

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1350987
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: _____

1350987

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
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	IA Operating, Inc.
Well Name	TEEL 7-1
Doc ID	1350987

All Electric Logs Run

CDN
Dual Induction
Micro
Sonic

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 3085

Date	11-30-16	Sec.	7	Twp.	6	Range	25	County	Corraham	State	KS	On Location		Finish	10:30 am
------	----------	------	---	------	---	-------	----	--------	----------	-------	----	-------------	--	--------	----------

Location Stodley East Svc 130 CLR 120 EINTO

Lease Teel Well No. 7-1 Owner

Contractor Discovery #2 To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job Surface Charge To J.A. Operating

Hole Size 12 1/4 T.D. 306 Street

Csg. 8 5/8 Depth 306 City State

Tbg. Size Depth City State

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

Cement Left in Csg. 15' Shoe Joint Cement Amount Ordered 170 #120 3/CL 2-6EL

Meas Line Displace 18 1/2 BCL

EQUIPMENT

Pumptrk	20	No.	Cementer	Common	136
			Helper	Poz. Mix	34
Bulktrk		No.	Driver	Gel.	3
			Driver	Calcium	6

JOB SERVICES & REMARKS

Remarks: Halls

Rat Hole Salt

Mouse Hole Flowseal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

8 5/8 on bottom. Est. Circulation Handling 179

Mix 170 SK 4 Displace Mileage

Cement Circulated

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

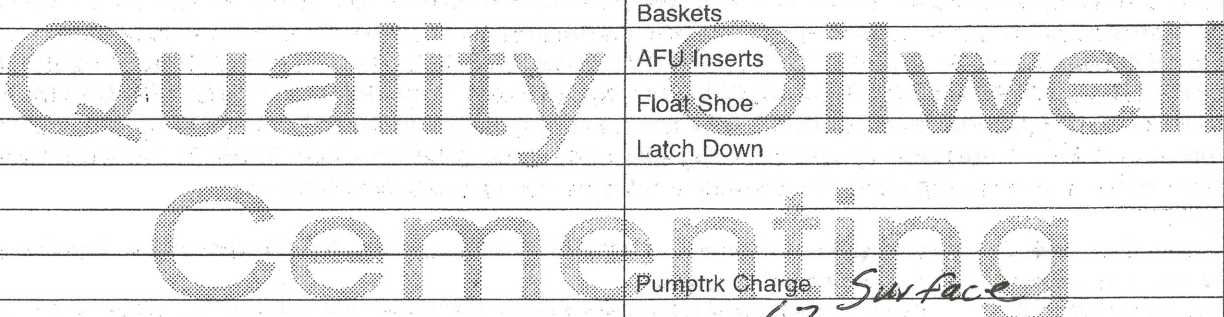
Latch Down

Pumptrk Charge Surface

Mileage 67

X Signature [Handwritten Signature]

Tax	
Discount	
Total Charge	



GLOBAL OIL FIELD SERVICES, LLC

2778

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>12-6-16</u>	SEC <u>7</u>	TWP. <u>T16</u>	RANGE <u>S</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Teel</u>	WELL # <u>71</u>	LOCATION <u>Stuckley 13 N</u>			COUNTY <u>Coffey</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR <u>DUS COOPER</u>	OWNER
TYPE OF JOB <u>PLUG</u>	
HOLE SIZE	T.D.
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2"</u>	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS	
DISPLACEMENT	
EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Bill</u>
#	HELPER <u>JASON</u>
BULK TRUCK	
#	DRIVER <u>JR</u>
BULK TRUCK	
#	DRIVER

CEMENT AMOUNT ORDERED	
<u>255 lbs 69410 4% gel</u>	
<u>7 lb F10 5661</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	
TOTAL	

REMARKS:

<u>dot plug @ 2125 w/ 50 lbs</u>
<u>2nd plug @ 1340 w/ 100 lbs</u>
<u>3rd plug @ 350 w/ 50 lbs</u>
<u>4th plug @ 40 w/ 10 lbs</u>
<u>30 lbs RH</u>
<u>15 lbs MH</u>

CHARGE TO: I. A. Operating
STREET 9915 W. 21st. Suite B
CITY Wichita STATE KS ZIP 67205

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

PRINTED NAME Joe Welch
SIGNATURE _____

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@
TOTAL	

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@
	@
TOTAL	

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: TEEL71DST1

TIME ON: 14:17
 TIME OFF: 21:28

Company IA Operatinng, Inc. Lease & Well No. Teel #7-1
 Contractor Discovery Drilling Rig # 2 Charge to IA Operating, Inc.
 Elevation 2526' KB Formation L/KC "A-F" Effective Pay _____ Ft. Ticket No. F457
 Date 12/4/16 Sec. 7 Twp. _____ 6 S Range _____ 25 W County Graham State KANSAS
 Test Approved By Jeff Lawler Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 3604 ft. to 3700 ft. Total Depth 3700 ft.
 Packer Depth 3599 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3604 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3610 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3611 ft. Recorder Number 5586 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 (2# LCM) Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 6.4 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
 Chlorides 1,000 P.P.M. Drill Pipe Length 3,337 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 96 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong blow, increased to BOB in 4 minutes. Surface blowback.
 2nd Open: Strong blow, increased to BOB in 4.5 minutes. No blowback.

Recovered 360 ft. of MCW 75% wtr, 25% mud
 Recovered 1,210 ft. of Water 100% wtr
 Recovered _____ ft. of _____
 Recovered _____ ft. of No noticeable gas in pipe.
 Recovered _____ ft. of (Tools had show of oil inside)

