



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1052291

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	IFS Unit 1-19
Doc ID	1052291

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Denisty Neutron

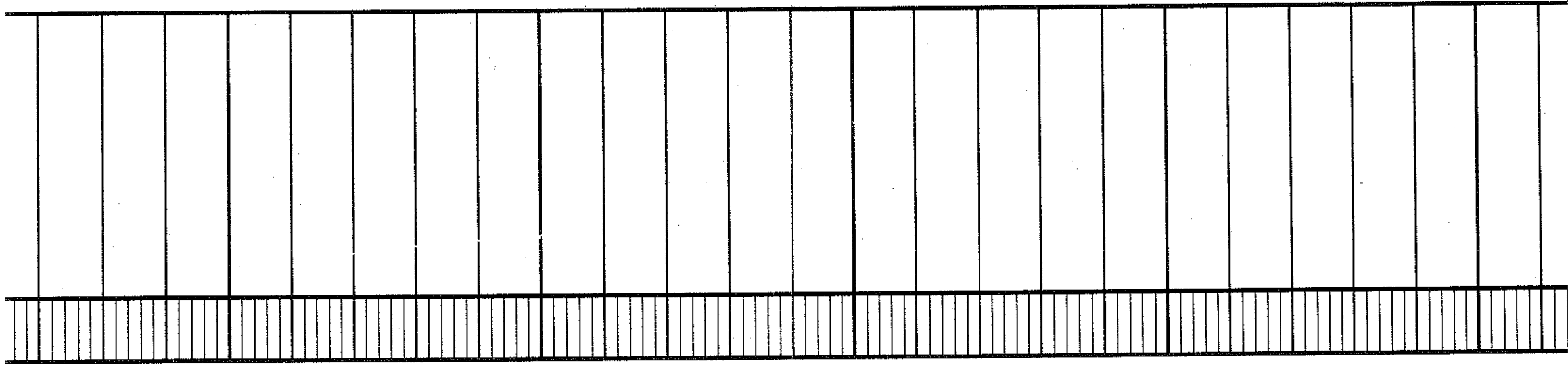
Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	IFS Unit 1-19
Doc ID	1052291

Tops

Name	Top	Datum
Top Anhydrite	1410	+813
Base Anhydrite	1439	+784
Heebner	3733	-1510
LKC	3782	-1559
BKC	4100	-1877
Fort Scott	4286	-2063
Cherokee Shale	4303	-2080
Mississippi/Osage	4365	-2142





