

Operator Name: Jones & Buck Development Lease Name: Kuhn Well #: 4
 Sec. 9 Twp. 30 S. R. 18 East West County: Neosho

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: <p style="text-align: center;">Gamma Ray - Neutron</p>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Altamont Lime</td> <td>403</td> <td>+50+597</td> </tr> <tr> <td>Pawnee Lime</td> <td>539</td> <td>+461</td> </tr> <tr> <td>Oswego Lime</td> <td>616</td> <td>+384</td> </tr> <tr> <td>TD</td> <td>766</td> <td></td> </tr> </tbody> </table>	Name	Top	Datum	Altamont Lime	403	+50+597	Pawnee Lime	539	+461	Oswego Lime	616	+384	TD	766	
Name	Top	Datum														
Altamont Lime	403	+50+597														
Pawnee Lime	539	+461														
Oswego Lime	616	+384														
TD	766															

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	12.25	8.625		20	Portland	6	Same
Production	6.75	4.50	9.5	748	50/50POZ	114	4 sks gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3.5	637-649 & 654-660	250 gallons 15% HCL Acid	
		16,500 lbs. 20/40 sand	
		365 bbls. water	
		35 frac balls	

TUBING RECORD	Size 2.375"	Set At 677	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. September 26, 2001	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls. 0	Gas Mcf 10	Water Bbls. 100	Gas-Oil Ratio	Gravity

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Sumit ACO-18.) Other (Specify) _____

Well Refined Drilling Company, Inc.
 4270 Gray Road, Thayer, KS
 PO Box 881
 Chanute, KS 66720

RECEIVED

DEC 10 2001

KCC WICHITA

ORIGINAL **Invoice**

Invoice Number: 2001-017

Invoice Date: Sep 12, 2001

Page: 1

Phone/Fax 620-763-2619
 Cell Phone: 620-432-6170 or 620-423-0802

Sold To:

Jones & Buck Development
 PO Box 68
 Sedan, KS 67361

Customer #: JBD
 Our Federal ID#: 48-1248553
 State of KS Contractor #: 32871

API Number	SPUD Date	Payment Terms	Due Date	Sales Rep ID
15-133-25741	9-11-01	C.O.D.	9/12/01	

Quantity	Description	Unit Price	Extension
766.00	Well Drilling (feet) Kuhn #4	6.50	4,979.00
20.00	Casing - 8 5/8"	10.00	200.00
6.00	Portland Cement	8.50	51.00

10-16-01
 CR # 11483



WE'RE WILLING - KEEP DRILLING!

Subtotal	5,230.00
Sales Tax	
Total Invoice Amount	5,230.00
Payment Received	0.00
TOTAL	5,230.00

Check No:
 For Billing Questions Call 620-431-3223

Overdue invoices are subject to finance charges of 1.5% (18% APR).

RECEIVED

ORIGINAL

DEC 10 2001

CONSOLIDATED OIL WELL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

KCC WICHITA

TICKET NUMBER 18228

LOCATION Chanute

TREATMENT REPORT

FOREMAN [Signature]

Kuhn

Table with columns: DATE, CUSTOMER ACCT #, WELL NAME, QTR/QTR, SECTION, TWP, RGE, COUNTY, FORMATION. Includes fields for CHARGE TO, MAILING ADDRESS, CITY, STATE, ZIP CODE, TIME ARRIVED ON LOCATION, TIME LEFT LOCATION.

WELL DATA table with rows: HOLE SIZE, TOTAL DEPTH, CASING SIZE, CASING DEPTH, CASING WEIGHT, CASING CONDITION, TUBING SIZE, TUBING DEPTH, TUBING WEIGHT, TUBING CONDITION, PACKER DEPTH, PERFORATIONS, SHOTS/FT, OPEN HOLE, TREATMENT VIA.

TYPE OF TREATMENT table with rows: SURFACE PIPE, PRODUCTION CASING, SQUEEZE CEMENT, PLUG & ABANDON, PLUG BACK, MISC PUMP, OTHER, ACID BREAKDOWN, ACID STIMULATION, ACID SPOTTING, FRAC, FRAC + NITROGEN, FOAM FRAC, NITROGEN.

PRESSURE LIMITATIONS table with columns: THEORETICAL, INSTRUCTED. Rows: SURFACE PIPE, ANNULUS LONG STRING, TUBING.

INSTRUCTION PRIOR TO JOB cement 1 Well

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Started pumping at 11:47. Had circulation at 11:50. Started gel at 11:48. Ran Dye at 11:55. Had cement at 11:57. Had gel return at 11:58. (ran 23% of gel ahead). Had Dye return at 12:04. Drop plug and wash out pump at 12:04. Displace at 12:05. Had cement return at 12:06. (pumped 11.43% of 50/50 mix). Plug to bottom 19 set float shoe at 12:15.

PRESSURE SUMMARY table with rows: BREAKDOWN or CIRCULATING, FINAL DISPLACEMENT, ANNULUS, MAXIMUM, MINIMUM, AVERAGE, ISIP, 5 MIN SIP, 15 MIN SIP.

TREATMENT RATE table with rows: BREAKDOWN BPM, INITIAL BPM, FINAL BPM, MINIMUM BPM, MAXIMUM BPM, AVERAGE BPM.

AUTHORIZATION TO PROCEED TITLE DATE