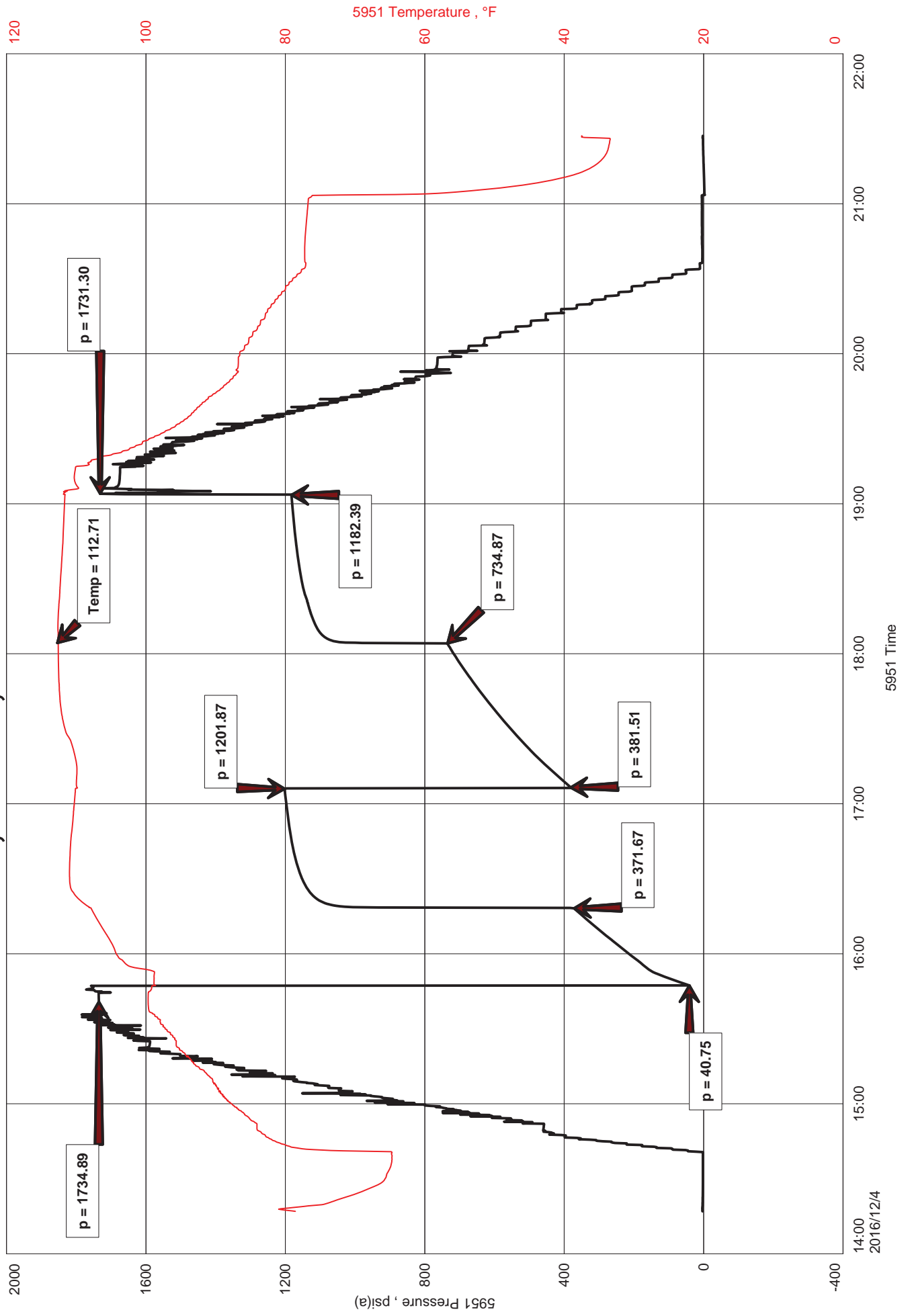
Remarks: TOTAL RECOVERED FLUID: 1570'
Chlorides: 93,000 PPM
RW: .18 ohm @ 33 F PH: 6.0

Time Set Packer(s) 15:50 A.M. P.M. Time Started Off Bottom 19:05 A.M. P.M. Maximum Temperature 113 F

Initial Hydrostatic Pressure..... (A) 1735 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 41 P.S.I. to (C) 372 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1202 P.S.I.
 Final Flow Period..... Minutes 60 (E) 382 P.S.I. to (F) 735 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1182 P.S.I.
 Final Hydrostatic Pressure..... (H) 1731 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

TEEL #7-1, DST #1, L/KC "A-F" 3604'-3700'





DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: TEEL7IDST1

ON LOCATION:	<u>13:36</u>
START RECORDERS:	<u>14:17</u>
STOP RECORDERS:	<u>21:28</u>

Company IA OPERATING INC Lease & Well No. TEEL^{#7}-1
 Contractor DISCOVERY DRUG REG #2 Charge to IA OPERATING INC
 Elevation 2526' KB Formation L/KC "A-F" Effective Pay _____ Ft. Ticket No. F457
 Date 12-4-16 Sec. 7 Twp. 6S Range 25W County GRAHAM State KS
 Test Approved By _____ Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 3604 ft. to 3700 ft. Total Depth 3700 ft.
 Packer Depth 3599 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3604 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3610 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3611 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 (2" 2CM) Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 6.4 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
 Chlorides 1000 P.P.M. Drill Pipe Length 3337 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 96 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' PERF IN ANCHOR Surface Choke Size _____ in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW, INC TO BOB IN 4 MIN. SURFACE BLOWBACK.
 2nd Open: STRONG BLOW, INC TO BOB IN 4 1/2 MIN. NO BLOWBACK.

Recovered 360' ft. of MCW 75" WTR, 25" MUD
 Recovered 1210' ft. of WATER 100" WTR

Recovered _____ ft. of _____
 Recovered _____ ft. of NO NOTICEABLE GAS IN PIPE
 Recovered _____ ft. of (TOOLS HAD SHOW OF OIL INSIDE)
 Recovered _____ ft. of _____

Remarks: TOTAL RECOVERED FLUID: 1570'
CHLORIDES: 93,000 PPM 272 MRT (HOIS)
RW: .18 SL @ 33°F PH: 6.0
 Total _____

Time Set Packer(s) 15:50 A.M. P.M. Time Started Off Bottom 19:05 A.M. P.M. Maximum Temperature 113°F

Initial Hydrostatic Pressure..... (A) 1735 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 41 P.S.I. to (C) 372 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1202 P.S.I.
 Final Flow Period..... Minutes 60 (E) 382 P.S.I. to (F) 735 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1182 P.S.I. Thanks!
 Final Hydrostatic Pressure..... (H) 1731 P.S.I. Jacob J. Fahrenbruch

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DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Teel #7-1
Company Name	IA Operating, INC
Formation	DST #1, L/KC "A-F" 3604'-3700'
Test Type	Bottom-Hole
Surface Location	Sec 7-6s-25w-Graham Co.-KS
KB Elevation (SL)	2526.000
Gauge Name	5951
Start Test Date	2016/12/04
Start Test Time	14:17:00
Final Test Date	2016/12/04
Final Test Time	21:28:00
Job Number	F457
Contact	Jonathan Allen
Site Contact	Jeff Lawler

