



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1083964
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: _____

1083964

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	Keesee 1
Doc ID	1083964

Tops

Name	Top	Datum
Anhydrite	1452'	(+482)
Base/Anhydrite	1482'	(+452)
Topeka	2914'	(-980)
Heebner Shale	3116'	(-1182)
Toronto	3140'	(-1206)
Lansing	3154'	(-1220)
Base/KC	3376'	(-1442)
L.T.D.	3430'	(-1496)

ALLIED OIL & GAS SERVICES, LLC 056116

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67663

SERVICE POINT:
Russell

DATE 5-13-12	SEC 19	TWP 4S	RANGE 1B	CALLED OUT	ON LOCATION	JOB START 3:00	JOB FINISH 3:57 PM 3:30
LEASE Keesee	WELL# 1	LOCATION Speed 1KE NINTZ			COUNTY Phillips	STATE KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery #1

TYPE OF JOB R Plug

HOLE SIZE T.D. 34.30

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 220 sk 60/40 4% Gel

flow

COMMON	132	@ 16.25	2145.00
POZMIX	25	@ 8.20	205.00
GEL	8	@ 21.25	170.00
CHLORIDE		@	
ASC		@	
Plugging	50 sk	@ 2.70	135.00
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	221	@ 2.25	515.25
MILEAGE	18,320	.11	2015.20
TOTAL			5745.45

EQUIPMENT

PUMP TRUCK CEMENTER John

409 HELPER Tony

BULK TRUCK

410 DRIVER Robert Y.

BULK TRUCK

DRIVER

REMARKS:

21 mix 25 sk @ 14' W 60/40 4% Gel #1000

22 mix 100 sk @ 8.25 "

23 mix 40 sk @ 21.25 "

24 mix 10 sk @ 40' "

25 sk rat

15 sk mouse

Plug down @ 3:15 Thanks

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE	@		
MILEAGE MILV 80	@ 7.00		560.00
MANIFOLD	@		
MILV 80	@ 4.00		320.00
	@		
TOTAL			2130.00

CHARGE TO: John O Farmer

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

2 1/2" wooden Plug	@		79
	@		
	@		
	@		
TOTAL			79.00

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)	539.74
TOTAL CHARGES	7937.45
DISCOUNT 20/50	2456.05 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE [Signature]



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548
370 West Wichita Avenue - P.O. Box 352 PO Box 763
Russell, KS 67665 Hays, KS 67601

Lease: Keesee # 1 Location: NE/SE/SW
Section 19/ 4S/ 18W
Phillips Co., KS

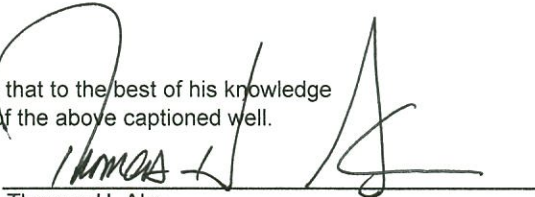
Loggers Total Depth: 3430' API#15- 147-20,673-00-00
Rotary Total Depth: 3430' Elevation: 1926 GL - 1934 KB
Commenced: 5/8/2012 Completed: 5/13/2012
Casing: 8 5/8" @ 232.85'W/150sks Status: D & A

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1485'</u>
Dakota Sand	<u>809'</u>	Shale & Lime	<u>2093'</u>
Shale	<u>867'</u>	Shale	<u>2540'</u>
Cedar Hill Sand	<u>1029'</u>	Shale & Lime	<u>2842'</u>
Red Bed Shale	<u>1178'</u>	Lime & Shale	<u>3101'</u>
Anhydrite	<u>1456'</u>	RTD	<u>3430'</u>
Base Anhydrite	<u>1485'</u>		

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

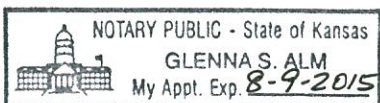

Thomas H. Alm

Subscribed and sworn to before me on 5-21-2012

My Commission expires: 8-9-2015

(Place stamp or seal below)


Notary Public



Randall Kilian Corporation

Geologist



**Certified Petroleum
Geologist #3351
License #224**

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY JOHN O FARMER, INC. (5135)

WELL Keesee #1

FIELD Wildcat

LOCATION (legal) Ad. E $\frac{1}{2}$ SE SW
(530' FSL & 2280' FWL)
Section 19 TWP 4S RGE 18W

(Map) 4 mi W of Glade, Ks.

COUNTY Phillips STATE Kansas

ELEVATION: 1934' K.B., 1926' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-147-20673

GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Discovery Drilling (31548)

RIG # 1 HYDRAULICS D-375 6x14x60
(Cliff Mayfield TP)

DRILL PIPE 4 1/2" X-H COLLARS 6 x 2 1/2" 17 (560')

CASING: SURFACE 8 5/8" @ 233' w/ 150 sx Common

PRODUCTION _____

DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.
(Ken Rupp)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing Inc.
(James Winder)

NUMBER OF TESTS Three (3)

ELECTIC LOGS: COMPANY The Perforators

DETAIL (5") 2950' - RTD

TYPE DI, Comp N-D, Micro

DRILLING TIME FROM 2850' TO RTD

SAMPLE TIME FROM 2900' TO RTD

SUPERVISION FROM 2900' TO RTD

VERTICAL DEVIATION 1/2" @ 233', 1" @ 3229',
1" @ 3430'

PLUGGING REPORT 25 sx @ 1470', 100 @ 875', 40 @ 280', 10 @
40', 30 Rat, 15 Mouse, 220 sx 60/40 Poz Ed Shumaker

RESERVE PIT 500 bbls., Chl. 14,000 Ca. 800

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc C-D 3177- 3229'	13# 23# 30"	1034# 30"	25# 29# 30"	989# 30"	1542# 1515#	33' SI, O, C, Mud 6% O
2	LKc E-G 3223- 3265'	14# 25# 30"	986# 30"	27# 30# 30"	931# 30"	1580# 1565#	35' SI, O, C, Mud 2% O
3	LKc H-K 3261- 3360'	14# 19# 30"	540# 30"	20# 22# 30"	481# 30"	1595# 1574#	25' Mud w/ s.o.
4							
5							
6							
7							
8							

MUD RECORD						
CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2810'					
2	3100'	8.9	58			
3	3224'	8.9	60	8.0	500	28
4	3265'	9.1	56	8.8	1k	26
5	3430'	9.1	58			
6						
7						
8						
9						
10						
11						

Displaced

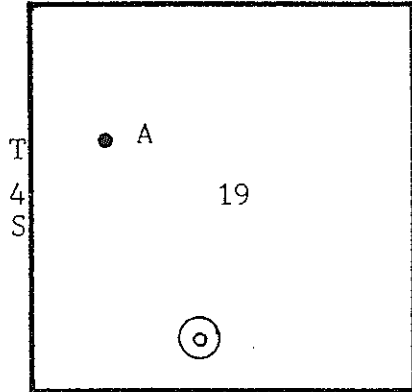
LCM 2#
LCM 2#

BIT RECORD				
NO	SIZE	MAKE	TYPE	HOURS
1	12 1/4"	JZ	WA417	2
2	7 7/8"	ITCo.	GX20C	52 1/2
3				
4				
5				
6				
7				

NO	SIZE	DEPTH	FEET
1	12 1/4"	233'	233'
2	7 7/8"	3430'	3197'
3			
4			
5			
6			
7			

FORMATION TOPS & STRUCTURAL GEOLOGY

R 18 W



REFERRED TO:

- A: JOHN O FARMER, INC.
Sutley #1 SW NE SW NW 19
- B: _____
- C: _____
- D: _____
- E: _____

STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	1456'	1452'	+ 482	+ 462				
Base	1486'	1482'	+ 452	+ 432				
Topeka	2916'	2914'	- 980	- 982				
Heeb. Sh.	3117'	3116'	-1182	-1178				
Toronto	3144'	3140'	-1206	-1205				
Lansing	3157'	3154'	-1220	-1218				
BKc.	3377'	3376'	-1442	-1441				
TD	3430'	3430'	-1496	-1693				

Pipe strap 2.92' long, (windy).

*Structural position of subject well as compared to referred well.

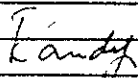
SUMMARY

The Keesee #1 well was drilled with Discovery Drilling tools rig #1 beginning 5-08-12 and drilling was completed 5-13-12.

The well ran low structurally. Poor oil shows were encountered in several zones. Three DST's were run over all oil shows with negative results.

Based upon all data, the well was plugged as a dry hole.

Respectfully,



Randall Kilian

DRILLING TIME (min/ft) OIL SHOW

1/2 1 2 3 4 5 6 7 8 9 10

ST
:00
:41
:00

THE DE ABOUT

HEMANK

ANH.