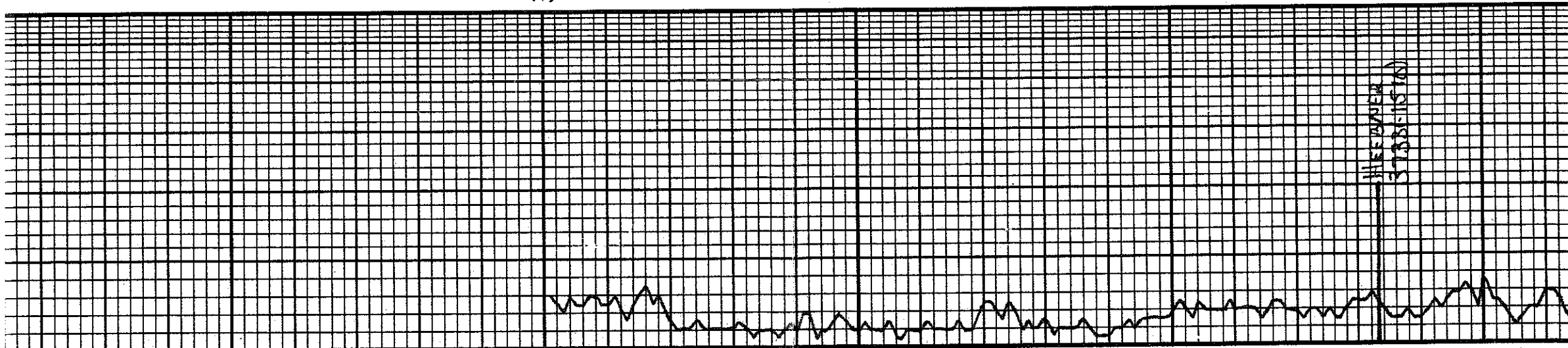


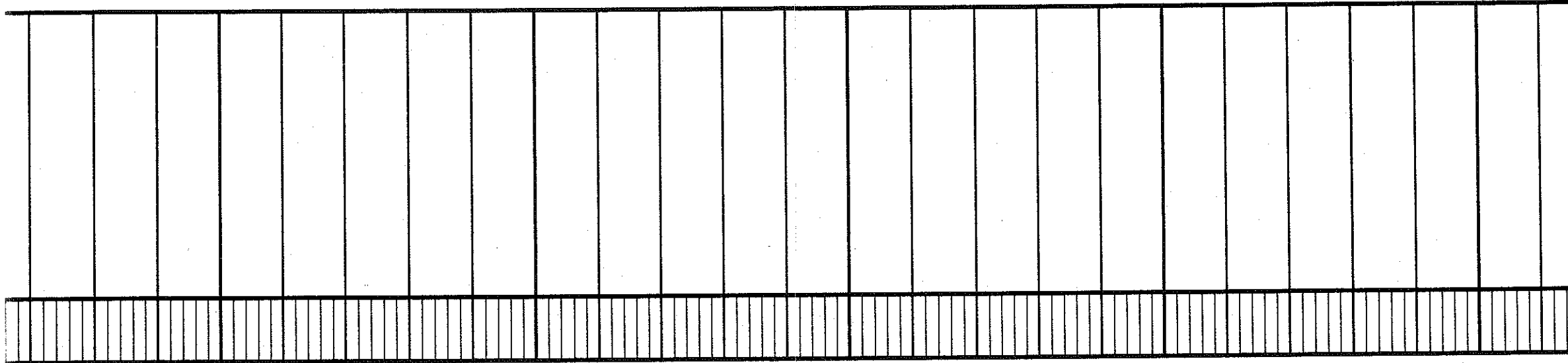
3600

50

3700

50





3800

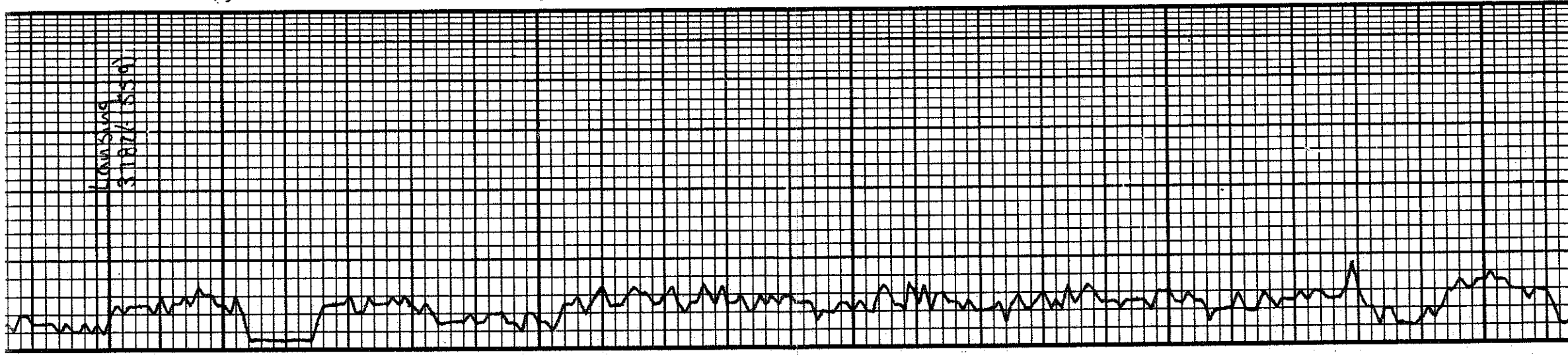
50

3900

50

4000

LIANSHANG  
STRIZI (SISQ)