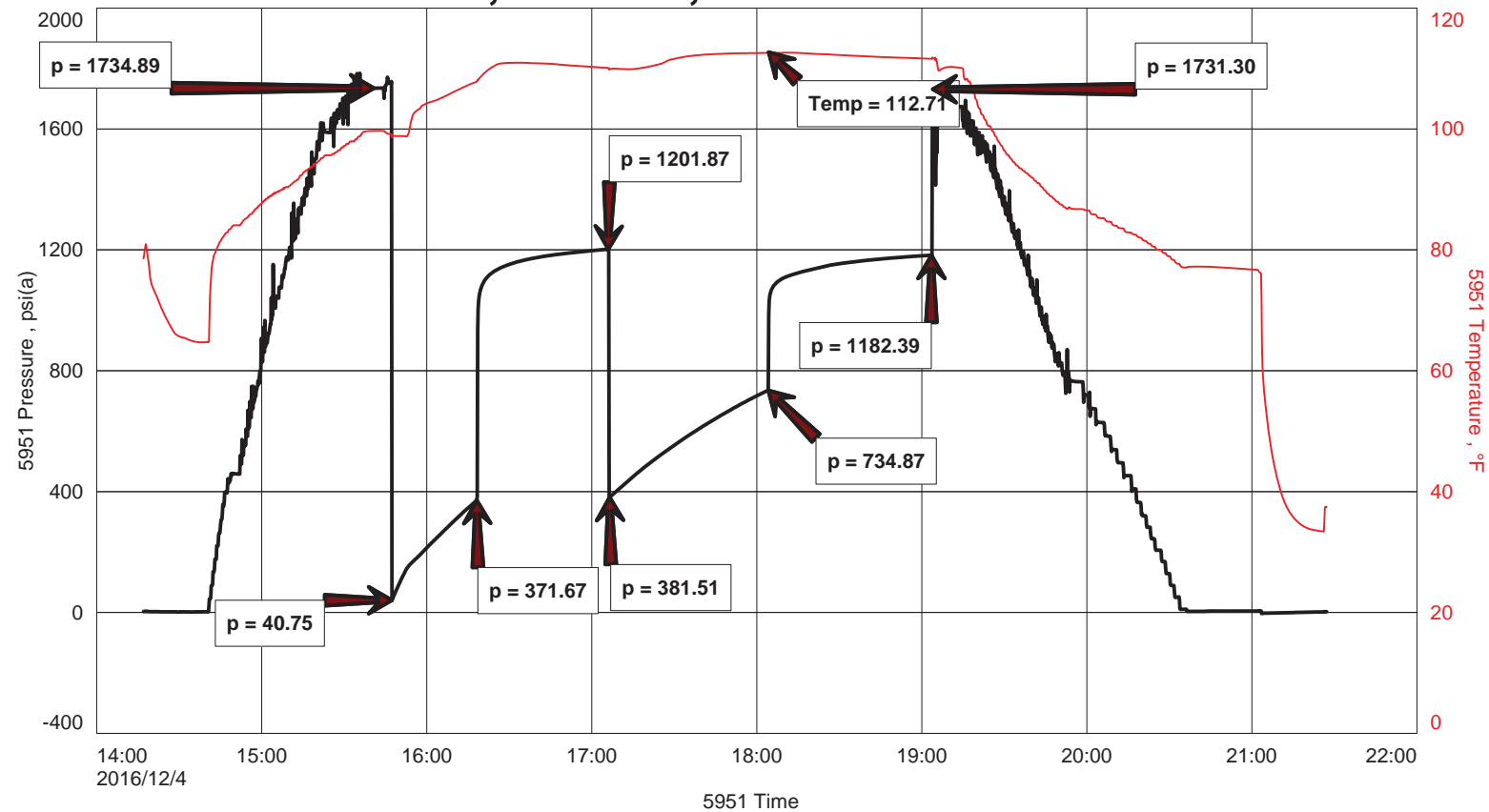
TEST RESULTS

Initial flow, strong blow, increased to BOB in 4 minutes. Surface blowback.
 Final flow, strong blow, increased to BOB in 4.5 minutes. No blowback.

TOTAL RECOVERED FLUID: 1570'

- 360' MCW 75% wtr, 25% mud
- 1210' Water 100% wtr
- No noticeable gas in pipe
- Chlorides: 93,000 PPM
- RW: .18 ohm @ 33 F
- PH: 6.0
- (Tools had show of oil inside)

TEEL #7-1, DST #1, L/KC "A-F" 3604'-3700'





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: TEEL71DST2

TIME ON: 08:23
TIME OFF: 14:37

Company IA Operatinng, Inc. Lease & Well No. Teel #7-1
Contractor Discovery Drilling Rig # 2 Charge to IA Operating, Inc.
Elevation 2526' KB Formation L/KC "H-K" Effective Pay _____ Ft. Ticket No. F458
Date 12/5/16 Sec. 7 Twp. _____ 6 S Range _____ 25 W County Graham State KANSAS
Test Approved By Jeff Lawler Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3708 ft. to 3775 ft. Total Depth 3775 ft.
Packer Depth 3703 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3708 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3715 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3716 ft. Recorder Number 5586 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2# LCM) Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
Chlorides 1,200 P.P.M. Drill Pipe Length 3,441 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length 67 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 33' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

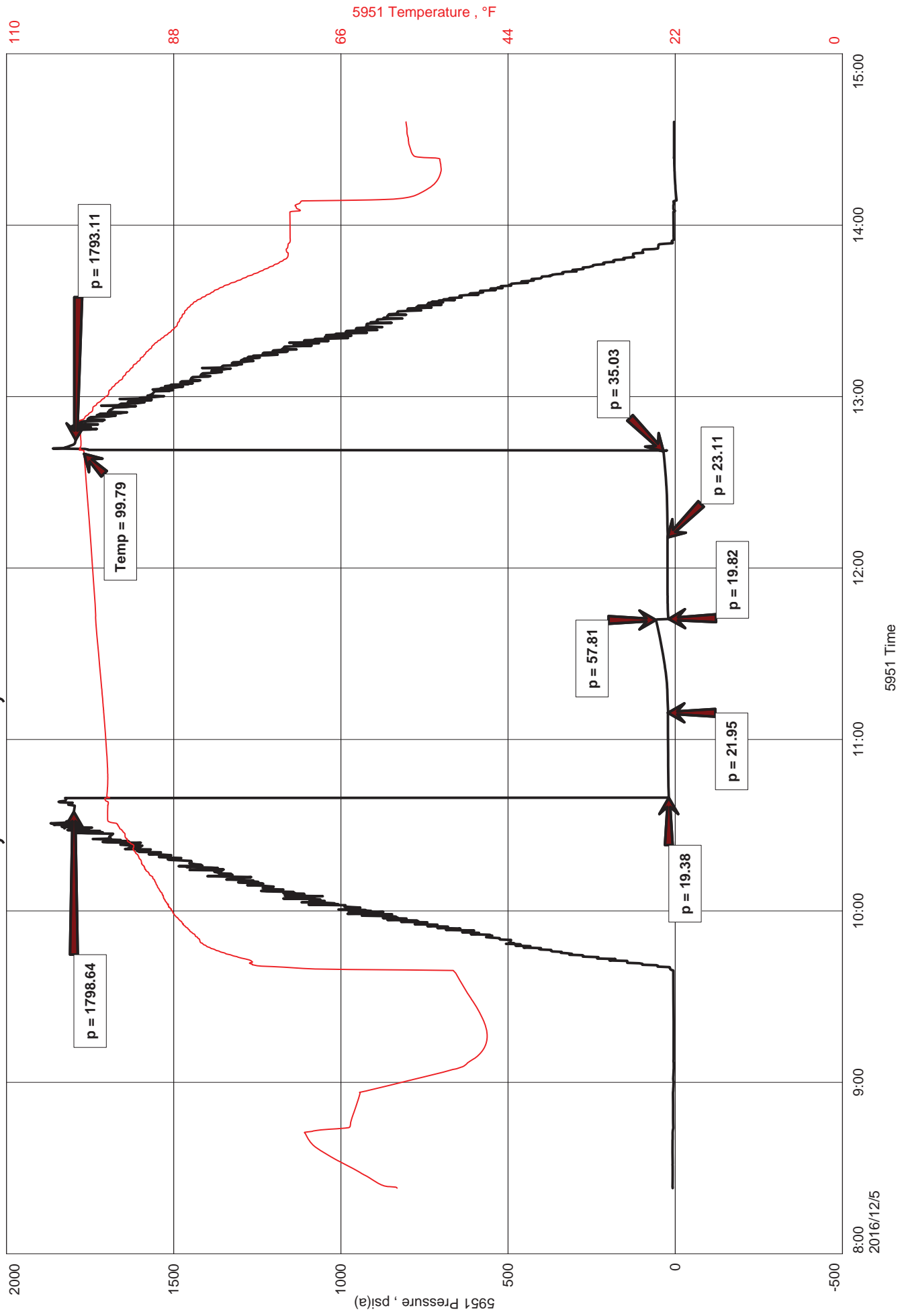
Blow: 1st Open: Weak blow, increased to 1". No blowback.
2nd Open: Weak surface blow, blow died. No blowback.