60

70

80

90

Base

60

70

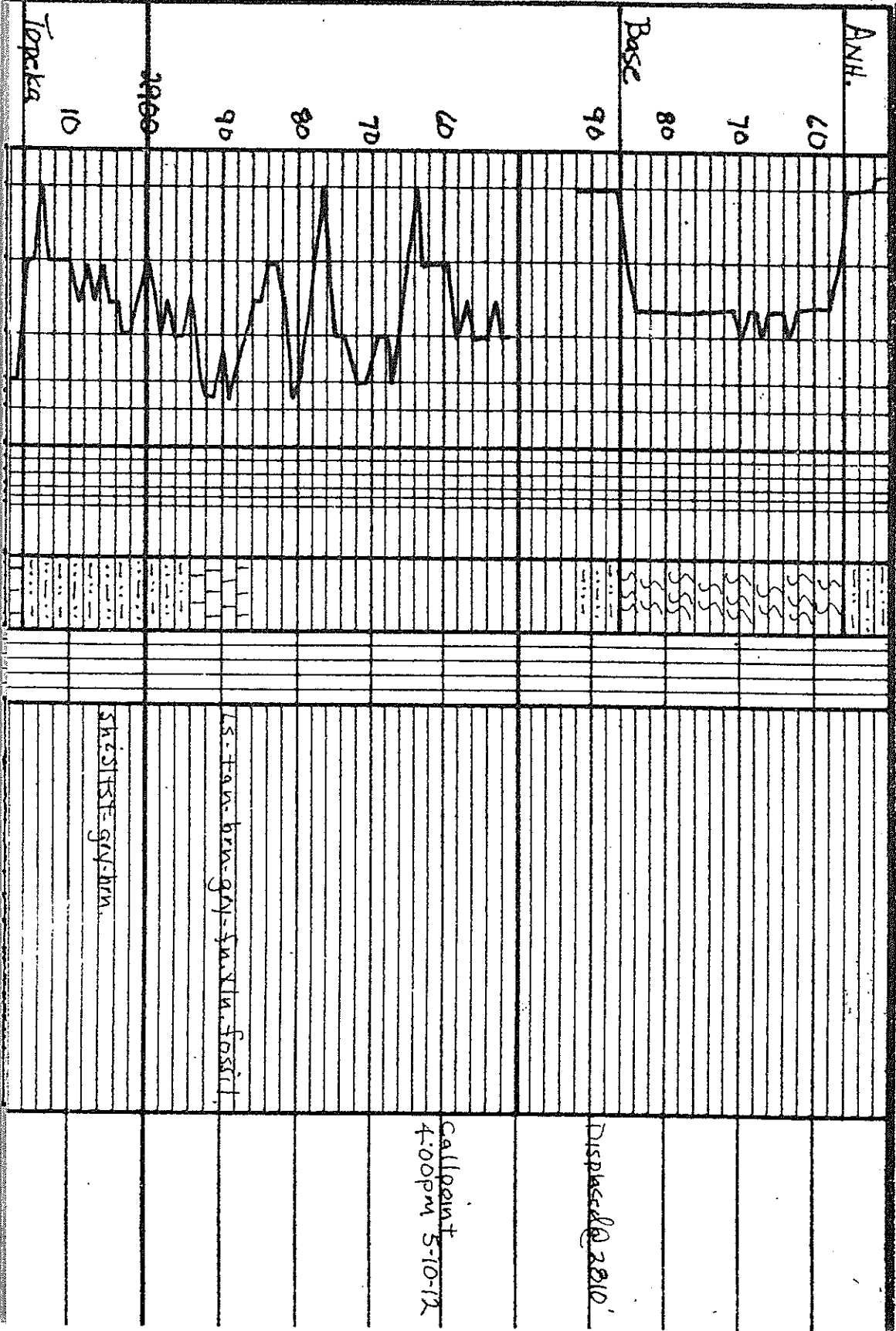
80

90

1000

Topoka

10

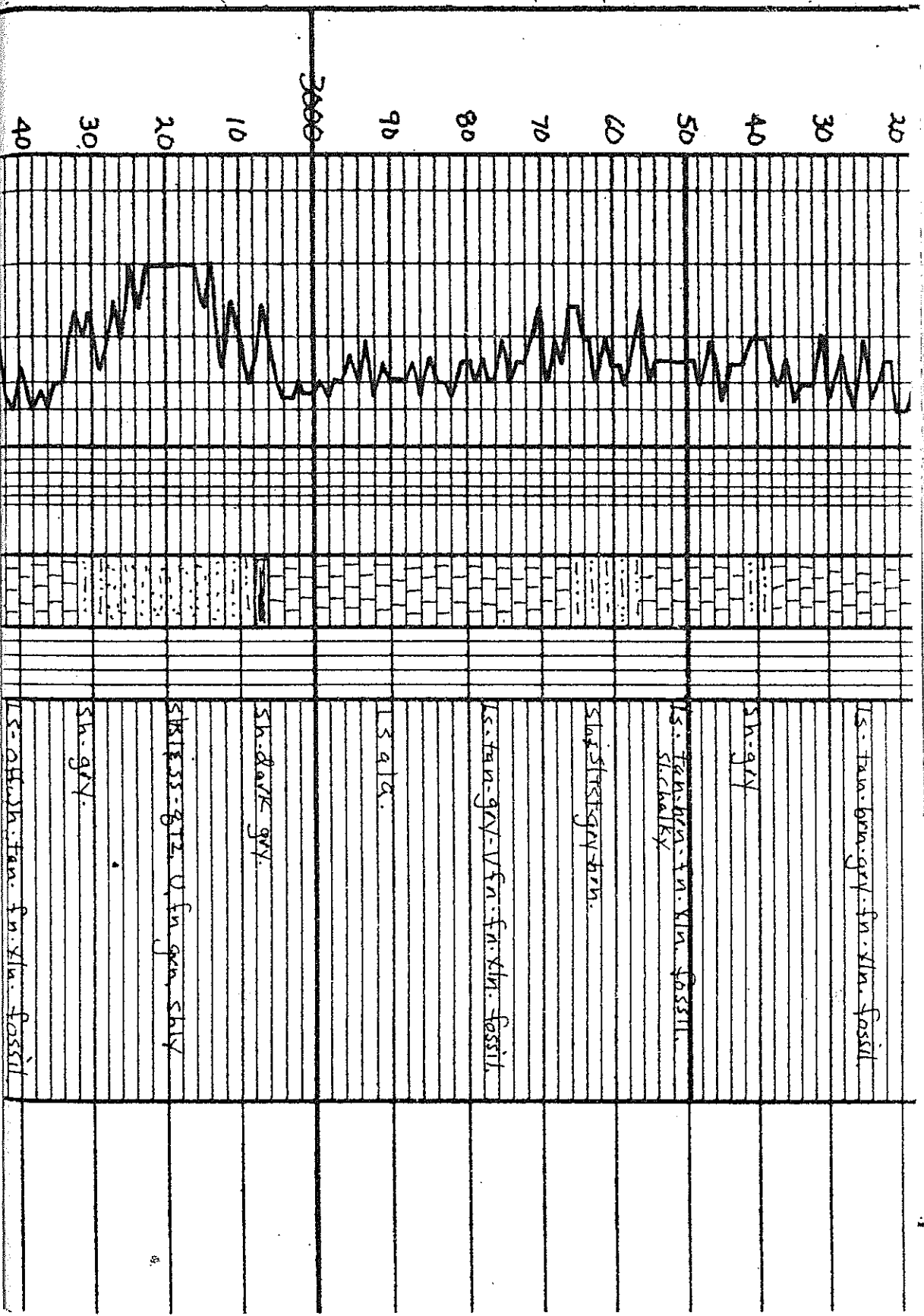


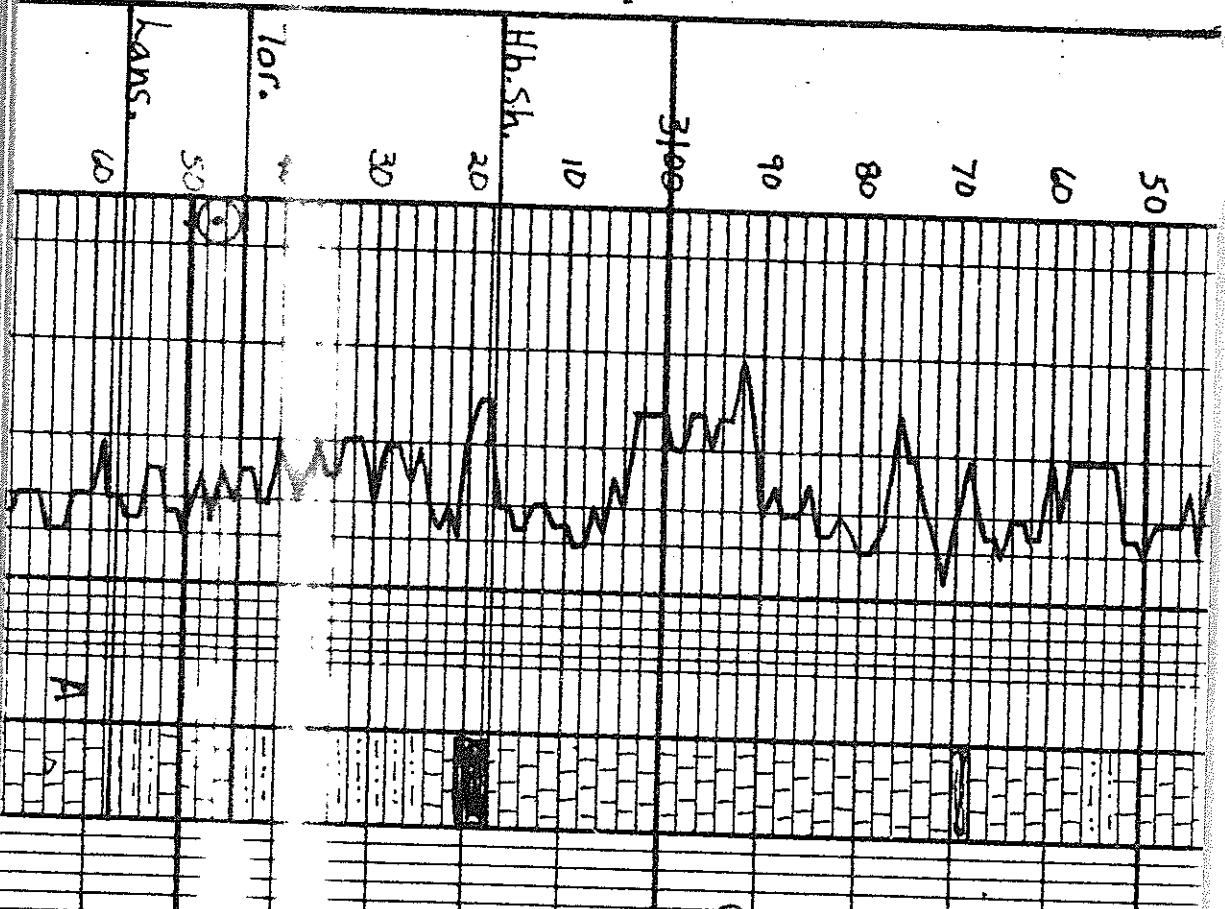
Displaced @ 2810'

Callpoint
4:00pm 5-10-12

LS. Tan. brn. gray. fossil.

SH. ST. ST. gray. brn.





50
 60
 70
 80
 90
 3100
 10
 20
 30
 40
 50
 60

Hb. Sh.
 Tor.
 Kans.

Sh. & silt. - gray - brown
 soft

Sh. - dark gray - blk.

L.S. - off-white - tan - fine. fossil.
 ool. siliceous

