



KANSAS CORPORATION COMMISSION 1158697
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

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: _____



1158697

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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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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dreiling Oil Inc
 1008 Cody Ave
 Hays Ks 67601-2431
 ATTN: Joe Hess

17-15s-18w Ellis
Wolf #4
 Job Ticket: 54270 **DST#: 1**
 Test Start: 2013.08.14 @ 08:30:44

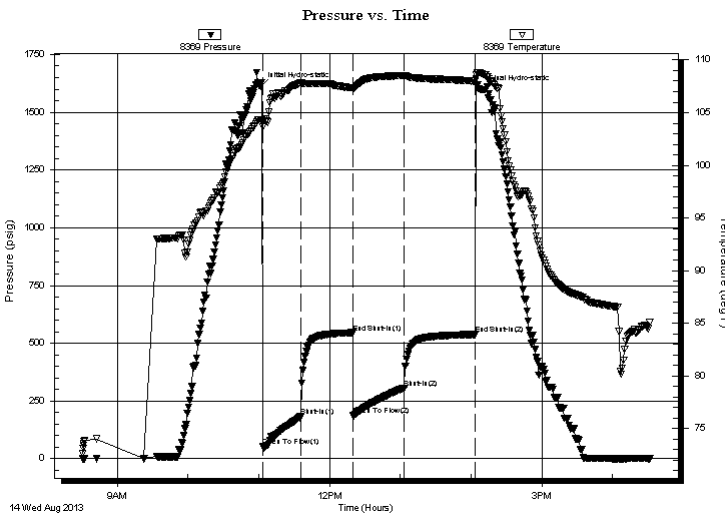
GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:03:24
 Time Test Ended: 16:32:08
 Interval: **3378.00 ft (KB) To 3442.00 ft (KB) (TVD)**
 Total Depth: 3442.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 1985.00 ft (KB)
 1977.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8369 **Inside**
 Press @ Run Depth: 306.76 psig @ 3383.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.14 End Date: 2013.08.14 Last Calib.: 2013.08.14
 Start Time: 08:30:44 End Time: 16:32:08 Time On Btm: 2013.08.14 @ 11:01:39
 Time Off Btm: 2013.08.14 @ 14:09:08

TEST COMMENT: 30-IFP-strg bl in 1min
 45-ISIP-1/4"bl bk
 45-FFP-w k to strg in 5min
 60-FSIP-7" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1609.09	104.37	Initial Hydro-static
2	54.75	103.63	Open To Flow (1)
34	182.39	107.80	Shut-In(1)
78	544.16	107.38	End Shut-In(1)
79	188.80	107.23	Open To Flow (2)
122	306.76	108.52	Shut-In(2)
182	538.09	108.00	End Shut-In(2)
188	1597.99	108.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	Water	2.34
250.00	O&GCWM 10%G10%O30%W50%M	3.51
124.00	HGCMO 50%G20%M30%O	1.74
70.00	CO	0.98
0.00	1100'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
1008 Cody Ave
Hays Ks 67601-2431
ATTN: Joe Hess

17-15s-18w Ellis
Wolf #4
Job Ticket: 54270 **DST#: 1**
Test Start: 2013.08.14 @ 08:30:44

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 46000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Water	2.336
250.00	O&GCWM 10%G10%O30%W50%M	3.507
124.00	HGCMO 50%G20%M30%O	1.739
70.00	CO	0.982
0.00	1100'GIP	0.000

Total Length: 630.00 ft Total Volume: 8.564 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .16@74F

