

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 6528
Name: R.J. Patrick Operating Company
Address: PO Box 1157
City/State/Zip: Liberal, Kansas 67905-1157
Purchaser: ONEOK Field Services
Operator Contact Person: RJ Patrick
Phone: (620) 624-8483
Contractor: Name: Duke Drilling Co., Inc.

License: 5929
Wellsite Geologist: Marvin Harvey
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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/SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

07-26-03 08-06-03 08/27/03
Spud Date or 08-06-03 Date Reached TD 08/27/03 Completion Date or
Recompletion Date 08/27/03 Recompletion Date

API No. 15 - 033-21358-00-00
County: Comanche County, Kansas
NE NE SE Sec. 1 Twp. 33 S. R. 19 East West
2310 feet from (S) N (circle one) Line of Section
495 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner: 1300
(circle one) NE (SE) NW SW
Lease Name: Jacob Colter Well #: 1-1

Field Name: Colter
Producing Formation: Mississippian, Ft. Scott Pawnee
Elevation: Ground: 2044' Kelly Bushing: 2055'
Total Depth: 6000' Plug Back Total Depth: 5470'
Amount of Surface Pipe Set and Cemented at 786 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 786
feet depth to surface w/ 325 sx cmt.

Drilling Fluid Management Plan ALL ON 9-10-03
(Data must be collected from the Reserve Pit)
Chloride content 9000 ppm Fluid volume 1800 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite:
Operator Name: Gene Dill
Lease Name: Regier License No.: 6652
Quarter _____ Sec. 17 Twp. 33 S. R. 27 East West
County: Meade Docket No.: C21232

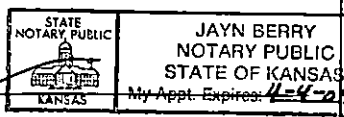
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: RJ Patrick
Title: OWNER Date: 08/27/2003

Subscribed and sworn to before me this 27th day of August 2003

Notary Public: Jayn Berry
Date Commission Expires: 04/04/04



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
AUG 28 2003
8-28-03
KCC WICHITA

Operator Name: R.J. Patrick Operating Company Lease Name: Jacob Colter Well #: 1 - 1

Sec. 1 Twp. 433 S. R. 19 East West County: Comanche County, Kansas

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Name	Top	Datum
Heener Shale	4308' (-2247')	4344' (-2279')
Toronto	4320' (-2259')	4357' (-2292')
Lansing	4495' (-2434')	4545' (-2480')
Marmaton	5004' (-2943')	5054' (-2989')
Ft. Scott	5134' (-3073')	5180' (-3115')
Cherokee Sh	5144' (-3083')	5190' (-3125')
Mississippian	5228' (-3167')	5282' (-3217')
Viola	5861' (-3800')	5967' (-3902')

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	# Sacs Used	Type and Percent Additives
Conductor		20"		50'			
Surface	12-1/4"	8-5/8"	24#	786'	65/35 Class A	275 100	3%cc #floseal 3%cc 2%gel
Production	7-7/8"	4-1/2"	10.5#	5488'	50/50 Poz	175	18%salt

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
2	5228' to 5259'	Miss.	4000 gal FE	5259'
2	5137' to 5139'	Ft Scott	5000 gal FE	5139'
2	5120' to 22 - 5111' to 13 - 5103' to 05	PAWNEE	1500 gal FE	5122

TUBING RECORD Size 2 3/8 Set At 5148 Packer At 5156 Liner Run Yes No

Date of First, Resumed Production, SWD or Enhr. 08/25/2003 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours 4 POINT/2 ZONES Oil Bbls. total Gas Mcf 3,231,000 Water Bbls. 0 Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval 5228 to 5103

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify)

Vented 30 minutes each point No fluid Tested by Less Oldham

R. J. PATRICK OPERATING COMPANY

P.O. BOX 1157
LIBERAL, KANSAS 67905-1157

620-624-8483

COMPLETION REPORTORIGINAL
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AUG 28 2003