L.S. - off-white - fine. sil. - ool. (dead) strands

L.S. - tan - fine. sil. - fossil, ool

Mud
 Vis. - 58
 cor. - 8.9

Sh. - blk. - gray - fossil

L.S. - tan - fine. sil.

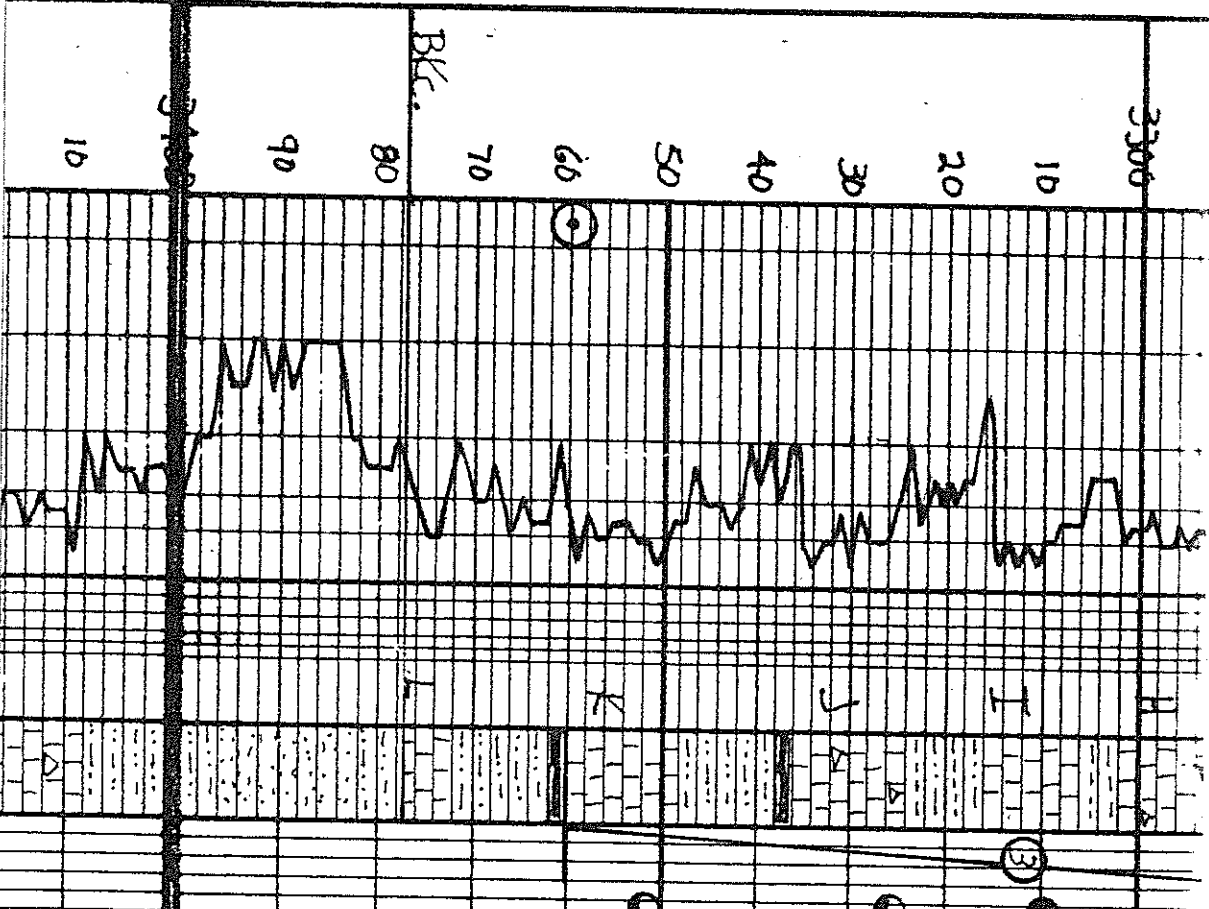
Sh. - silt. - gray - brown - green

L.S. - off-white - tan - gray - fine. sil. - fossil
 sil. - fossil - sil. - 28, pyrite

Sh. - gray

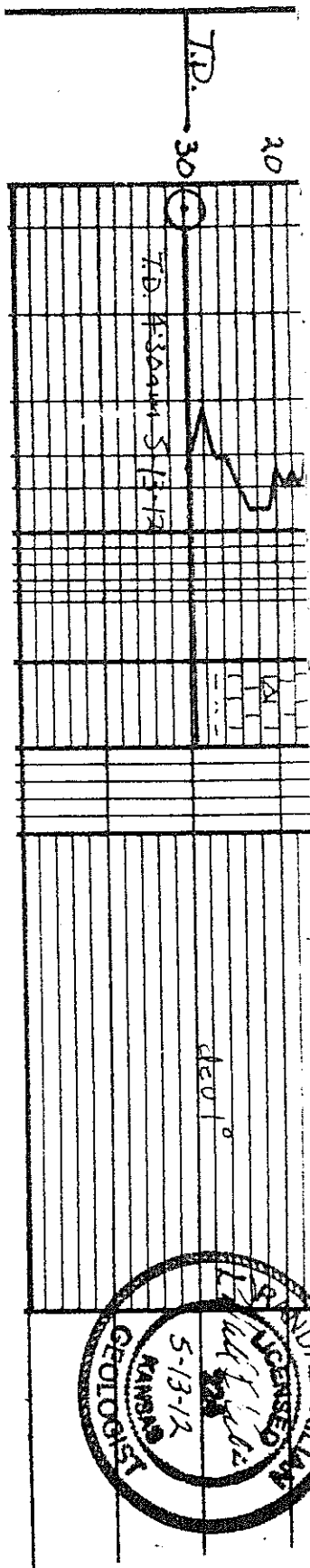
L.S. - off-white - tan - gray - fine. sil. - fine. sil. - fine. sil.
 sil. - ool. w/ deep irregularities