Serial #: 8369

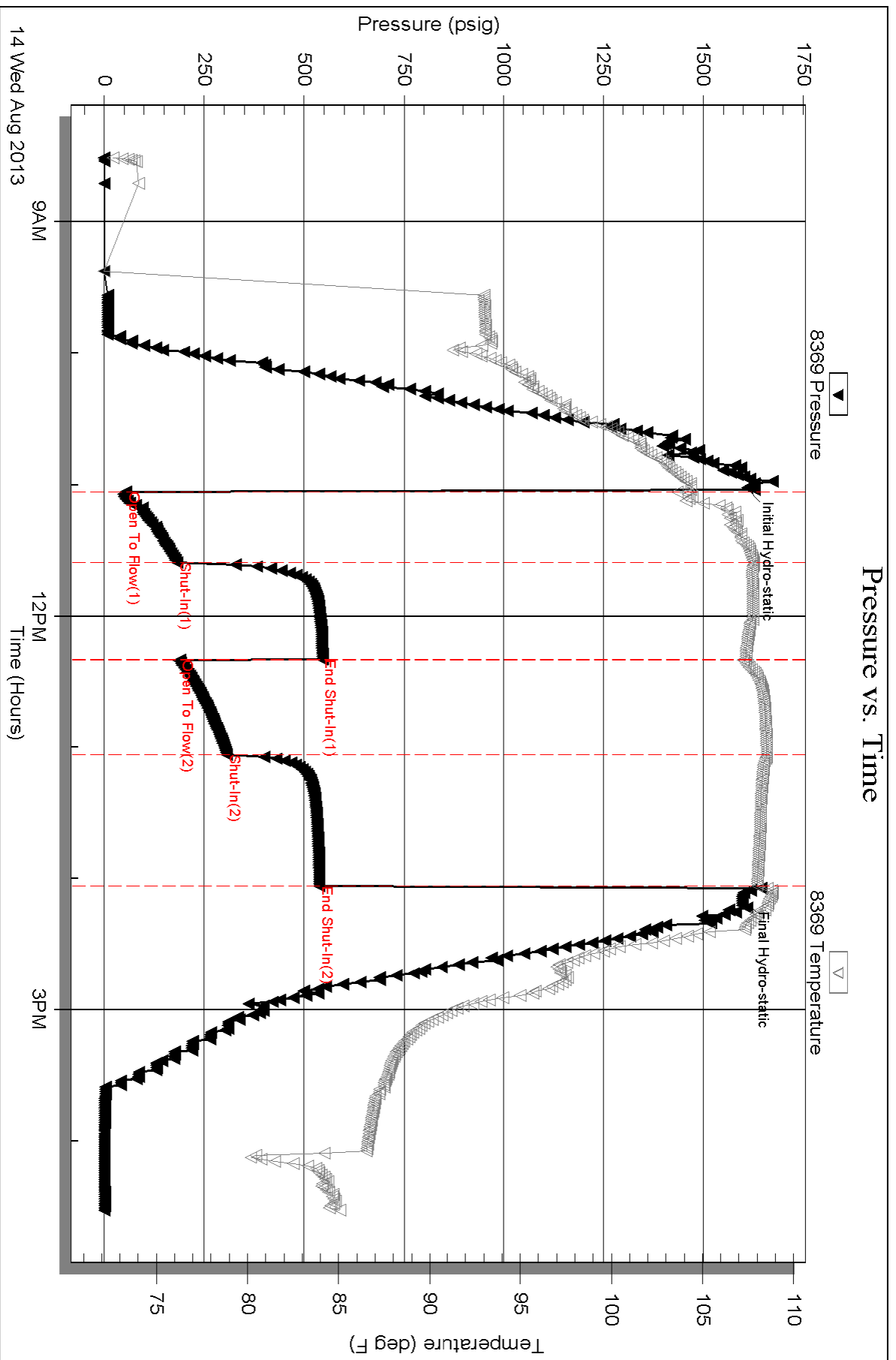
Inside

Dreiling Oil Inc

Wolf #4

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54270

Printed: 2013.08.15 @ 07:38:57



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dreiling Oil Inc
1008 Cody Ave
Hays Ks 67601-2431
ATTN: Joe Hess

17-15s-18w Ellis
Wolf #4
Job Ticket: 54271 **DST#: 2**
Test Start: 2013.08.15 @ 08:00:24

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: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8369