Recovered <u>15</u> ft. of <u>SOSM</u> <u><1% oil, >99% mud</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 10:40 A.M. P.M. Time Started Off Bottom 12:40 A.M. P.M. Maximum Temperature 100 F
Initial Hydrostatic Pressure..... (A) 1799 P.S.I.
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 22 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 58 P.S.I.
Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.
Final Closed In Period..... Minutes 30 (G) 35 P.S.I.
Final Hydrostatic Pressure..... (H) 1793 P.S.I.

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TEEL #7-1, DST #2, L/KC "H-K" 3708'-3775'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
 DRILL-STEM TEST TICKET
 FILE: TEEL 71 D572

ON LOCATION: 08:06
 START RECORDERS: 08:23
 STOP RECORDERS: 14:37

Company I A OPERATING, INC. Lease & Well No. TEEL #7-1
 Contractor DISCOVERY DRLG REG #2 Charge to I A OPERATING, INC.
 Elevation 2526' NB Formation L/KC "H-K" Effective Pay _____ Ft. Ticket No. F458
 Date 12/5/16 Sec. 7 Twp. 65 Range 25 W County GRAHAM State KS
 Test Approved By JEFF LAWLER Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3708 ft. to 3775 ft. Total Depth 3775 ft.
 Packer Depth 3703 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3708 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3715 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3716 ft. Recorder Number 5586 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2#LCM) Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
 Chlorides 1200 P.P.M. Drill Pipe Length 3441 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 67 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 33' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 1". NO BLOWBACK.
 2nd Open: WEAK SURFACE BLOW, BLOW DIED. NO BLOWBACK.

Recovered 15 ft. of SOSM <1" oil, >99" mud

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Price Job _____
 Other Charges _____
 Total 70 MRT (NORTON)

Time Set Packer(s) 10:40 A.M. P.M. Time Started Off Bottom 12:40 A.M. P.M. Maximum Temperature 100 °F
 Initial Hydrostatic Pressure..... (A) 1799 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 22 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 58 P.S.I.
 Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 35 P.S.I. Thanks!
 Final Hydrostatic Pressure..... (H) 1793 P.S.I. [Signature]

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

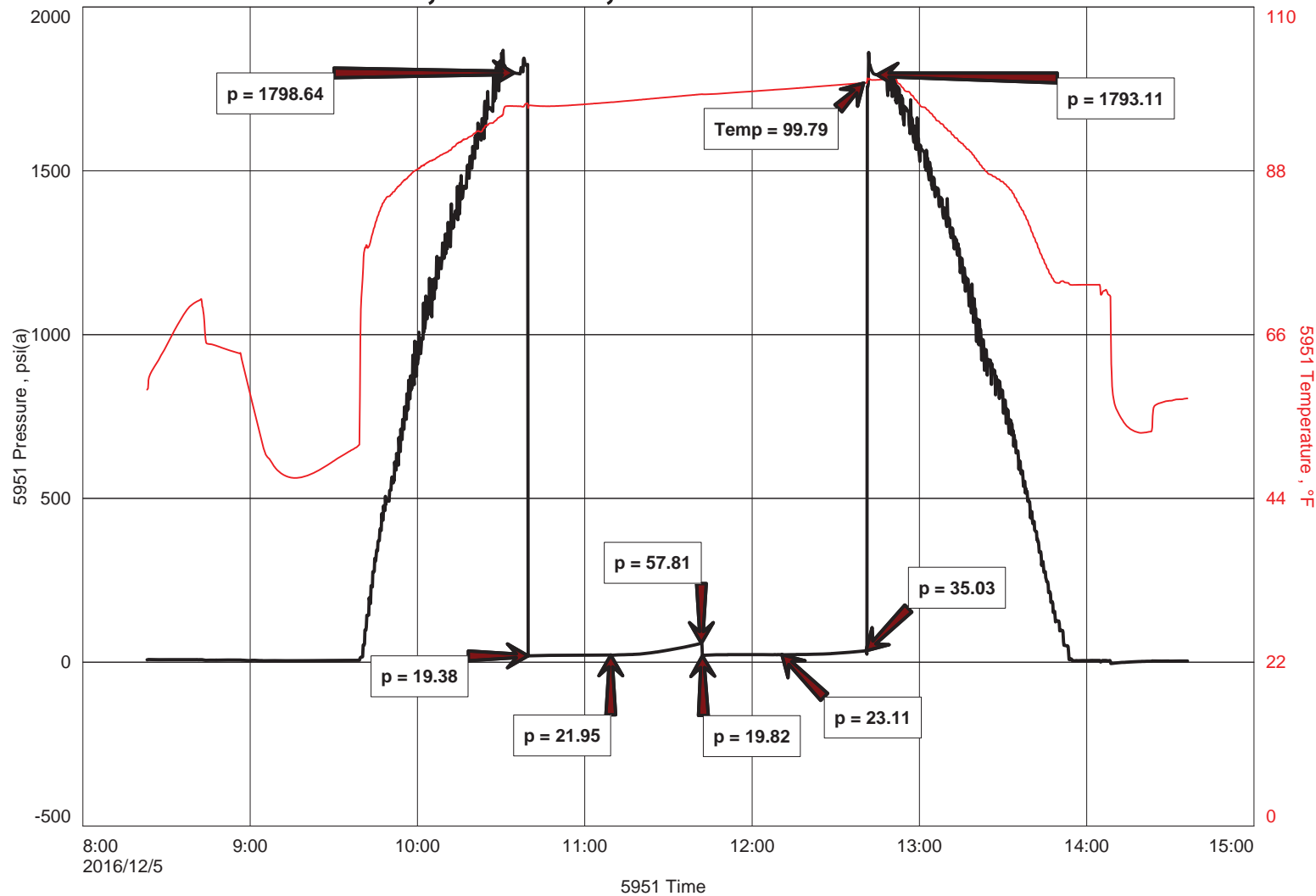
Well Name	Teel #7-1
Company Name	IA Operating, Inc.
Formation	DST #2, L/KC "H-K" 3708'-3775'
Test Type	Bottom-Hole
Surface Location	Sec 7-6s-25w-Graham Co.-KS
KB Elevation (SL)	2526.000
Gauge Name	5951
Start Test Date	2016/12/05
Start Test Time	08:23:00
Final Test Date	2016/12/05
Final Test Time	14:37:00
Job Number	F458
Contact	Jonathan Allen
Site Contact	Jeff Lawler

TEST RESULTS

Initial flow, weak blow, increased to 1". No blowback.
 Final flow, weak surface blow, blow died. No blowback.