A



LS - Tan. lg. gr. fn. sh. sl. fossiliferous
 sh. gr. brn.
 LS - off wh. fn. sh. poor fossiliferous
 poor interpart. of oolite in part
 of sl. sh. layer.
 sh. gr. brn.
 LS - off wh. tan. lg. gr. fn. sh. w/ poor interpart. of oolite in part of sl. sh. layer.
 sh. blk. fossiliferous
 sh. sl. sh. - gr. brn.
 LS - tan. fn. sh. fossiliferous
 sh. sl. sh. - gr. brn.
 sh. sl. sh. - gr. brn. shaly.
 sh. sl. sh. - gr. brn.
 LS - tan. brn. gr. fn. sh. fossiliferous

McC H. K. D51#3
 3261.3360'
 30°30'30"30"
 25' Mud w/ S.O.
 F.P. 19-19 20-22 #
 S.I.P. 540-481#

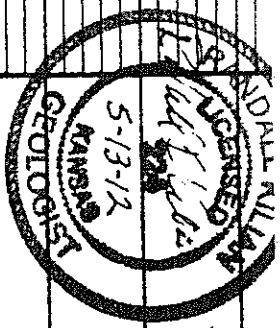


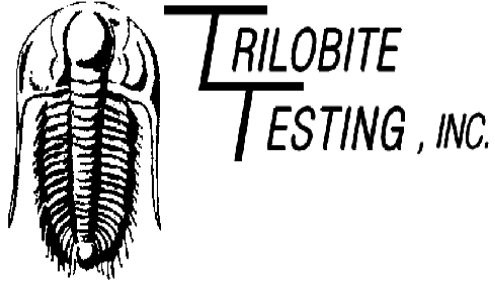
T.D. 30

20

T.D. 4-30-11-5-13-12

dev 1°





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Randy Kilian

Keesee #1

19-4s-18w Phillips,KS

Start Date: 2012.05.11 @ 15:44:00

End Date: 2012.05.11 @ 20:51:30

Job Ticket #: 46163 DST #: 1

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

Printed: 2012.05.16 @ 16:18:50

John O Farmer Inc. 19-4s-18w Phillips,KS Keesee #1 DST # 1 LKC "C" 2012.05.11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46163

DST#: 1

ATTN: Randy Kilian

Test Start: 2012.05.11 @ 15:44:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:20:00

Time Test Ended: 20:51:30

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 3177.00 ft (KB) To 3229.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3229.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 28.55 psig @ 3178.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.11

End Date:

2012.05.11

Last Calib.:

2012.05.11

Start Time:

15:44:05

End Time:

20:51:29

Time On Btm:

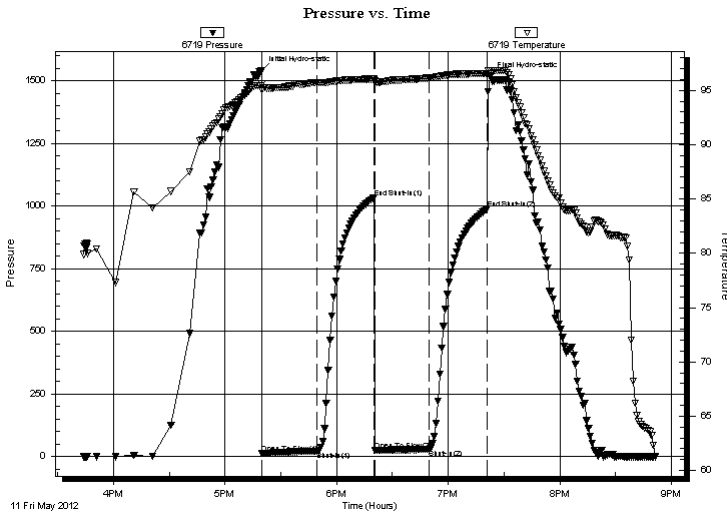
2012.05.11 @ 17:19:30

Time Off Btm:

2012.05.11 @ 19:22:30

TEST COMMENT: 30 - IF: Blow built to 3/4"
30 - IS: Bled off, No blow back
30 - FF: Blow started at 13 min., built to 1/8"
30 - FS: Bled off, No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1541.70	95.56	Initial Hydro-static
1	12.72	95.10	Open To Flow (1)
30	22.52	95.72	Shut-In(1)
61	1034.15	96.06	End Shut-In(1)
61	24.89	95.85	Open To Flow (2)
90	28.55	96.14	Shut-In(2)
122	988.77	96.57	End Shut-In(2)
123	1515.49	96.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
33.00	Mud w /Oil spots 92%m, 6%o, 2%g	0.18

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46163

DST#: 1

ATTN: Randy Kilian

Test Start: 2012.05.11 @ 15:44:00

Tool Information

Drill Pipe:	Length: 3137.00 ft	Diameter: 3.80 inches	Volume: 44.00 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 44.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3177.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3159.00	
Hydraulic tool	5.00			3164.00	
Safety Joint	3.00			3167.00	
Packer	5.00			3172.00	23.00 Bottom Of Top Packer
Packer	5.00			3177.00	
Stubb	1.00			3178.00	
Recorder	0.00	6719	Inside	3178.00	
Recorder	0.00	8320	Outside	3178.00	
Perforations	14.00			3192.00	
Blank Spacing	34.00			3226.00	
Bullnose	3.00			3229.00	52.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46163

DST#: 1

ATTN: Randy Kilian

Test Start: 2012.05.11 @ 15:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
33.00	Mud w /Oil spots 92%m, 6%o, 2%g	0.181

Total Length: 33.00 ft Total Volume: 0.181 bbl

Num Fluid Samples: 0

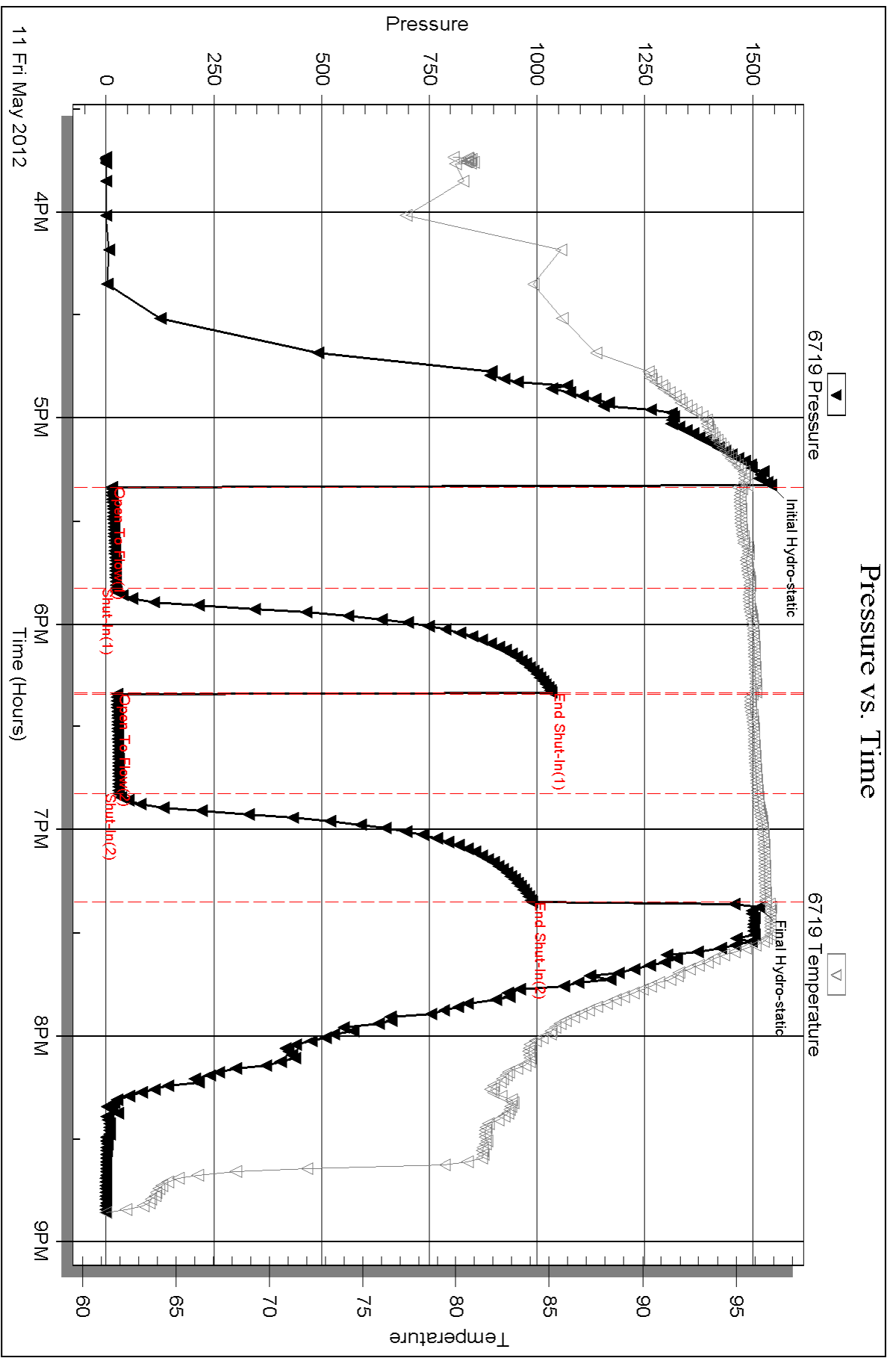
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