KCC WICHITA

RE: Jacob Colter #1-1
N/2 SE/4 Section 1-33S-19W
Comanche County, Kansas

- 08/18/03 Moved Drilling Rig off hole. Run Cement Bond Log and Gama Ray Neutron Log. *POTD-5470*
- 08/19/02 Moved Rosel Well Perforators to location. Perforated 5228' to 5259' - 31', 2 holes per ft. Moved Well Servicing Unit to location. Riggged up.
- 08/20/03 Picked up packer and on & off tool and 168 jts. 2 3/8" tubing. Spotted acid and set packer. Acidized well w/4000 gals. 15% FE Acid w/additives. Formation broke down @ 950#. Treated @ 4 bbls. per minute, 1500#. Did not get any ball action. Instant shut-down pressure, 600#. *Down to 300# in 20 minutes. Released pressure and started to bleed back. Well kicked off flowing. Flowed 5 hrs. Well cleaned up. Making approximately 750,000 per day. Shut-in @ 7:00 p.m. for pressure test. Shut-in 2 hrs. and 15 minutes. Pressure 890#.
- 08/21/03 Shut-in pressure - 7:00 a.m. -1400#. Set tubing plug in profile nipple. Shut off Mississippian zone. Got off of on & off tool and tripped out of hole w/tubing. Perforated 1 hole @ 5138', one @ 5104' and one @ 5112'. Tripped in hole with tubing with SN on bottom. Shut down overnight.
- 08/22/03 Treated perms w/2000 gals FE Acid w/additives. Treated @ 5.8 to 6.0 bbls. per minute. Maximum pressure 4500#. Instant shut-down pressure 500#. On vacuum in 20 minutes. Tripped out of hole w/tubing and perforated 5137' to 5139', 2 holes per ft. Fort Scott Formation perforated 5120' to 5122', 5111' to 5113' and 5103' to 5105', 2 holes per ft. Pawnee Formation: Tripped in hole -top 1/2 of on & off tool. Landed 5' above lower 1/2 of tool. Total load 160 bbls. Started swabbing. Swabbed 7 1/2 hrs. Recovered 85 bbls. - 75 bbls. to be recovered. Making slight show of gas and approximately 10 bbls. load water per hr. Shut in overnight.
- 08/24/03 Shut-in Casing Pressure, 890#. Tubing pressure 100#. Fluid level 1100' started swabbing. Swabbed approximately 25 bbls. in 8 hrs. Total fluid recovered 115 bbls. To be recovered, 45 bbls. Making approximately 100,000 gas. Shut well in overnight.
- 08/25/03 Shut in pressure on Pawnee and Fort Scott, 975#. Lowered tubing and latched on to On & Off Tool. Seperated lower zone from upper zone. Fished tubing plug out of tubing and had 1550# pressure on lower, Mississippian Zone. Took 4 Point Test on upper zone. Pawnee and Fort Scott calculated open flow, 738,000 gas per day. Took 4 Point Test on lower Mississippian Zone. Calculated Open Flow 2,419,000 gas per day. Shut well in checking pressure. Shut in overnight.
- 08/26/03 Making hook-up on well head and seperator preparing for gas line. Made Right of Way Agreement with Kenneth Colter, surface owner.
- 08/27/03 Negotiated Sales Contract w/ONEOK Pipeline Company. Made agreement. Bob's Roustabout Service to ditch and lay pipeline and bury 36" below ground level. END OF REPORT, WAITING ON PIPELINE.