Recovered 15' of SOSM, <1% oil, >99% mud

TEEL #7-1, DST #2, L/KC "H-K" 3708'-3775'



Scale 1:240 Imperial

Well Name: TEEL #7-1
Surface Location: S2 NW SW NE Section 7-6S-25W
Bottom Location:
API: 15-065-24124
License Number: 33335
Spud Date: 11/30/2016 Time: 12:00 AM
Region: GRAHAM COUNTY KANSAS
Drilling Completed: 12/5/2016 Time: 12:00 AM
Surface Coordinates: 1978 FNL & 2310 FEL
Bottom Hole Coordinates:
Ground Elevation: 2518.00ft
K.B. Elevation: 2526.00ft
Logged Interval: 3200.00ft To: 3853.00ft
Total Depth: 3849.00ft
Formation: LANSING - KANSAS CITY
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: IA OPERATING, INC.
Address: 9915 W 21ST ST.
SUITE B
WICHITA, KS 67205
Contact Geologist: JONATHAN ALLEN
Contact Phone Nbr: (316) 721-0036
Well Name: TEEL #7-1
Location: S2 NW SW NE Section 7-6S-25W
API: 15-065-24124
Pool: KANSAS Field: WILDCAT
State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -100.1514446
Latitude: 39.5470466
N/S Co-ord: 1978 FNL
E/W Co-ord: 2310 FEL

LOGGED BY



Company: BIG CREEK CONSULTING, INC.
Address: 1909 MAPLE
ELLIS, KS 67637
Phone Nbr: (785) 259-3737
Logged By: GEOLOGIST Name: JEFF LAWLER

CONTRACTOR

Contractor: DISCOVERY DRILLING
Rig #: 2
Rig Type: MUD ROTARY
Spud Date: 11/30/2016 Time: 12:00 AM
TD Date: 12/5/2016 Time: 12:00 AM
Rig Release: 12/6/2016 Time: 2:00 PM

ELEVATIONS

K.B. Elevation: 2526.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 2518.00ft

NOTES

DUE TO LACK OF ECONOMICAL RECOVERY ON BOTH DST'S THE TEEL #7-1 WAS PLUGGED & ABANDONED.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

	TEEL #7-1				N2 SE SE NE 18-6-25				SE NE SE NW 17-6-25				NE SW 6-6-25				NW NW SW 5-6-25			
	KB		GL		KB		2583		KB		2570		KB		2520		KB		2480	
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	COMP. CARD	LOG	SMPL.
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
FORMATION	2109	417	2109	417	2167	416			2152	418			2115	405			2070	410		
ANHYDRITE TOP	2141	385	2143	383	2199	384			2184	386										
BASE	3422	-896	3422	-896	3472	-889	- 7	- 7	3463	-893	- 3	- 3								
TOPEKA	3578	-1052	3575	-1049	3628	-1045	- 7	- 4	3620	-1050	- 2	+ 1	3568	-1048	- 4	- 1	3537	-1057	+ 5	+ 8
HEEBNER SHALE	3601	-1075	3595	-1069	3650	-1067	- 8	- 2	3640	-1070	- 5	+ 1	3590	-1070	- 5	+ 1	3555	-1075	+ 0	+ 6
TORONTO	3617	-1091	3612	-1086	3667	-1084	- 7	- 2	3658	-1088	- 3	+ 2	3606	-1086	- 5	+ 0	3571	-1091	+ 0	+ 5
LKC	3803	-1277	3798	-1272	3852	-1269	- 8	- 3	3846	-1276	- 1	+ 4	3789	-1269	- 8	- 3	3765	-1285	+ 8	+ 13
BKC																	3963	-1483		
CONGLOMERATE																	4014	-1534		
ARBUCKLE																				
TOTAL DEPTH	3852	-1326	3849	-1323	3903	-1320	- 6	- 3	3918	-1348	+ 22	+ 25	3840	-1320	- 6	- 3	4034	-1554	+ 228	+ 231

DST #1 LKC A-G 3604' - 3700'



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: TEEL71DST1

TIME ON: 14:17

TIME OFF: 21:28

Company IA Operatinng, Inc. Lease & Well No. Teel #7-1
Contractor Discovery Drilling Rig # 2 Charge to IA Operating, Inc.
Elevation 2526' KB Formation L/KC "A-F" Effective Pay _____ Ft. Ticket No. F457
Date 12/4/16 Sec. 7 Twp. _____ 6 S Range _____ 25 W County Graham State KANSAS
Test Approved By Jeff Lawler Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 3604 ft. to 3700 ft. Total Depth 3700 ft.
Packer Depth _____ 3599 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ 3604 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 3610 ft. Recorder Number _____ 5951 Cap. _____ 5000 P.S.I.
Bottom Recorder Depth (Outside) _____ 3611 ft. Recorder Number _____ 5586 Cap. _____ 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 (2# LCM) Drill Collar Length _____ 0 ft. I.D. _____ 2 1/4 in.
Weight 9.3 Water Loss 6.4 cc. Weight Pipe Length _____ 247 ft. I.D. _____ 2 7/8 in.
Chlorides _____ 1,000 P.P.M. Drill Pipe Length _____ 3,337 ft. I.D. _____ 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ 20 ft. Tool Size 3 1/2-IF in.

Did Well Flow? _____ Reversed Out _____ Anchor Length _____ 96 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size _____ 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong blow, increased to BOB in 4 minutes. Surface blowback.

2nd Open: Strong blow, increased to BOB in 4.5 minutes. No blowback.