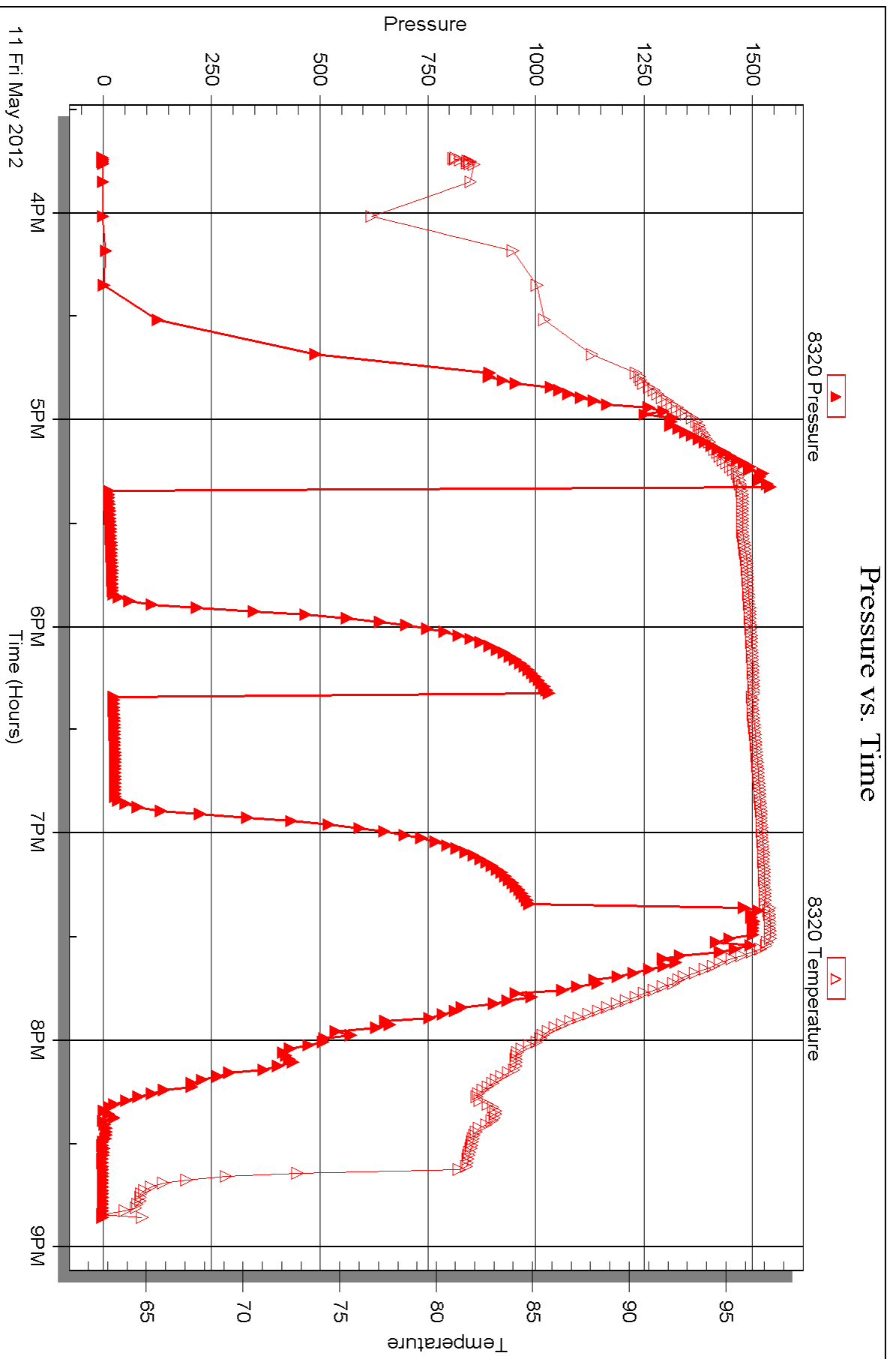


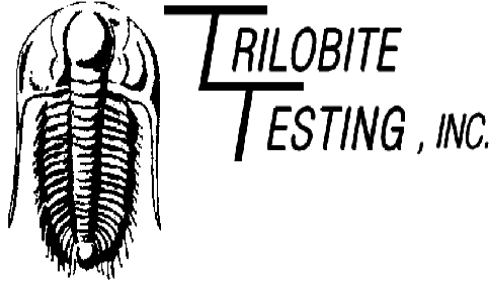
Serial #: 8320

Outside John O Farmer Inc.

Keesee #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Randy Kilian

Keesee #1

19-4s-18w Phillips,KS

Start Date: 2012.05.12 @ 03:35:00

End Date: 2012.05.12 @ 08:18:30

Job Ticket #: 46164 DST #: 2

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

Printed: 2012.05.16 @ 16:18:09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46164

DST#: 2

ATTN: Randy Kilian

Test Start: 2012.05.12 @ 03:35:00

GENERAL INFORMATION:

Formation: **LKC "E-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:02:30

Time Test Ended: 08:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 3223.00 ft (KB) To 3265.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3265.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 30.43 psig @ 3224.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.12 End Date: 2012.05.12

Last Calib.: 2012.05.12

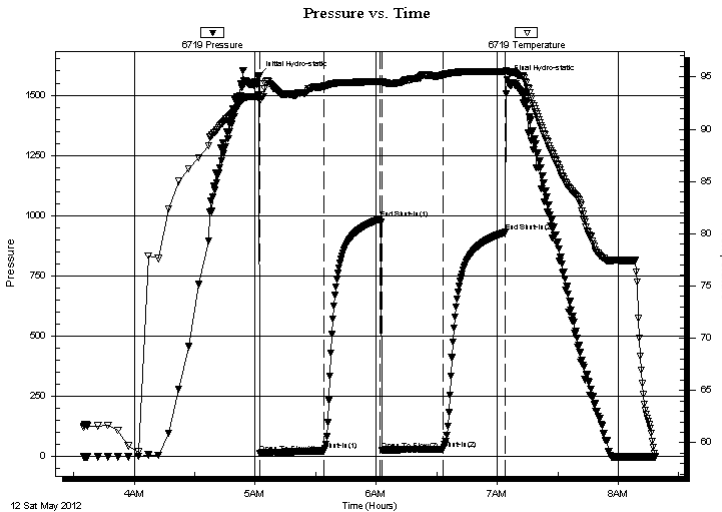
Start Time: 03:35:05 End Time: 08:18:29

Time On Btm: 2012.05.12 @ 05:02:00

Time Off Btm: 2012.05.12 @ 07:05:00

TEST COMMENT: 30 - IF: 1/4" Blow at open, built to 1 1/2"
30 - IS: Bled off, No blow back
30 - FF: Blow started at 8 min., built to 3/8"
30 - FS: Bled off, No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.69	93.26	Initial Hydro-static
1	14.06	92.75	Open To Flow (1)
32	24.83	94.11	Shut-In(1)
60	985.57	94.57	End Shut-In(1)
61	26.77	94.48	Open To Flow (2)
91	30.43	95.17	Shut-In(2)
122	931.41	95.54	End Shut-In(2)
123	1565.39	95.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Mud w /Oil spots 97%m, 2%o, 1%g	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46164

DST#: 2

ATTN: Randy Kilian

Test Start: 2012.05.12 @ 03:35:00

Tool Information

Drill Pipe:	Length: 3199.00 ft	Diameter: 3.80 inches	Volume: 44.87 bbl	Tool Weight:	2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 45.02 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3223.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Tool slid 2' to bottom before open - No mud loss

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3205.00	
Hydraulic tool	5.00			3210.00	
Safety Joint	3.00			3213.00	
Packer	5.00			3218.00	23.00 Bottom Of Top Packer
Packer	5.00			3223.00	
Stubb	1.00			3224.00	
Recorder	0.00	6719	Inside	3224.00	
Recorder	0.00	8320	Outside	3224.00	
Perforations	5.00			3229.00	
Blank Spacing	33.00			3262.00	
Bullnose	3.00			3265.00	42.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46164