50

AKC  
6098-1075

4100

50

4200

50

Sh: Black Carb
Sh: gry
LS: wnt, med xln, foss, dms
Sh: brn w/ red
LS: wnt, tan, med xln, lig foss, prgs
Sh: brn
LS: tan, wnt, med xln, foss, prgs, Tang on leg
Sh: brn-red, Arg in prt.
Sh: gry
LS: wnt, fm-med xln, ool in prt, dms w/ prgs
Sh: gry-drk gry
tang brn w/ drk brn
LS: wnt, tan, fm xln, few foss + ool, dms
Sh: gry
LS: tan, brn, v fm-wnt xln, v dms w/ No visib. NS
Sh: drk gry-blk
LS: wnt-tan, fm-med xln, foss w/ scat ool, scat sub

OST-#1  
4326-4369  
mis-run





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

DNOC  
 P.O. Box 372  
 Hays, Ks 67601  
 ATTN: Marc Downing

**IFS Unit 1-19**  
**19/20S/20W-Pawnee**  
 Job Ticket: 41843 **DST#: 1**  
 Test Start: 2011.02.24 @ 21:34:10

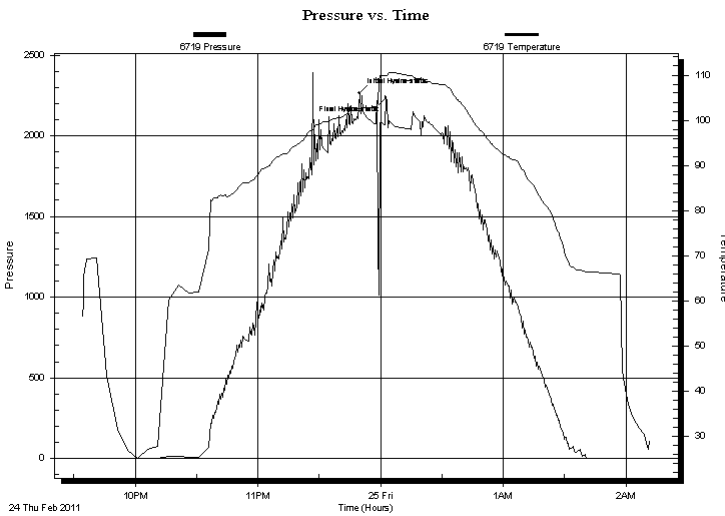
## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened:  
 Time Test Ended: 02:11:40  
 Interval: **4326.00 ft (KB) To 4368.00 ft (KB) (TVD)**  
 Total Depth: 4368.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole  
 Tester: Dustin Rash  
 Unit No: 47  
 Reference Elevations: 2219.00 ft (KB)  
 2213.00 ft (CF)  
 KB to GR/CF: 6.00 ft

## Serial #: 6719

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.02.24 End Date: 2011.02.25 Last Calib.: 2011.02.25  
 Start Time: 21:34:15 End Time: 02:11:39 Time On Btm: 2011.02.24 @ 23:49:40  
 Time Off Btm: 2011.02.25 @ 00:02:40

TEST COMMENT: IF-Misrun.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2264.16	102.21	Initial Hydro-static
13	2238.00	109.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