Recovered _____ 360 ft. of MCW _____ 75% wtr, 25% mud

Recovered _____ 1,210 ft. of Water _____ 100% wtr

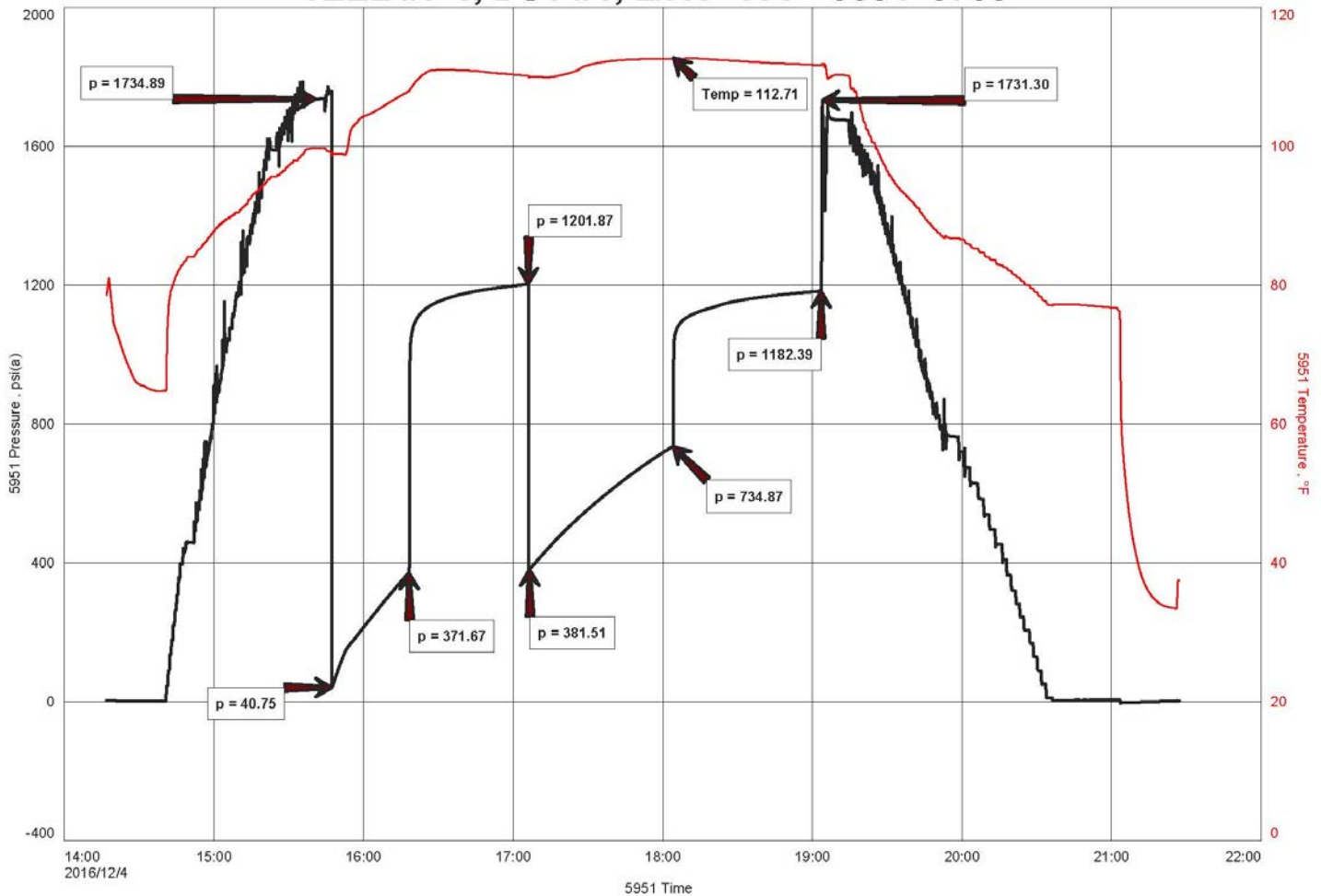
Recovered _____ ft. of _____	
Recovered _____ ft. of No noticeable gas in pipe.	
Recovered _____ ft. of (Tools had show of oil inside)	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: TOTAL RECOVERED FLUID: 1570'	Insurance
Chlorides: 93,000 PPM	
RW: .18 ohm @ 33 F	Total

Time Set Packer(s) 15:50	A.M.	Time Started Off Bottom 19:05	A.M.	Maximum Temperature 113 F
	P.M.		P.M.	
Initial Hydrostatic Pressure..... (A)		1735 P.S.I.		
Initial Flow Period..... Minutes 30	(B)	41 P.S.I. to (C)		372 P.S.I.
Initial Closed In Period..... Minutes 45	(D)	1202 P.S.I.		
Final Flow Period..... Minutes 60	(E)	382 P.S.I. to (F)		735 P.S.I.
Final Closed In Period..... Minutes 60	(G)	1182 P.S.I.		
Final Hydrostatic Pressure..... (H)		1731 P.S.I.		

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DST #1 LKC A-G 3604' - 3700'

TEEL #7-1, DST #1, L/KC "A-F" 3604'-3700'





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: TEEL71DST2

TIME ON: 08:23

TIME OFF: 14:37

Company IA Operatinng, Inc. Lease & Well No. Teel #7-1
 Contractor Discovery Drilling Rig # 2 Charge to IA Operating, Inc.
 Elevation 2526' KB Formation L/KC "H-K" Effective Pay _____ Ft. Ticket No. F458
 Date 12/5/16 Sec. 7 Twp. _____ 6 S Range _____ 25 W County Graham State KANSAS
 Test Approved By Jeff Lawler Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 3708 ft. to 3775 ft. Total Depth 3775 ft.
 Packer Depth 3703 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3708 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3715 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3716 ft. Recorder Number 5586 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 (2# LCM) Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 247 ft. I.D. 2 7/8 in.
 Chlorides 1,200 P.P.M. Drill Pipe Length 3,441 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 67 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{33' PERF IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

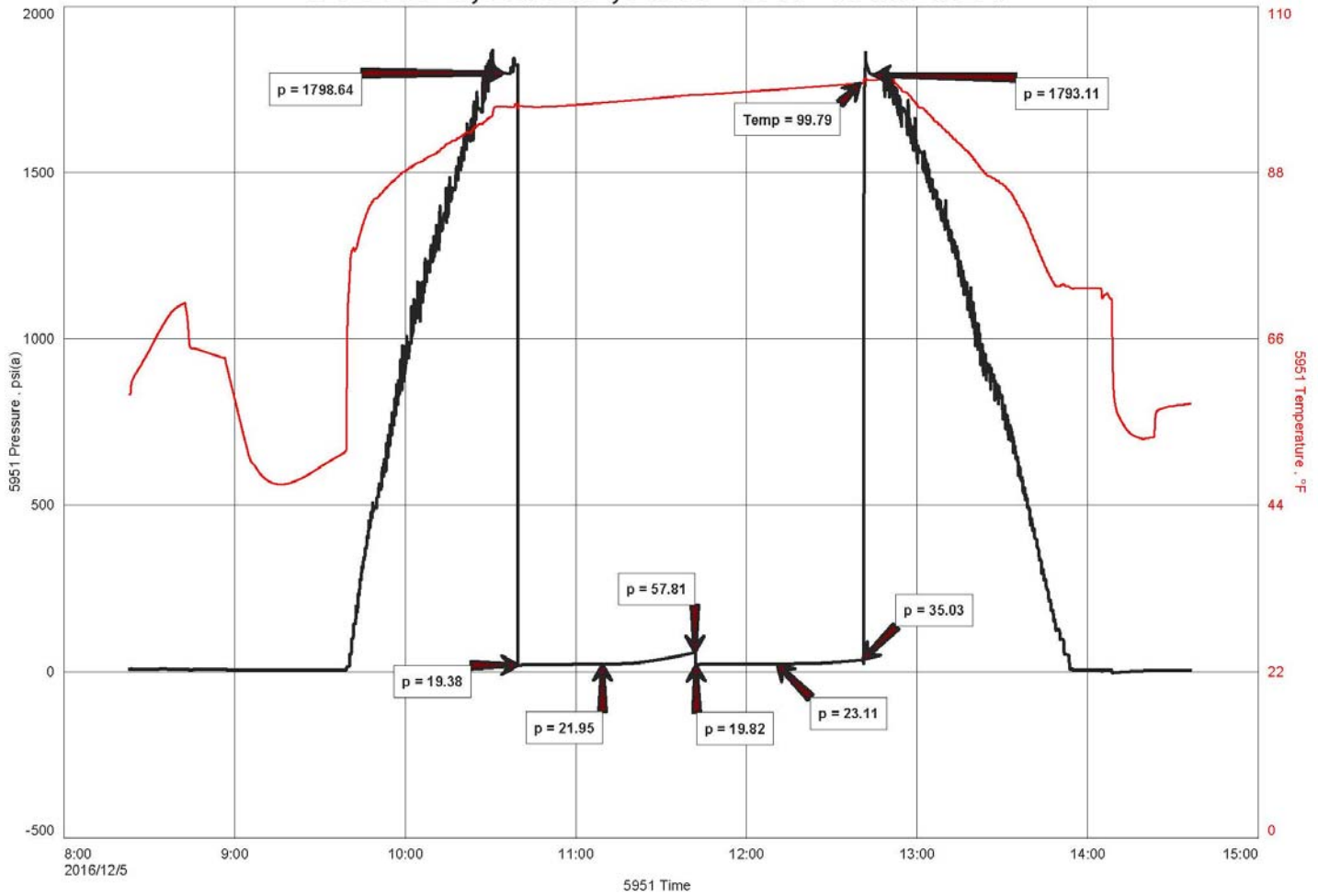
Blow: 1st Open: Weak blow, increased to 1". No blowback.
 2nd Open: Weak surface blow, blow died. No blowback.