DST#: 2

ATTN: Randy Kilian

Test Start: 2012.05.12 @ 03:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
35.00	Mud w /Oil spots 97% <i>m</i> , 2% <i>o</i> , 1% <i>g</i>	0.209

Total Length: 35.00 ft Total Volume: 0.209 bbf

Num Fluid Samples: 0

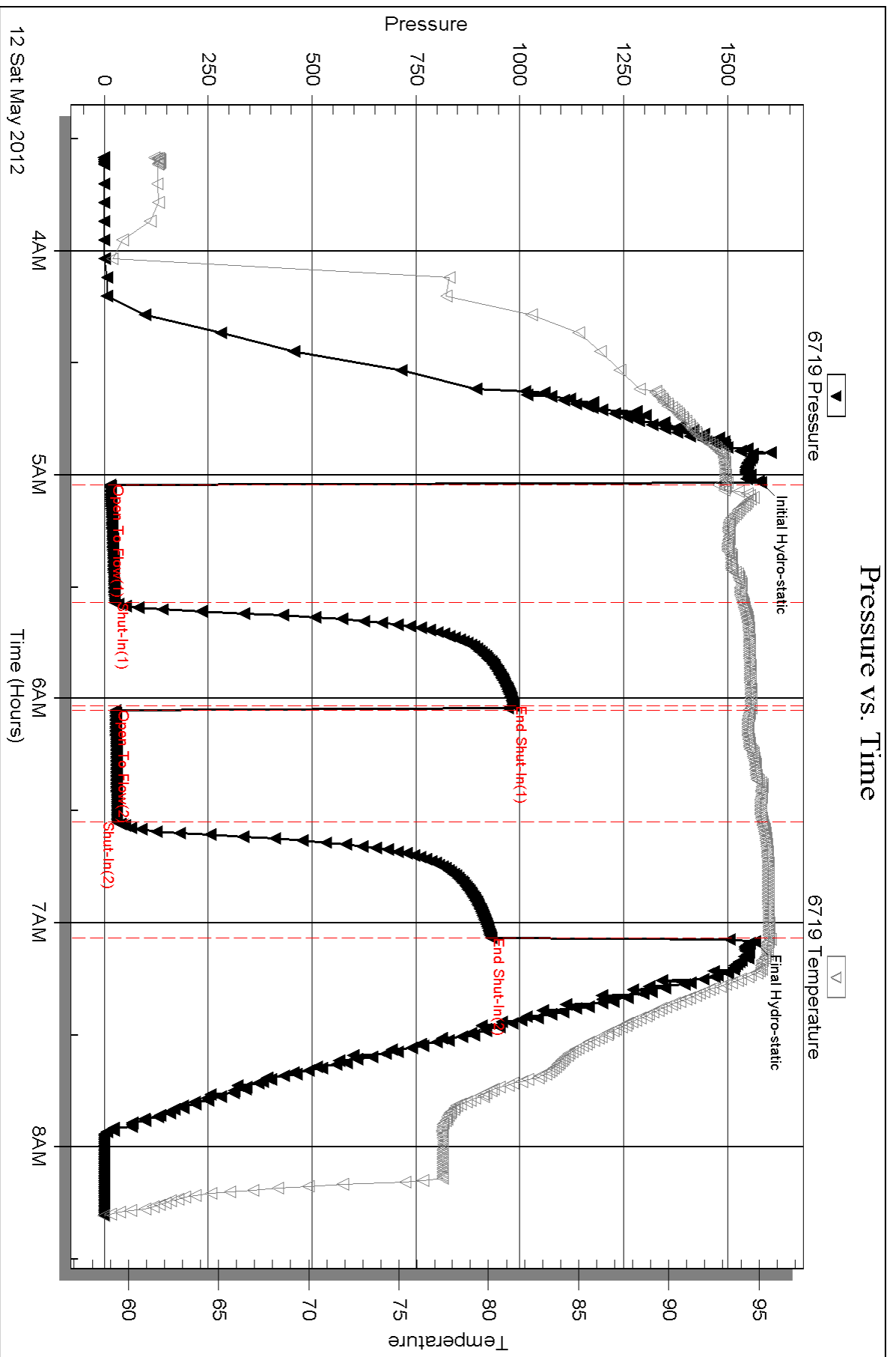
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



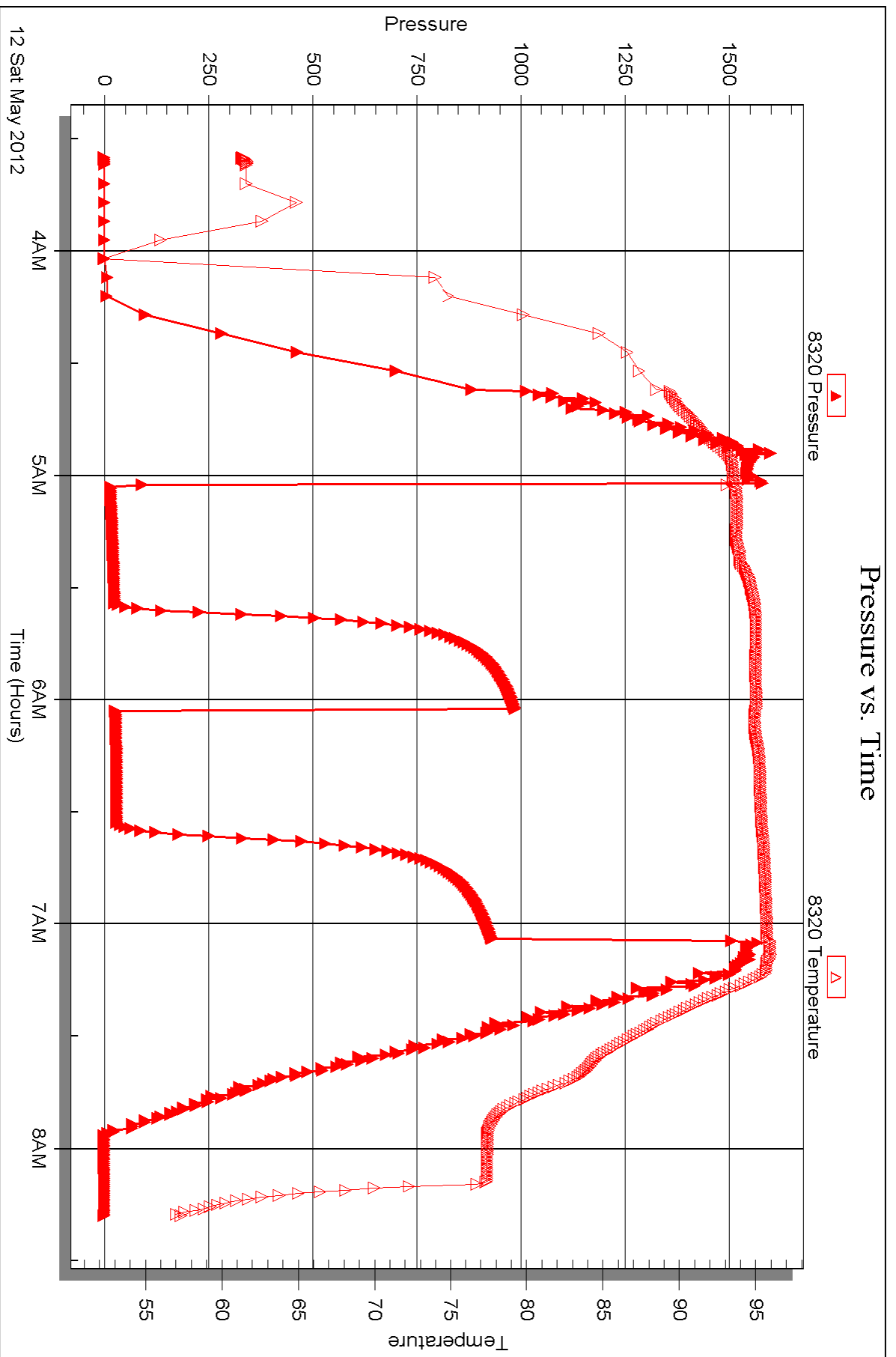
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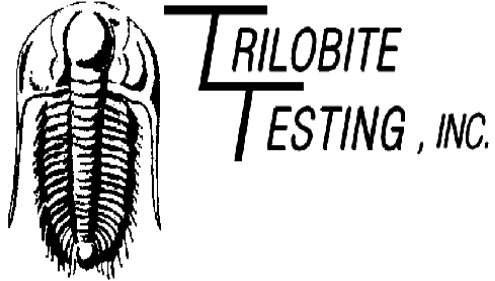
Outside

John O Farmer Inc.