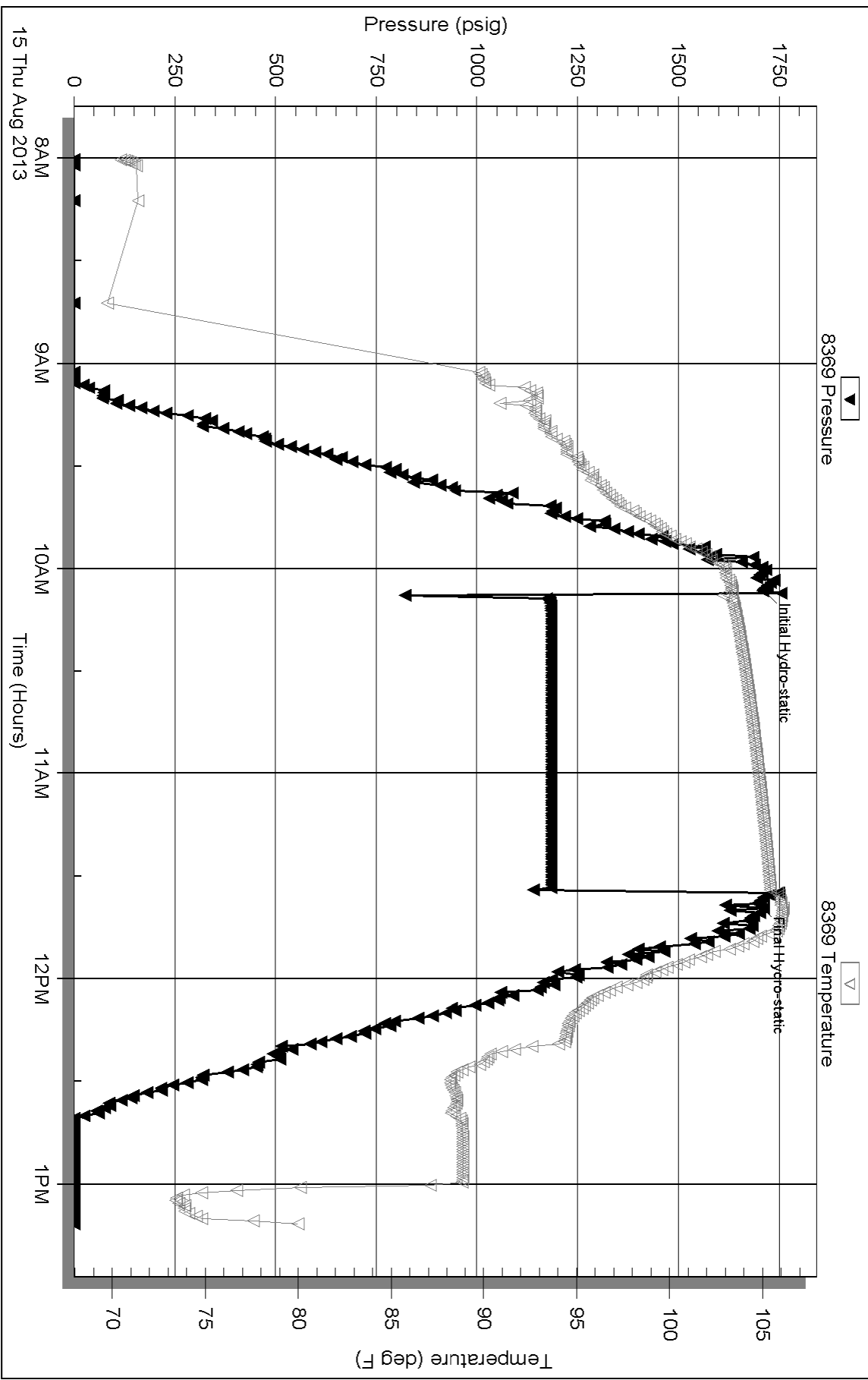
Inside

Dreiling Oil Inc

Wolf #4

DST Test Number: 2

Pressure vs. Time



LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Wolf #4
 Location: E/2-SW-NE-NE/4 Section 17 T15S-R18W
 License Number: API: 15-051-26573-00-00
 Spud Date: Aug 9, 2013
 Surface Coordinates: 900' FNL & 920' FEL Section 17 T15S-R18W
 Region: Ells County, KS
 Drilling Completed: Aug, 2013

Bottom Hole Coordinates: 1981'
 Ground Elevation (ft): 2850
 Logged Interval (ft): 2850
 Formation: Topeka to Arbuckle
 Type of Drilling Fluid: Chemical mud Displaced at 2850'
 K.B. Elevation (ft): 1989'
 To: TD
 Total Depth (ft): 3645
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Drelling Oil, Inc.
 Address: P.O. Box 550
 1008 Cody Ave.
 Hays, KS 67801

GEOLOGIST

Name: Roger L. Fisher
 Company: 2610 W. Rio Vista St.
 Address: Wichita Kansas, 67204

COMMENTS

Discovery Rig #3
 Surface Casing: 1140' of 8 5/8"
 Production Casing: 3650' of 5 1/2"
 Deviation Surveys:
 1 1/4 at 1142'
 3/4 at 3442'
 Mud System: Mud Co
 DSTs: Trilobite Testing Inc.
 OH Logs: ELI Wireline; DILL, CDL/CNL, Micro