DNOC  
P.O. Box 372  
Hays, Ks 67601  
ATTN: Marc Downing

**IFS Unit 1-19**  
**19/20S/20W-Pawnee**  
Job Ticket: 41843      **DST#: 1**  
Test Start: 2011.02.24 @ 21:34:10

## Mud and Cushion Information

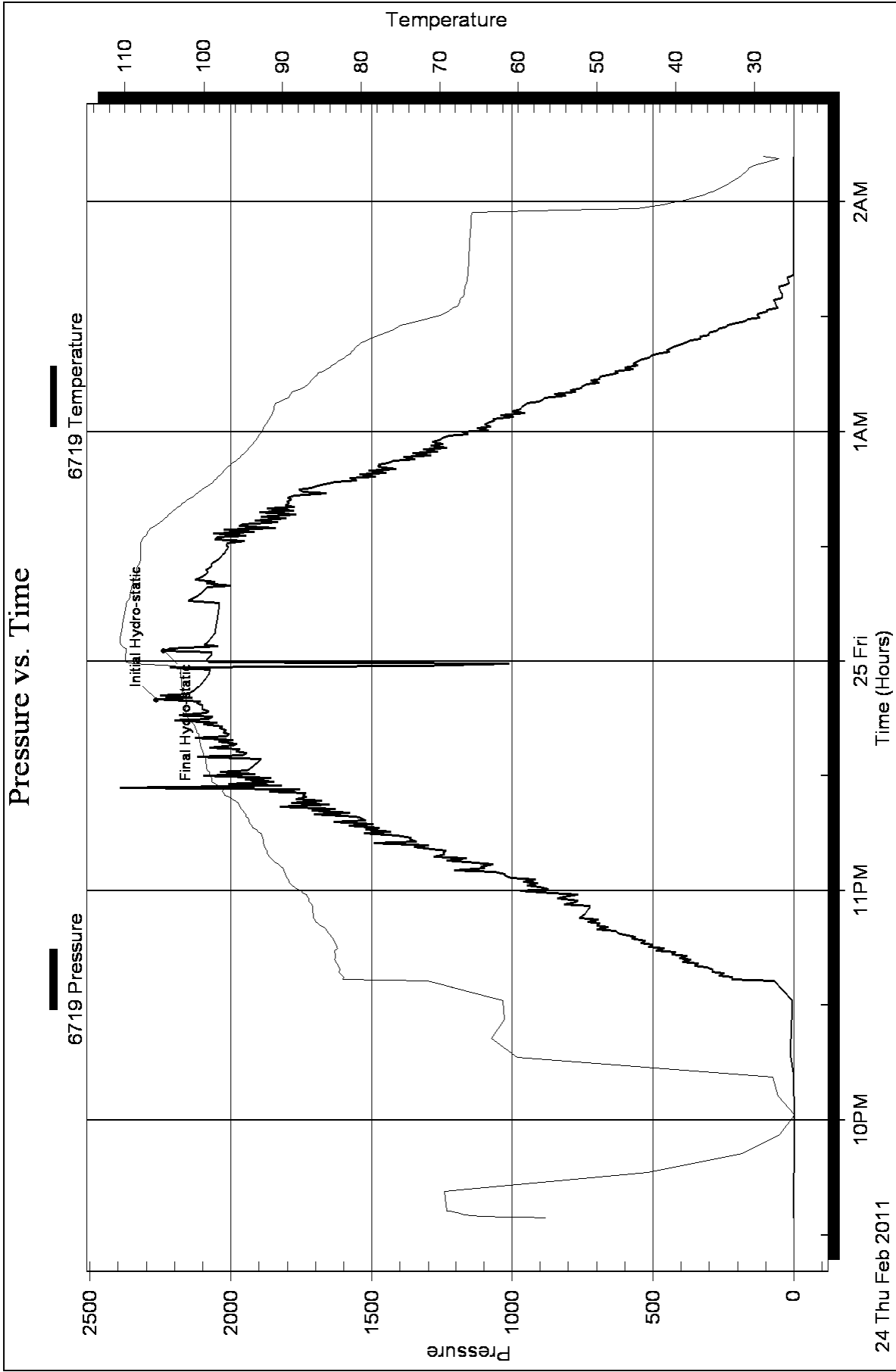
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