ORIGINAL

R. J. PATRICK OPERATING COMPANY

P.O. BOX 1157
LIBERAL, KANSAS 67905-1157

620-624-8483

DRILLING REPORT

RECEIVED
AUG 28 2003
KCC WICHITA

RE: Jacob Colter Lease
N/2 SE/4 Section 1-33S-19W
Comanche County, Kansas

- 04/22/03 Filed Intent to Drill Jacob Colter #1-1.
- 05/12/03 Intent to Drill Jacob Colter #1-1 Approved.
- 05/07/03 Staked Location - Ground Level 2049'.
- 05/13/03 Started making location.
- 05/14/03 Working on location and reserve pits and set cattle guard.
- 05/15/03 Drilled 60' of 30" hole and set 60' of 20" conductor pipe. Cemented back to surface with Groute Cement. Drilled 5' of 60" hole and set 5' X 60" tin horn cellar.
- 05/22/03 Digging Reserve Pit and working on location.
- 05/23/03 Finished digging Reserve Pit, now ready for Drilling Rig.
- 06/24/03 Still waiting on Drilling Rig. Rained and mud has delayed all rigs moving schedule.
- 07/26/03 Moved Duke Drilling Company Rig #1 to location and rigged up. Spudded @ 7:30 p.m. Started drilling 12 1/4" surface hole.
- 07/27/03 Drilling @ 751'. Lost circulation @ 380'. Dry drilled to 751'.
- 07/28/03 Drilling @ 1370'. Drilled 788' - 12 1/4" hole. Ran 18 jts (786') of new 8 5/8" 24# casing. Cemented w/225 sks. 65/35 Posmix 3% - 1/4# Floseal. No returns. Cemented top 90' w/100 sks. Class "A" w/2% Gel & 3% cc & 1/4# Floseal. Plug down @ 11:00 a.m. had cement in cellar. W.O.C. Started drilling out from under surface @ 7:00 p.m.
- 07/29/03 Drilling ahead @ 2372'.
- 07/30/03 Drilling @ 2917'.
- 07/31/03 Drilling @ 3513'.
- 08/01/03 Drilling @ 4000'.
- 08/02/03 Drilling @ 4566'.
- 08/03/03 Drilling @ 5038'.
- 08/04/03 Depth 5161' - making bit trip. Show of gas in Pawnee and Ft. Scott.
- 08/05/03 Depth 5550'. In Mississippian Formation - good show of gas.
- 08/06/03 Drilling @ 5819', in Viola.
- 08/07/03 Reached T.D. of 6000'. Run Logs and laid down Drill Pipe.
- 08/08/03 Set 124 jts. (5498') of new 4 1/2" - 10.5# Casing. Cemented w/175 sks. Cement. Plug down @ 7:00 a.m. August 8, 2003. W.O.C.

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 KCC WICHITA

RJ Patrick Operating

Jacob Colter
 Comanche Ks
 K.B. 11'

Well Name
 County
 #####

Company Rep.
 Sales Rep.

RJ Patrick
 Sam Belleau
 Office 620-624-6443
 SAP No.

Proposed Installation				
Installation	Depth	Description	OD	ID
		4 1/2 Casing J-55 165 Jts 2 3/8 Tubing in hole. Jt Avg = 31.20		
	5103-5122	Pawnee Perforations		
	5137-5139	Ft. Scott Perforations		
	5148'	165 Jts 2 3/8 Tubing J-55		
	5156'	4 1/2 x 2 3/8 T-2 On & Off Tool 1.78 F Profile	3.75	1.78
	5165'	Top of 4 1/2 AS IX Packer	3.75	1.99
	5228-5259	Mississippi Perforation		

Filename:

W E D E R ORIGINAL

P.O. BOX 1087
WOODWARD, OK 73802

SERVICES, INC.

PHONE (580) 256-9371
FAX (580) 256-6997

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KCC WICHITA

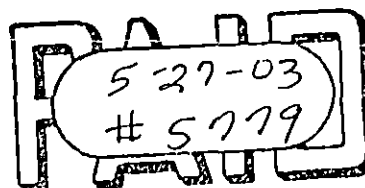
SOLD TO:
R.J. PATRICK OPERATING CO.
P.O. BOX 1157
LIBERAL, KS 67905-1157

SHIP TO:
R.J. PATRICK OPERATING CO.
P.O. BOX 1157
LIBERAL, KS 67905-1157

CUSTOMER NO:	CUSTOMER P.O.	INVOICE NUMBER:	INVOICE DATE:	TERMS
RJPATR		0024951-IN	05/15/2003	DUE UPON RECEIPT
LEASE NAME: JACOB COLTER #1-1		RIG #: DUKE #1	WO #? W05727	AMOUNT

JACOB COLTER #1-1
FURNISHED WELDER & MATERIALS
FURNISHED MUD, WATER, & TRUCKING
DRILLED 60' OF 30" CONDUCTOR
HOLE
DRILLED 5' OF 60" HOLE
SET 5X5 TINHORN CELLAR
FURNISH 60' OF 20" CONDUCTOR
PIPE
FURNISHED GROUT
FURNISHED GROUT PUMP
TOTAL BID \$3,750.00
INSURANCE SURCHARGE
FUEL SURCHARGE

37.50
93.75



JCOLT, D
\$3921.75

Remittance

THANK YOU!!!!