Pipe was run to further evaluate

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrlst	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Shale	Shysiltst
Clyst	Gyp	Siltst	Slysh
Coal	Sdy lrmst	Ss	

ACCESSORIES

Fuss	Salt	Grysh
Oomoldic	Sandy	Grysit
Anhy	Silt	Lms
Arg	Chlorite	Sandyms
Bent	Dol	Sh
Bit	Sand	Siltstn
Brecfrag	Silty	
Calc	Anhy	Boundst
Carb	Arg	Chalky
Chtdk	Bent	Cryxln
Chtlt	Coal	Earthy
Dol	Ssstrg	Finexln
Ferrpel	Gyp	Gralnst
Ferr	Ls	Lithogr
Glau	Mrst	Microxln
Gyp	Siltstrg	Mudst
Marl	Carbsh	Packst
Nodule	Clystn	Wackest
Phos	Dol	
Pyr		

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL

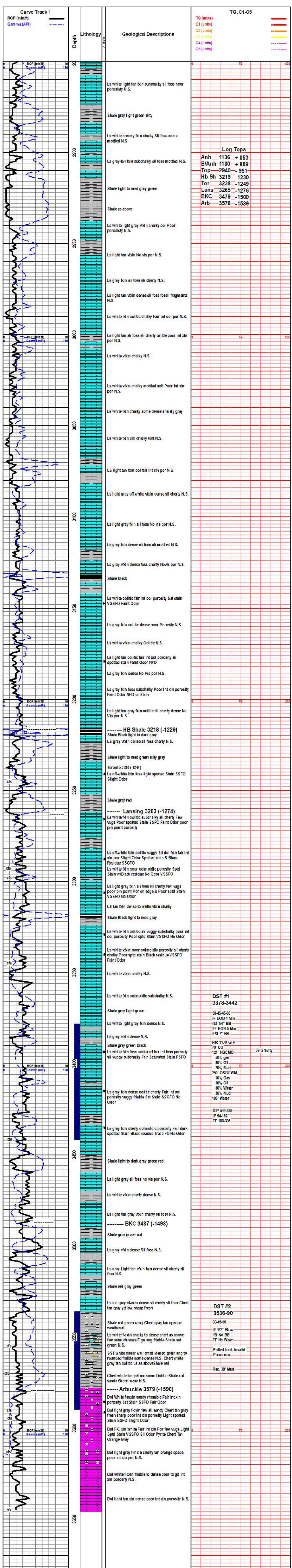
- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Ferrpel
- Ferr
- Glau
- Gyp
- Marl
- Nodule
- Phos
- Pyr

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Siltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol

TEXTURE

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



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. 7357

Date	8-10-13	Sec.	17	Twp.	15	Range	18	County	Ellis	State	KS	On Location		Finish	10:45p.m.
Location <u>Hays 5 Norfolk Rd 1w 1/2s Winto</u>															

Lease	<u>Wolf</u>	Well No.	<u>4</u>	Owner	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.										
Contractor	<u>D. Spencer #3</u>				Charge To	<u>Drilling Oil</u>									
Type Job	<u>Surface</u>				Street										
Hole Size	<u>12 1/4</u>	T.D.	<u>1145</u>	City	State										
Csg.	<u>8 5/8</u>	Depth	<u>1145</u>	The above was done to satisfaction and supervision of owner agent or contractor.											
Tbg. Size		Depth		Cement Amount Ordered <u>450 com 370cc 20/60</u>											
Tool		Depth													
Cement Left in Csg.	<u>29.53</u>	Shoe Joint	<u>29.53</u>												
Meas Line		Displace	<u>71.3L</u>												