Keesee #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Randy Kilian

Keesee #1

19-4s-18w Phillips,KS

Start Date: 2012.05.12 @ 17:21:00

End Date: 2012.05.12 @ 22:20:00

Job Ticket #: 46165 DST #: 3

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

Printed: 2012.05.16 @ 16:17:30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46165

DST#: 3

ATTN: Randy Kilian

Test Start: 2012.05.12 @ 17:21:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:54:30

Time Test Ended: 22:20:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 3261.00 ft (KB) To 3360.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3360.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 21.77 psig @ 3262.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.12 End Date: 2012.05.12

Last Calib.: 2012.05.12

Start Time: 17:21:05 End Time: 22:19:59

Time On Btm: 2012.05.12 @ 18:54:00

Time Off Btm: 2012.05.12 @ 20:57:30

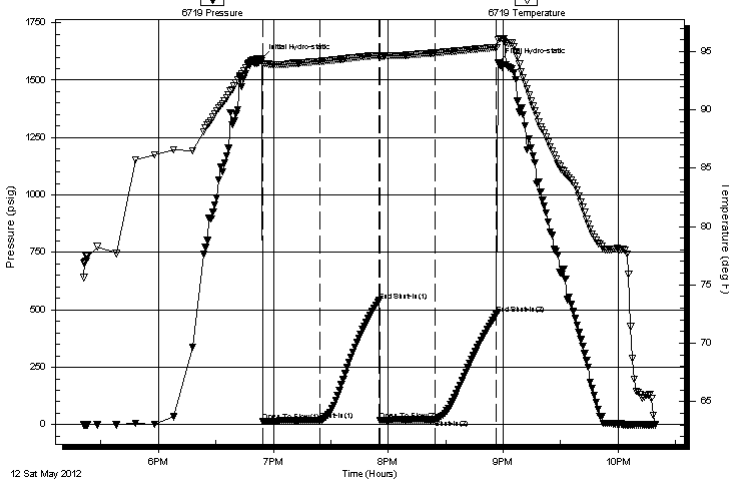
TEST COMMENT: 30 - IF: Blow built to 1/2" then died back, dead at 24 min.

30 - IS: No blow back

30 - FF: No blow

30 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.56	94.18	Initial Hydro-static
1	13.83	93.98	Open To Flow (1)
31	19.00	94.15	Shut-In(1)
61	539.76	94.67	End Shut-In(1)
62	19.94	94.58	Open To Flow (2)
91	21.77	94.88	Shut-In(2)
123	481.32	95.35	End Shut-In(2)
124	1574.37	96.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud w /trace of Oil 100% m	0.12

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46165

DST#: 3

ATTN: Randy Kilian

Test Start: 2012.05.12 @ 17:21:00

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 45.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3261.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3246.00	
Hydraulic tool	5.00			3251.00	
Packer	5.00			3256.00	20.00 Bottom Of Top Packer
Packer	5.00			3261.00	
Stubb	1.00			3262.00	
Recorder	0.00	6719	Inside	3262.00	
Recorder	0.00	8320	Outside	3262.00	
Perforations	31.00			3293.00	
Blank Spacing	64.00			3357.00	
Bullnose	3.00			3360.00	99.00 Bottom Packers & Anchor
Total Tool Length:	119.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

19-4s-18w Phillips,KS

PO Box 352
Russell, KS 67665

Keesee #1

Job Ticket: 46165

DST#: 3

ATTN: Randy Kilian

Test Start: 2012.05.12 @ 17:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud w /trace of Oil 100%m	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

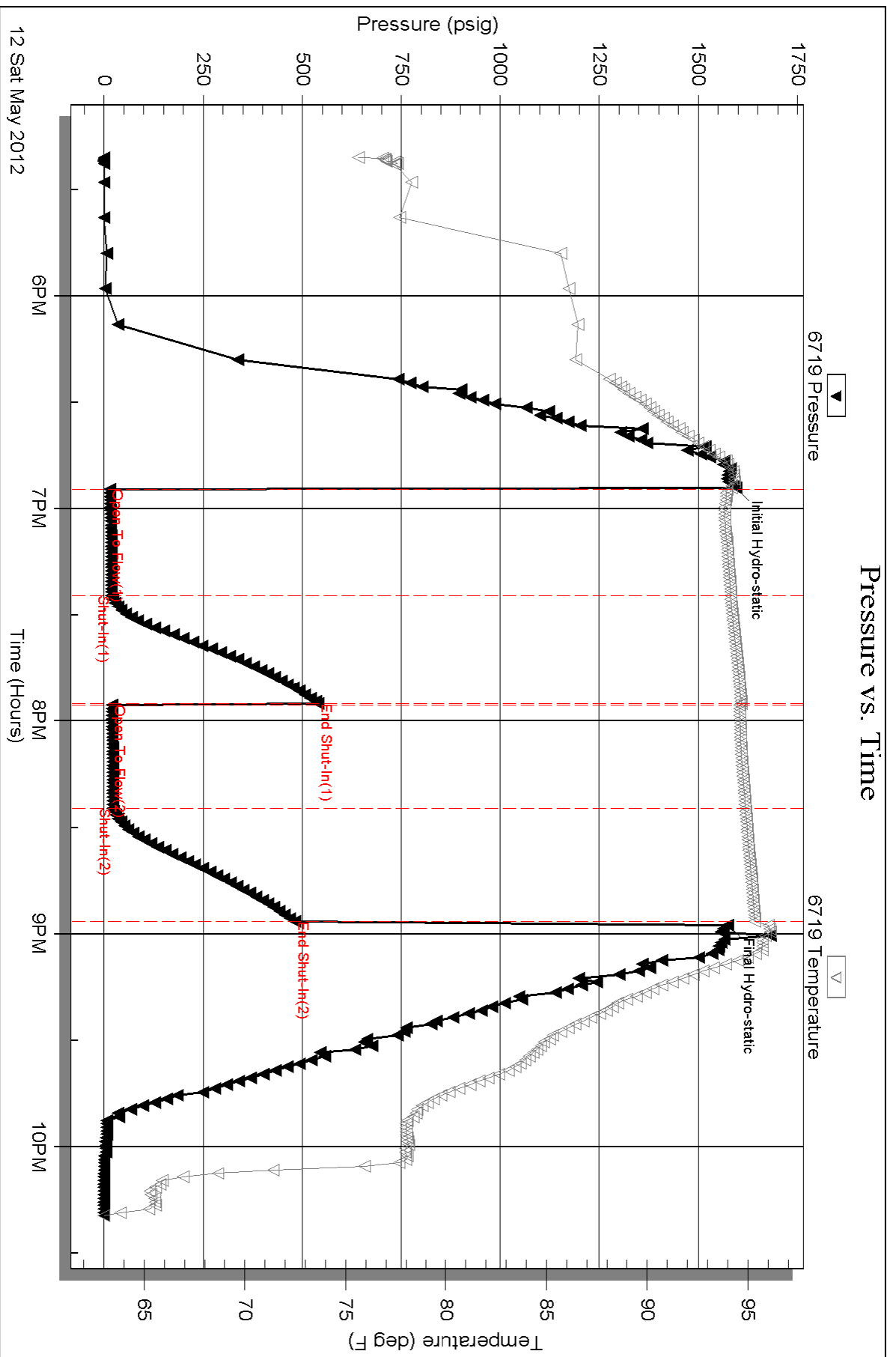
Serial #: 6719

Inside

John O Farmer Inc.