INVOICE

Net Invoice:	3,881.25
Freight:	0.00
Sales Tax:	40.50
Invoice Total:	3,921.75

WEDDER ORIGINAL SERVICES, INC.

4420 ANDERSON ROAD • P.O. BOX 1087
WOODWARD, OK 73802
PHONE (580) 256-9371 • FAX (580) 256-6997

*Rocky
Larby*

X

WORK ORDER # **5727** b

SPC16932

		DATE OF ORDER:	5-13-03
RIG#: 1	Duke	STARTING DATE:	5-15-03
COMPANY NAME:	R. J. Patrick	ORDER TAKEN BY:	R. J.
LEASE NAME:	Jacob Colter #1-1	ORDER BY:	R. J. Patrick
LEGAL DESCRIPTION:	Sec 1 335 19W Comanche, KS (SE 1/4)	PHONE #:	620-624-8483 or cell# 620-629-1120

DIRECTIONS: **From int 160 + by 1 (set south of coldwater) go 1/2 m N, W into (by Bears + Corral)**

Face Rig		N	E	S	W	Pipe	Fuel-Rig:
Rat Hole no						Hole	Fuel-Vehicle:
Mouse Hole no						Cement	Credit Card Expenses:
Conductor 20"						Mud Truck	
Cellar 5x5						Pump Truck	
Tin Horn ✓						Welding	

probably 60'

*pusher Mike badger
cell# 620-786-0086
rig 620-793-0839
(set conductor top 2' below ground level)*

- Drilled 60 ' of 30 " Conductor Hole
- Drilled 5 ' of 60 " Hole & Set 5 ' x 5 ' Tinhorn Cellar
- Furnished Backhoe _____
- Furnished 60 ' of 20 " Conductor Pipe
- Furnished Shucks _____ Rat _____ Mouse
- Furnished Mud, Water, & Trucking
- Furnished Welder & Materials
- Furnished Grout
- Furnished Grout Pump
- Drilled Rat & Mouse Holes
- Rock Time _____ Hrs

TOTAL BID \$ 3,750.00

STATE SALES TAX 4.12 % 154.80

COUNTY SALES TAX — % —

INSURANCE SURCHARGE 37.50

FUEL SURCHARGE 93.75

TOTAL INVOICE 3921.75

to
epi
shall refer to
front side

87
3-5566
TAX ID# 48-0727860

G CO., INC.

***** ORIGINAL *****
***** INVOICE *****

Invoice Number: 090544
Invoice Date: 07/31/03

Sold R. J. Patrick Operation
To: P.O. Box 1157
Liberal, KS
67905

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AUG 28 2003
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Cust I.D.....: Patr
P.O. Number...: Jacob Colter, #1
P.O. Date.....: 07/31/03
Due Date.: 08/30/03
Terms.....: Net 30

DC

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	100.00	SKS	7.1500	715.00	T
Gel	4.00	SKS	10.0000	40.00	T
Chloride	14.00	SKS	30.0000	420.00	T
Lite	225.00	SKS	6.7000	1507.50	T
FloSeal	56.00	LBS	1.4000	78.40	T
Top Off Common	100.00	SKS	7.1500	715.00	T
Handling	455.00	SKS	1.1500	523.25	E
Mielge (45)	45.00	MILE	22.7500	1023.75	E
455 sks @\$.05 per sk per mi.					
Surface	1.00	JOB	520.0000	520.00	E
Extra Footage	488.00	PER	0.5000	244.00	E
Mileage pmp trk	45.00	MILE	3.5000	157.50	E
TRP	1.00	EACH	100.0000	100.00	T

All Prices Are Net, Payable 30 Days Following
Date of Invoice. 1 1/2% Charged Thereafter.
If Account CURRENT take Discount of \$604.44
ONLY if paid within 30 days from Invoice Date