DNOC  
P.O. Box 372  
Hays, Ks 67601  
ATTN: Marc Downing

**IFS Unit 1-19**  
**19/20S/20W-Pawnee**  
Job Ticket: 41844 **DST#: 2**  
Test Start: 2011.02.25 @ 02:34:10

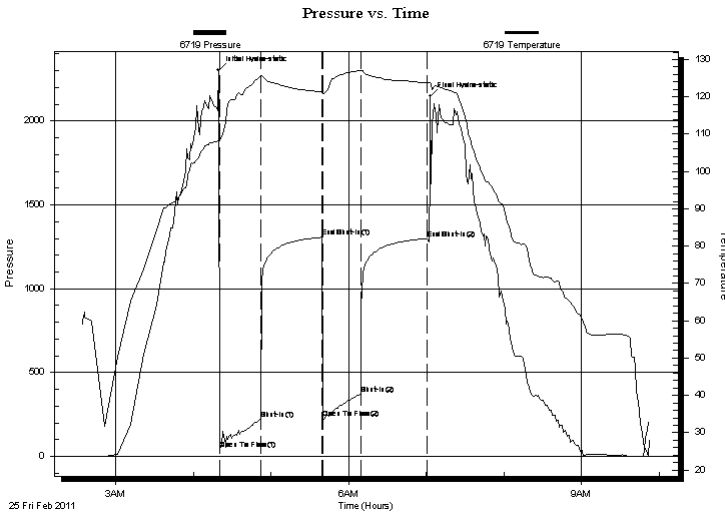
## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 04:20:10  
Time Test Ended: 09:52:40  
Interval: **4294.00 ft (KB) To 4368.00 ft (KB) (TVD)**  
Total Depth: 4368.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 47  
Reference Elevations: 2219.00 ft (KB)  
2213.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 6719 Inside**  
Press @ Run Depth: 373.06 psig @ 4296.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.02.25 End Date: 2011.02.25 Last Calib.: 2011.02.25  
Start Time: 02:34:15 End Time: 09:52:39 Time On Btm: 2011.02.25 @ 04:19:10  
Time Off Btm: 2011.02.25 @ 07:03:10

**TEST COMMENT:** IF-Strong building blow . BOB in 8 minutes 20 seconds.  
ISI-No Return.  
FF-Strong building blow . BOB in 9 minutes.  
FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.40	108.21	Initial Hydro-static
1	42.50	108.13	Open To Flow (1)
33	221.32	125.38	Shut-In(1)
80	1307.31	121.31	End Shut-In(1)
81	227.15	121.00	Open To Flow (2)
110	373.06	127.00	Shut-In(2)
162	1300.16	123.75	End Shut-In(2)
164	2146.83	123.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
496.00	70%Water/12.5%Gas/12.5%Oil/5%Mud	6.68
248.00	40%Water/40%Mud/10%Oil/10%Gas	3.48
33.00	50%Mud/20%Water/15%Oil/15%Gas	0.46
2.00	90%Oil/10%Gas	0.03