EQUIPMENT

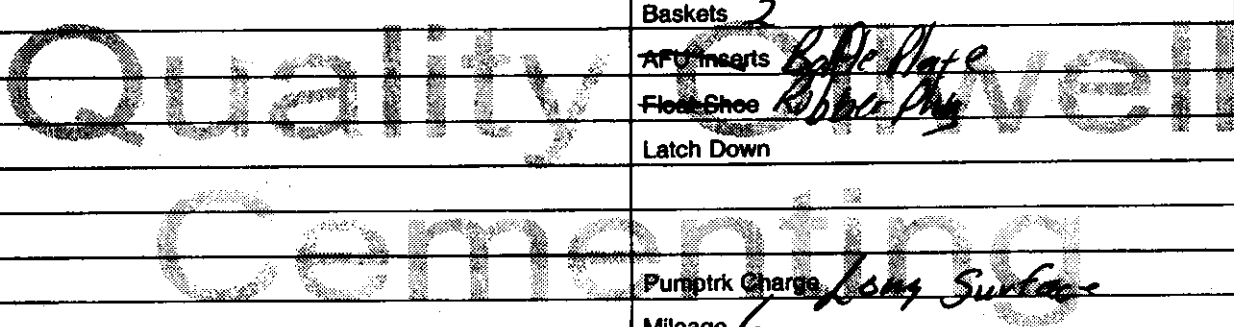
Pumptrk	<u>17</u>	No.	<u>1</u>	Cement	<u>450</u>	Common	<u>450</u>
				Helper		Poz. Mix	
Bulktrk		No.	<u>1</u>	Driver		Gel.	<u>9</u>
				Driver		Calcium	<u>16</u>
Bulktrk	<u>19</u>	No.	<u>1</u>	Driver		Hulls	
				Driver		Salt	

JOB SERVICES & REMARKS

Remarks:	
Rat Hole	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
<u>8 5/8 size mud Baffle 1113.42</u>	Handling <u>475</u>
<u>Est. Circulation. Misc. 400 SK & Displace</u>	Mileage
<u>Phyg.</u>	
<u>Cement Circulated!</u>	

FLOAT EQUIPMENT

Guide Shoe	<u>8 5/8</u>
Centralizer	<u>2</u>
Baskets	<u>2</u>
AFT Inserts	<u>Baffle Plate</u>
Float Shoe	<u>Robber Plug</u>
Latch Down	



Pumptrk Charge	<u>1044 Surface</u>	Tax	
Mileage	<u>6</u>	Discount	
X Signature <u>John Grubler</u>		Total Charge	

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN-LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 7288

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-16-13	17	15	18	Ellis	KS		1:45 pm.

Lease <u>wolf</u>		Well No. # <u>4</u>	Owner
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Contractor <u>Discovery #3</u>	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.		
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Type Job <u>Production String</u>	Charge To <u>Dreiling Oil</u>
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Hole Size <u>7 7/8</u>	T.D. <u>3645'</u>	Street	City	State
Csg. <u>5 1/2</u>	Depth <u>3645'</u>	The above was done to satisfaction and supervision of owner agent or contractor.		

Tbg. Size	Depth	Cement Amount Ordered <u>175 10% Salt</u>
Tool	Depth	

Cement Left in Csg. <u>23'</u>	Shoe Joint <u>23'</u>	
Meas Line	Displace <u>88 1/2 bbl</u>	

EQUIPMENT		Common <u>175</u>
Pumptrk <u>17</u>	No. <u>Cody</u>	Poz. Mix
Bulktrk <u>14</u>	No. <u>Doug</u>	Gal.
Bulktrk <u>PU</u>	No. <u>Brett</u>	Calcium

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt <u>15</u>

Rat Hole <u>30 sx</u>	Flowseal
Mouse Hole <u>15 sx</u>	Kol-Seal
Centralizers <u>2, 3, 5, 7, 9, 11 + 13</u>	Mud CLR 48 <u>500 gal</u>
Baskets <u>2 + 7</u>	CFL-117 or CD110 CAF 38 <u>20 bbl</u>
D/V or Port Collar	Sand

Handled on <u>5 1/2 Mix 500 gal</u>	Handling <u>190</u>
ETusk	Mileage <u>5 1/2</u>

Plugged Rat w/ <u>30 sx</u> + Mouse w/ <u>15 sx</u>	Float Equipment
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Mixed <u>130 sx</u>	Guide Shoe
Displaced <u>88 1/2 bbl</u> of H ₂ O	Centralizer Turbos - <u>7</u>

w/ the 1st <u>20 bbl</u> being <u>16 CL</u>	Baskets - <u>2</u>
Plug landed @ <u>1500 lbs</u>	AFU Inserts

	Float Shoe - <u>Oilwell</u>
	Latch Down - <u>1</u>

	Rubber Plug - <u>1</u>
	Pumptrk Charge <u>prod long string</u>

	Mileage <u>6</u>	Tax
		Discount

X Signature <u>Jim W. Smith</u>	Total Charge
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GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake; and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.