Keesee #1

DST Test Number: 3

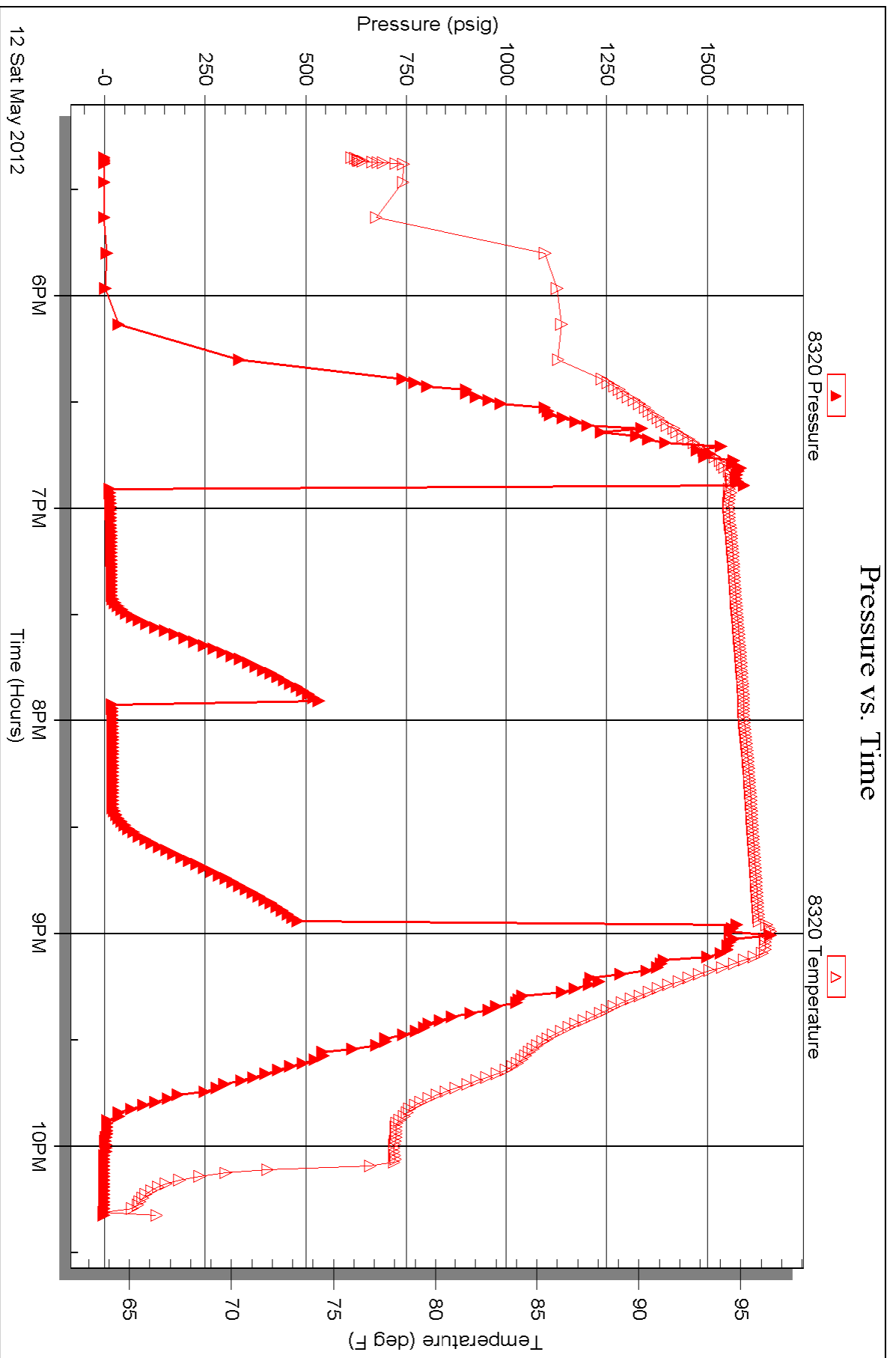


Serial #: 8320

Outside John O Farmer Inc.

Keesee #1

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46163

4/10

Well Name & No. Keesee #1 Test No. 1 Date 5-11-12
 Company John O Farmer Inc. Elevation 1934 KB 1926 GL
 Address 370 W. Wichita Ave. PO Box 352 Russell, KS 67665
 Co. Rep / Geo. Randy Kilian Rig Discovery #1
 Location: Sec. 19 Twp. 4s Rge. 18w Co. Phillips State KS

Interval Tested 3177 - 3229 Zone Tested LKC "C"
 Anchor Length 52 Drill Pipe Run 3137 Mud Wt. 8.9
 Top Packer Depth 3172 Drill Collars Run 31 Vis 60
 Bottom Packer Depth 3177 Wt. Pipe Run - WL 8.0
 Total Depth 3229 Chlorides 500 ppm System LCM 2

Blow Description IF: Blow built to 3/4"
ISI: Bled off, No blowback
FF: Blow started at 13min, built to 1/8"
FSI: Bled off, No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>33</u>	<u>Mud w/oil spots</u>	<u>2</u>	<u>6</u>	<u>-</u>	<u>92</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 33 BHT 97 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1542</u>	<input type="checkbox"/> Test <u>*</u> 1150	T-On Location <u>14:45</u>
(B) First Initial Flow <u>13</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>15:44</u>
(C) First Final Flow <u>23</u>	<input type="checkbox"/> Safety Joint <u>*</u>	T-Open <u>17:20</u>
(D) Initial Shut-In <u>1034</u>	<input checked="" type="checkbox"/> Circ Sub <u>*NA</u>	T-Pulled <u>19:21</u>
(E) Second Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>20:45</u>
(F) Second Final Flow <u>29</u>	<input type="checkbox"/> Mileage <u>138RT</u> 213.90	Comments
(G) Final Shut-In <u>989</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1515</u>	<input checked="" type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1363.90</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1360.9</u>	

Approved By _____ Our Representative James Winters

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46164

Well Name & No. Keesee #1 Test No. 2 Date 5-12-12
 Company John O Farmer, Inc. Elevation 1934 KB 1926 GL
 Address 370 W Wichita Ave. PO Box 352 Russell, KS 67665
 Co. Rep / Geo. Randy Kilian Rig Discovery #1
 Location: Sec. 19 Twp. 4s Rge. 18W Co. Phillips State KS

Interval Tested 3223 - 3265 Zone Tested LKC "E-6"
 Anchor Length 42 Drill Pipe Run 3199 Mud Wt. 8.9
 Top Packer Depth 3218 Drill Collars Run 31 Vis 60
 Bottom Packer Depth 3223 Wt. Pipe Run - WL 8.0
 Total Depth 3265 Chlorides 500 ppm System LCM 2

Blow Description IF: 1/4" Blow at open, built to 1 1/2"
ISI: Bled off, No blowback
FF: Blow started at 8 min., built to 3/8"
FSI: Bled off, No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>Mud w/oil spots</u>	<u>1</u>	<u>2</u>	<u>-</u>	<u>97</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 35 BHT 96 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1580 Test * 1150 T-On Location 3:10
 (B) First Initial Flow 14 Jars T-Started 3:35
 (C) First Final Flow 25 Safety Joint * T-Open 5:02
 (D) Initial Shut-In 986 Circ Sub ANA T-Pulled 7:04
 (E) Second Initial Flow 27 Hourly Standby T-Out 8:15
 (F) Second Final Flow 30 Mileage 138 RT 213.90 Comments Tool slid 2' to
 (G) Final Shut-In 931 Sampler - bottom before open -
 (H) Final Hydrostatic 1565 Straddle - No mud loss
 Shale Packer - Ruined Shale Packer -
 Extra Packer - Ruined Packer -
 Extra Recorder - Extra Copies -

Initial Open 30 Sub Total 0
 Initial Shut-In 30 Total 1363.90
 Final Flow 30 MP/DST Disc't -
 Final Shut-In 30 Sub Total 1363.90

Approved By _____ Our Representative Jamie Winkler

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46165

4/10

Well Name & No. Keesee #1 Test No. 3 Date 5-12-12
 Company John O Farmer, Inc. Elevation 1934 KB 1926 GL _____
 Address 370 W. Wichita Ave PO Box 352 Russell, KS 67665
 Co. Rep / Geo. Randy Kilian Rig Discovery #1
 Location: Sec. 19 Twp. 4s Rge. 18w Co. Phillips State KS

Interval Tested 3261-3360 Zone Tested LKC "H-K"
 Anchor Length 99 Drill Pipe Run 3230 Mud Wt. 9.1
 Top Packer Depth 3256 Drill Collars Run 31 Vis 56
 Bottom Packer Depth 3261 Wt. Pipe Run - WL 8.8
 Total Depth 3360 Chlorides 1000 ppm System LCM 2
 Blow Description IF: Blow built to 1/2" then died back, dead at 24 min.
ISI: No blowback
FF: No blow
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>Mud w/trace of Oil</u>	<u>-</u>	<u>trace</u>	<u>-</u>	<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25 BHT 95 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1595</u>	<input type="checkbox"/> Test <u>*</u> 1150	T-On Location <u>16:30</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>17:21</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>18:54</u>
(D) Initial Shut-In <u>540</u>	<input checked="" type="checkbox"/> Circ Sub <u>*</u>	T-Pulled <u>20:56</u>
(E) Second Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Hourly Standby <u>NA</u>	T-Out <u>22:15</u>
(F) Second Final Flow <u>22</u>	<input type="checkbox"/> Mileage <u>138RT</u> 213.90	Comments _____
(G) Final Shut-In <u>481</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1574</u>	<input checked="" type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1363.90</u>
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1363.90</u>	

Approved By _____ Our Representative James Winter

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.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 07, 2012

Marge Schulte
Farmer, John O., Inc.
370 W WICHITA AVE
PO BOX 352
RUSSELL, KS 67665-2635

Re: ACO1
API 15-147-20673-00-00
Keesee 1
SW/4 Sec.19-04S-18W
Phillips County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Marge Schulte