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

DNOC  
P.O. Box 372  
Hays, Ks 67601  
ATTN: Marc Downing

**IFS Unit 1-19**  
**19/20S/20W-Pawnee**  
Job Ticket: 41844      **DST#: 2**  
Test Start: 2011.02.25 @ 02:34:10

## Mud and Cushion Information

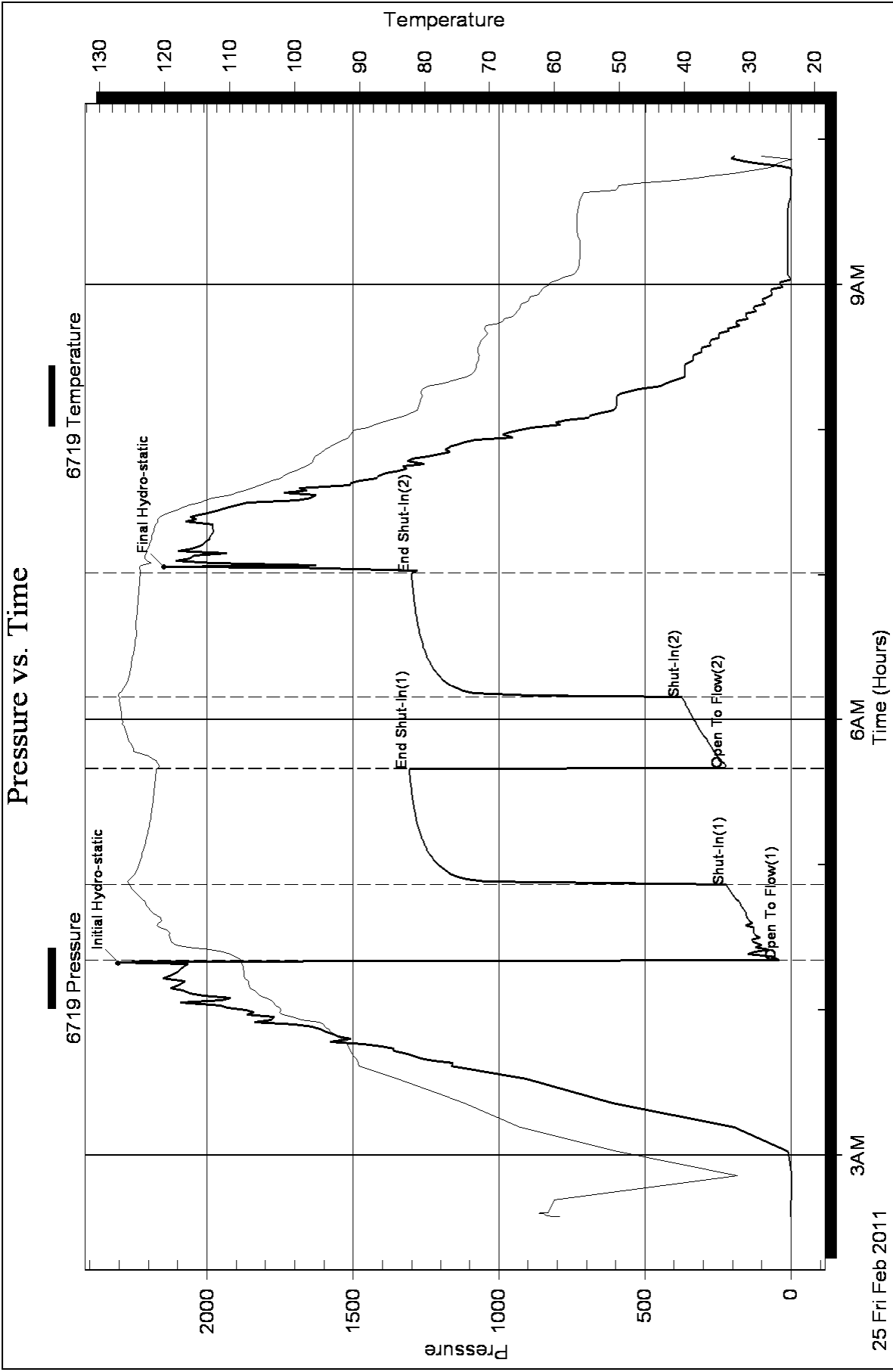
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	42000 ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.44 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	70%Water/12.5%Gas/12.5%Oil/5%Mud	6.675
248.00	40%Water/40%Mud/10%Oil/10%Gas	3.479
33.00	50%Mud/20%Water/15%Oil/15%Gas	0.463
2.00	90%Oil/10%Gas	0.028

Total Length: 779.00 ft      Total Volume: 10.645 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