Recovered <u>15</u> ft. of <u>SOSM</u>	<u><1% oil, >99% mud</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 10:40 A.M. P.M. Time Started Off Bottom 12:40 A.M. P.M. Maximum Temperature 100 F
 Initial Hydrostatic Pressure..... (A) 1799 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 22 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 58 P.S.I.
 Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 23 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 35 P.S.I.
 Final Hydrostatic Pressure..... (H) 1793 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

TEEL #7-1, DST #2, L/KC "H-K" 3708'-3775'



C:\Users\Diamond Testing\Desktop\Drill-stem Test\teel71dst2.fkt 05-Dec-16 Ver



ROCK TYPES

	Lmst fw7>		shale, gry		shale, red
	shale, grn		Carbon Sh		Shcol

ACCESSORIES

STRINGER

Sandstone

OTHER SYMBOLS

MISC

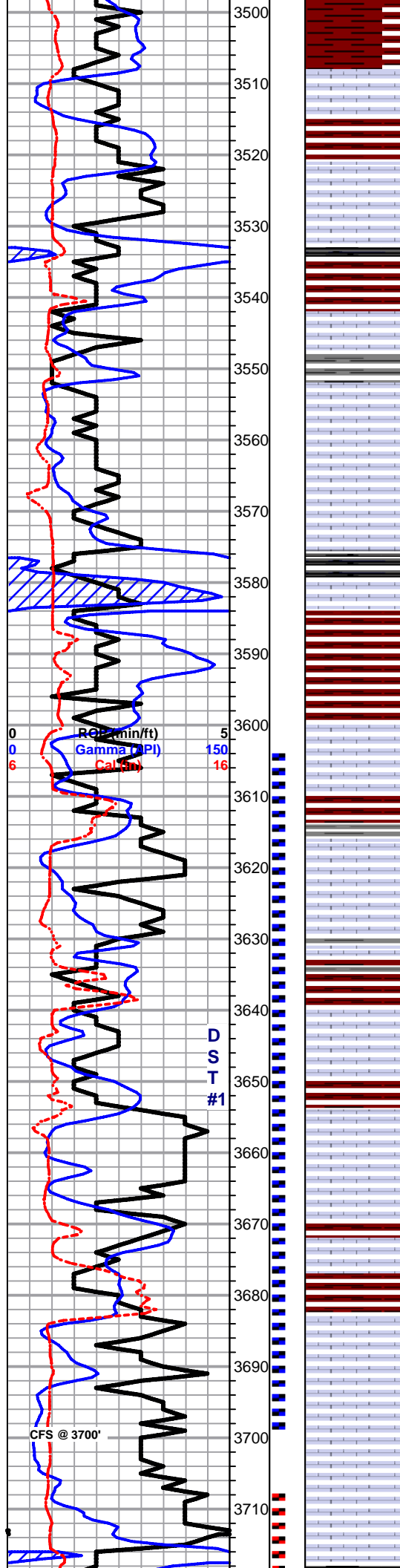
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt

Curve Track #1						Curve Track #3
ROP (min/ft)		Intervals				
Gamma (API)						
Cal (in)						

Depth	DST	Lithology	Oil Show	Geological Descriptions
Cored Interval	DST Interval			
0				1:240 Imperial
0				ROP (min/ft)
0				Gamma (API)
6				Cal (in)
5				150
16				16
3310				<p>1' DRILL TIME THROUGH ANHYDRITE FROM 2090' - 2160' 1' DRILL TIME FROM 3300' - RTD 10' WET/DRY SAMPLES FROM 3350' - RTD</p> <p>GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3300' - RTD</p> <p>8 5/8" SURFACE PIPE SET @ 305' SURVEY 1/4 dgr.</p> <p>ANHYDRITE TOP 2109' (+417) E-LOG 2109' (+417) ANHYDRITE BASE 2143' (+383) E-LOG 2141' (+385)</p>
3320				
3330				
3340				
3350				Lm- Gray Cream, FXLN, well cemented, sl fsl, mostly tight w/ sctrd XLN porosity, few grainy
3360				Sh- Maroon Gray Mint Green, gritty & earthy, silty & calcareous, waxy
3370				
3380				Lm- Off White, FXLN, dense, well cemented, tight w/ sctrd XLN porosity, some chalky in part, some w/ maroon tint
3390				Lm- Off White, MED XLN, massive, oolitic & fsl, mod. well dev. w/ dense XLN & secondary porosity, sctrd clear replacement cementation, vry clean, much soft white chalk
3400				Lm- A/A
0				ROP (min/ft)
0				Gamma (API)
6				Cal (in)
5				150
16				16
3410				Lm- Off White, VF-FXLN, dense, well cemented, fsl w/ sctrd XLN porosity, vry clean & barren
3420				
3430				TOPEKA 3422' (-896) E-LOG 3422' (-896) Lm- Buff Cream, FXLN, fsl, sctrd mottling, sctrd glauconite, sctrd XLN porosity, some chalky in part, few trashy bioclastics
3440				Lm- Off White, VFXLN, dense, well cemented, gritty cherty Ls w/ no vis. porosity, much soft white chalk
3450				Lm- Frosted, Fn Grn, well cemented, sorted & consolidated arenaceous Ls w/ consistent intergranular porosity, barren
3460				Lm- Cream Buff, VF-FXLN, dense, well cemented, mostly tight, fsl, sctrd XLN porosity
3470				Sh- Black Maroon Green, fissile & carbonaceous, abundant argillaceous wash, gritty & earthy, dense & waxy
3480				Sh- Maroon/Brown, abundant sandy wash & shaley Ss/sandy shale
3490				Sh- Maroon, gritty & earthy
				1:240 Imperial



Lm- Cream Buff, FXLN, dense, well cemented, sctrd XLN porosity & clear replacement cementation

Lm- Cream Tan, FXLN, fsl, dense XLN porosity, barren, some soft white chalk

Sh- Black Maroon Gray, fissile & carbonaceous, gritty & earthy, soft & calcareous

Lm- White Cream, abundant soft white chalk, VFXLN, dense, vry well cemented, tight porcelain like Ls w/ no vis. porosity

Lm- Off White, Fn Grn, loosely cemented, sl chalky, consistent intergranular porosity, vry clean & barren

Lm- Gray, FXLN, dense, well cemented, sl fsl, sctrd XLN porosity & clear replacement cementation

HEEBNER 3575' (-1049) E-LOG 3578' (-1052) Sh- Black Maroon Gray, fissile & carbonaceous, gritty & earthy

