Vacek #6

DST Test Number: 1



Sample Tops:

Topeka	2526' (-743)	Lansing G zn	3015' (-1232)
Oread	2742' (-959)	Muncie Creek shale	3073' (-1290)
Heebner	2825' (-1042)	Stark shale	3157' (-1374)
Toronto	2848' (-1065)	Hushpuckney shale	3189' (-1406)
Douglas	2855' (-1072)	BKC	3213' (-1430)
Brown Lime	2925' (-1142)	Simpson	3242' (-1459)
Lansing	2943' (-1160)	Arbuckle	3273' (-1490)
Lansing B zn	2971' (-1188)	Arbuckle porosity	3277' (-1494)
		TD	3282' (-1499)

Formation Tests:

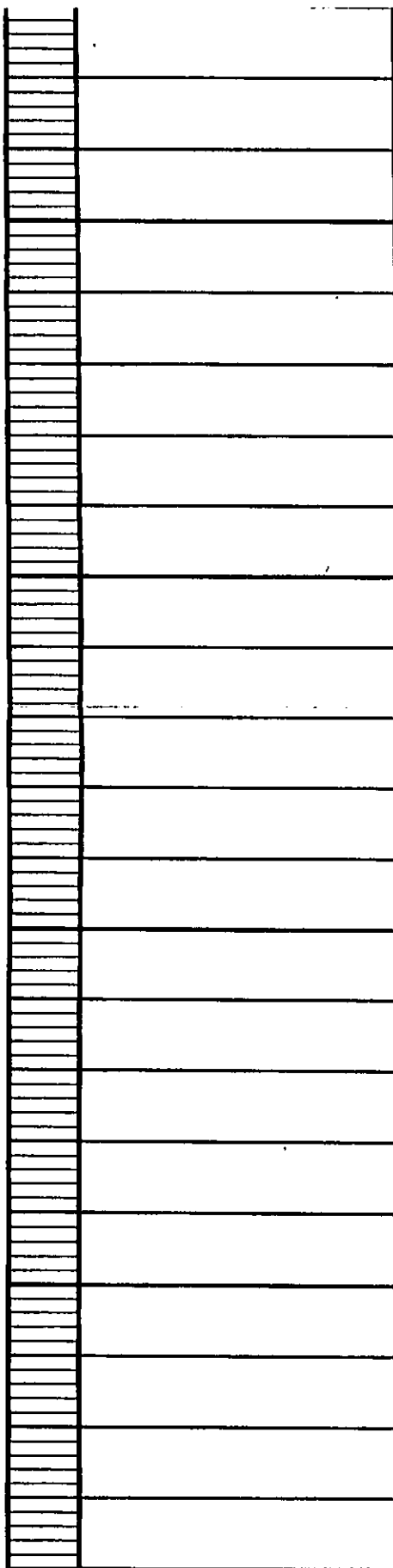
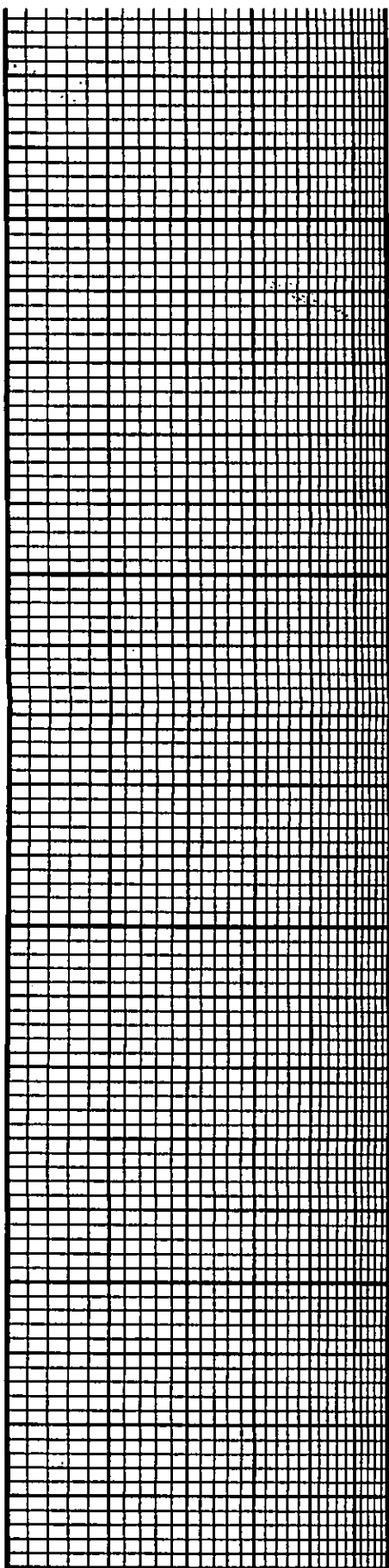
DST #1
3266' - 3282' MD
MIS-RUN
Packer did not seat

Rec: 210' Mud

DST #2
3250' - 3282' MD
HP 1643 - 1598
IFP 43 - 90 20 min
ISI 787 30 min
FFP 100 - 123 30 min
FSI 760 60 min
Rec. 91' GO (25% G; 75% O)
180' MCO (45% M; 55% O)

Structural Comparison:

	#6 John Vacek E2/SE/SW/SE Sec 32 15S-10W	#5 John Vacek E2/SW/SE/SE Sec 32 15S-10W	#3 Adamek A NE/NE/NW Sec 5 16S-10W
Topeka	-743	-745 (-2)	-749 (-6)
Douglas	-1072	-1071 (+1)	-1074 (-2)
Lansing	-1160	-1159 (+1)	-1162 (-2)
Stark	-1374	-1371 (+3)	-1372 (+2)
BKC	-1430	-1432 (-2)	-1432 (-2)



very rich. Very bright color in the vessels
w/ some internal surface vessels. No
in usual and irregular shape.

45 min. D. D. white off white-
to grey, Cu-wed xills, med-bed res,
Sl: siliceous, occ spry from the in
ung; Fr-gd interstn so fr unglar gl
withy unglar sized thoms, most
pet fr to fr show FO upon hnd. Mt
pet gl to hnd yell flwr. Mt pet sl-fr
straw cut, mt pet excellent cut & show
upon hnd. Fr-Gd str overall. Sl: color
in cup.

W. min. D. D. off white-
to grey, med-bed res, sil siliceous,
well counted, pet fr inter xills, fr
unglar, Sl: surface str, fr to hnd
upon hnd, gl pet ex. Mt pet
gl even sat, gl, brown upon hnd PSFO

CFS 3282

15 min. D. D. white off white-
to grey, med-bed res
fr inter xills, some pet unglar
Sl: fr to PSFO upon hnd. Sl: to
fr color in cup. Small pet fr to hnd
from fingerprint interstn gl upon hnd
to hnd yell flwr. Mt pet, sl-fr straw
cut mt pet, poor cut upon hnd
but with excellent bloom upon
hnd. Excellent sat. May internal
inter xills sat. perhaps inter xills
water is a little tight with counted
quite possibly better regular
than above.

45 min plus after circulation
was off for at least an hour

Melting shade showed maximum with the
same specimen but pet gl. Many pet
to a high wood orange they fresh chest.
Much white-
to grey, Cu-wed xills, med-bed res,
Sl: siliceous, occ spry from the in
ung; Fr-gd interstn so fr unglar gl
withy unglar sized thoms, most
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