# ALLIED CEMENTING CO., LLC. 038701

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend

DATE <u>2-26-11</u>	SEC. <u>19</u>	TWP. <u>19</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>430 AM</u>	JOB FINISH <u>500 AM</u>
LEASE <u>IFS</u>	WELL# <u>1-19</u>		LOCATION <u>Aix Zander - KS 11 South</u>			COUNTY <u>Dawson</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)			To RD W 2 West 1/2 South East 1/4				

CONTRACTOR Discovery 4  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 523  
 CASING SIZE 8 5/8 24# DEPTH 523  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 32.25 BBHs

OWNER Downing + Nelson  
 CEMENT  
 AMOUNT ORDERED 250 SK CLASS A 3% CC  
2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Wayne  
 # 366 HELPER Gary  
 BULK TRUCK  
 # 341 DRIVER woody  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>250</u>	@	<u>13.50</u>	<u>3.375.00</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>20.25</u>	<u>101.25</u>
CHLORIDE	<u>9</u>	@	<u>51.50</u>	<u>463.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>250</u>	@	<u>2.25</u>	<u>562.50</u>
MILEAGE	<u>250 x 314.10</u>			<u>775.00</u>
TOTAL				<u>5.277.25</u>

REMARKS:

Ran 8 5/8 casing IN.  
Hook circulate with Rig mud  
shut Down. Mix 250 SK class A  
3% cc + 2% Gel  
Displace 32.25 BBHs fresh water.  
shut IN. Rig Down  
Cement did circulate.

SERVICE

DEPTH OF JOB	<u>523</u>			
PUMP TRUCK CHARGE			<u>1159.00</u>	
EXTRA FOOTAGE		@		
MILEAGE	<u>31.</u>	@	<u>7.00</u> <u>217.00</u>	
MANIFOLD		@		
		@		
		@		
TOTAL				<u>1376.50</u>

CHARGE TO: Downing + Nelson  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

63.31  
277.54

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment

# SWIFT Services, Inc.

DATE 2-26-11 PAGE NO. 1  
TICKET NO. 19562

King & Nelson

WELL NO. 1-19

LEASE IFS Unit

JOB TYPE Cement Longstring

PART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0245							TO 4368'
	0516							On location w/ Float Equip RIS LD DP. Start 5 1/2" casing to 4366' 14 1/4". PKR Shoe - LD Batch - 55 20.78' Cent 1-3-5-7-9-12-71 Cement Packet # 72 D.V. collar # 72 @ 1384'
	0710							Fin run casing - Tag Lay Down Jt
	0720							Run longer Jt.
	0730							Start cir casing
	0830							Fin cir - Drop PKR Shoe ball Take on mud Displ.
	0850							Pump to set PKR Shoe - w/ Tot - mud Not set - wait 5 min - still not
		1 0/1					320 200	Set - start 500 GAL mud flush Shutting Down to stages - Not set Fin mud flush - start 20 BBL KCL flush
	0920	3 3 1/2 3 1/2 8 6 5	36				150 stage 300 400 600 900/1000	PKR shoe still not pressure up. Fin KCL flush - call tool - said to cut. Start 150 sks standard EH-2 mud Fin cut - wash pump & lines Drop Skelton LD Plug - Start Displ Start mud Displ - cement - slow rate Fin 18 BBL mud - start 2 <sup>nd</sup> stage KCL flush Plug Down - Hold - Release & Hold.
	1000		100					Drop D.V. opening device - Plug RH / left 20
	1005							Open D.V. w/ rnk - KCL flush
	1005		2					Start 125 sks mud @ 1.2 gal
		5	70					Fin cut. Drop D.V. casing Plug. Start Displ
			34				400/1200	Plug Down - 50 sks mud circulate to pit D.V. close - Hold & Release & Hold Job Complete Wash up & Pack up
								<p><i>Thanks</i> Hon, Doug &amp; Dave E.</p>