Sh- Maroon Gray, abundant argillaceous wash, gritty & earthy

TORONTO 3595' (-1069) E-LOG 3601' (-1075) Lm- White Cream, mix of dense tight VFXLN w/ sctrd micro XLN porosity, some soft white chalk, & FXLN, sl fsl, well cemented, sctrd dev. from poor vis. to sctrd XLN & fn ppt porosity, SCTRD DRK STN, SL TARRY, TR FO, NO ODR

LKC 3612' (-1086) E-LOG 3617' (-1091) Lm- Off White, FXLN, fsl & sl oolitic, sctrd fn ppt inter oolite porosity, sctrd secondary reXLN w/in porosity, SCTRD DRK STN, FR OILY SHEEN, TR FO, NO ODR

Lm- Off White, VF-FXLN, dense, well cemented, mostly tight w/ sctrd micro XLN porosity, vry clean & barren

Lm- Cream, FXLN, oolitic, mod. well dev. w/ sctrd XLN & ppt interoolite porosity, SCTRD DRK STN, TR FO, OILY SHEEN, NO ODR

Lm- Off White, F-MED XLN, fusulinids & oolitic, mod. well dev. w/ sctrd ppt porosity, LT SCTRD STN, NSFO, NO ODR

Lm- White Off White, VF-FXLN, dense, well cemented, mostly tight w/ poor vis. & effective porosity, vry clean & barren

Lm- Off White, VFXLN, dense, porcelain like vitreous cherty Ls w/o vis. porosity, barren

Lm- Cream/Tan, FXLN, fsl, sctrd dev. w/ XLN & ppt porosity, TR LT STN, NSFO, NO ODR

Lm- Cream Off White, F-MED XLN, fsl & oolitic, sctrd dev. w/ dense XLN & sctrd ppt porosity, LT SCTRD STN, TR FO, WK ODR

Lm- White Off White, VF-FXLN, dense, loosely to well cemented, mostly tight w/ poor vis. porosity, milky white vitreous fresh bedded chert, all vry clean & barren

SHORT TRIP
SHORT TRIP +1.63'
SURVEY 3/4 dgr

DST #1
3604' - 3700'
LKC A-G
30-45-60-60

1570' TOTAL FLUID
360' MCW
(75%W, 25%M)
1210' WATER
CHLOR: 93K

IFP: 41-372#
FFP:382-735#
SIP: 1202-1182#

3600.jpg

3618.jpg

3640.jpg

3650.jpg

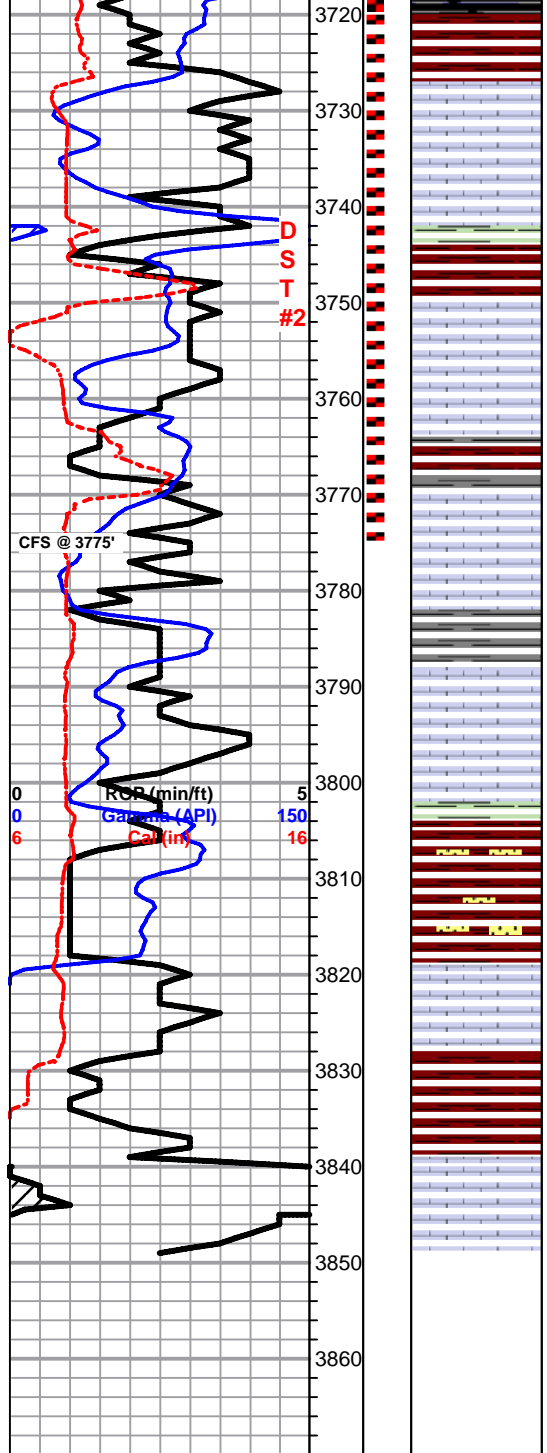
3680.jpg

3692.jpg

DST #2
LKC H-K
3708' - 3775'
30-30-30-30

15' SOSPM
(>1%O, 99%M)

IFP: 19-22#



3720
 3730
 3740
 3750
 3760
 3770
 3780
 3790
 3800
 3810
 3820
 3830
 3840
 3850
 3860

Lm- Cream Off White, mix of VFXLN, dense & well cemented w/ dense micro XLN porosity, & FXLN, fsl, & oolitic w/ small sctrd vuggy porosity, LT SCTRDR ST, NSFO, NO ODR, some soft white chalk

Lm- Buff, VF-FXLN, dense & well cemented, tight w/ poor vis. porosity

Lm- Cream Off White, FXLN, loosely cemented, some gummy white chalk, consistent vry fn ppt porosity, SCTRDR LT STN, NSFO, WK ODR

Lm- Cream Off White, VF-FXLN, mix of densely packed oolites, sctrd XLN & ppt porosity, LT SCTRDR STN, NSFO, WK ODR & fxln, dense & tight w/ poor vis. porosity

Lm- Cream Off White, VF-FXLN, dense, loosely to well cemented, some chalky in part, mostly tight w/ poor vis. porosity, vry clean & barren

BKC 3798' (-1272) E-LOG 3803' (-1277) Sh- Maroon Green Gray, gritty & earthy, shaley Ss/sandy shale, semi-waxy, soft & calcareous

Lm- White Off White, FXLN, fsl, well cemented, poorly dev. w/ sctrd XLN porosity, vry clean & barren

Sh- Maroon Gray, gritty & earthy, argillaceous clumps, soft & silty

Lm- Cream Tan, VFXLN, dense, sharp cherty Ls w/o vis. porosity, barren

RTD 3849' (-1323) LTD 3852' (-1326) @ 21:16 12/5/2016

3730.jpg

3752.jpg

3775.jpg

SURVEY 1/2 dgr







0.2 mm

3640' x 30



0.2 mm

3650' x 30



0.2 mm

3680' x 30



0.2 mm

3692' x 30



0.2 mm
3730' X 30





0.5 mm

3770' x 25