Subtotal: 6044.40
Tax: 189.52
Payments: 0.00
Total: 6233.92

RECEIVED AUG - 5 2003

ALLIED CEMENTING CO., INC. 12649

ORIGINAL

Federal Tax I.D.# 48-0727860

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

SERVICE POINT: Med Lodge

DATE <u>7-27-03</u>	SEC. <u>1</u>	TWP. <u>33S</u>	RANGE <u>19W</u>	CALLED OUT <u>4:00 AM</u>	ON LOCATION <u>6:30 AM</u>	JOB START <u>10:15 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Jacob Colter</u>		WELL # <u>1</u>	LOCATION <u>Coldwater</u>	COUNTY <u>Comanche</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>5 to let w/s @ House</u>				

CONTRACTOR Duke #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 788

CASING SIZE 13 1/8 x 2 1/2 DEPTH 788

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL AFU Insert DEPTH 744

PRES. MAX 600 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 44

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 475 BBLs Fresh H₂O

OWNER R J Patrick

CEMENT

AMOUNT ORDERED 225 5x 65.35.4

30 cc 4# Flo-seal 200 5x A

30 cc

COMMON <u>A</u>	<u>100</u>	@ <u>7.15</u>	<u>715.00</u>
POZMIX		@ <u>3.80</u>	
GEL	<u>4</u>	@ <u>10.00</u>	<u>40.00</u>
CHLORIDE	<u>14</u>	@ <u>30.00</u>	<u>420.00</u>
		@	
<u>lite weight</u>	<u>225</u>	@ <u>6.70</u>	<u>1507.50</u>
		@	
<u>Flo-seal</u>	<u>56#</u>	@ <u>1.40</u>	<u>78.40</u>
<u>Top off</u>	<u>100</u>	@ <u>7.15</u>	<u>715.00</u>
HANDLING	<u>455</u>	@ <u>1.15</u>	<u>523.25</u>
MILEAGE <u>455 x 45</u>	<u>105</u>		<u>1023.75</u>

EQUIPMENT

PUMP TRUCK # 343 CEMENTER Justin Hart

HELPER Eric Brewer

BULK TRUCK # 353-3A DRIVER Tanner Fox

BULK TRUCK # _____ DRIVER _____

RECEIVED

TOTAL 5022.90

AUG 2 8 2003

REMARKS:

Pipe on BTM Drop Ball Break Circ

31 BBLs Fresh H₂O

225 5x 65.35.4 @ 12.8# - 79 BBLs

100 5x A 3/2 @ 15.2# - 24 BBLs

Release Plug Disp 475 BBLs Fresh H₂O

land Plug 500-600# Release PSI

Float Held Did not Circulate

Top off 100 5x A 3/2 Circ to Surface

KCC WICHITA SERVICE

DEPTH OF JOB 788

PUMP TRUCK CHARGE 0-800 520.00

EXTRA FOOTAGE 488 @ .50 244.00

MILEAGE 45 @ 3.50 157.50

PLUG 8 1/8 TRP @ _____ 100.00

_____ @ _____ _____

_____ @ _____ _____

CHARGE TO: R J Patrick

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1021.50

FLOAT EQUIPMENT

8 1/8

Baskets @ 360.00 360.00

_____ @ _____ _____

_____ @ _____ _____

_____ @ _____ _____

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL 5022.90

TAX _____

TOTAL CHARGE 5022.90

DISCOUNT 5022.90 IF PAID IN 30 DAYS

SIGNATURE Mike Godfrey

Mike Godfrey

PRINTED NAME

ANY APPLICABLE TAX
WILL BE CHARGED
UPON INVOICING



CEMENTING LOG

STAGE NO.

ORIGINAL

Date 8-8-03 District ML Ticket No. 12882
 Company RJ Patrick Rig Duke #11
 Lease Jacob Colter #1 Well No. 1
 County Comanche State KS
 Location Coldwater South Field _____
70 Jct Hwy w/s

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type _____ Weight 10.5 Collar _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type 50:50:2 + 18% salt
+ 75% CB-31 + 1/4" Flo-scan Excess _____
 Amt. 17 Sks Yield 1.28 ft³/sk Density 14.5 PPG _____
 TAIL: Pump Time _____ hrs. Type 60:40:6
 Excess 13-8

Amt. 5 Sks Yield 1.52 ft³/sk Density _____ PPG _____
 WATER: Lead 5-43 gals/sk Tail 7.8 gals/sk Total _____ Bbls.

RECEIVED

AUG 28 2003

KCC WICHITA

Casing Depths: Top _____ Bottom _____

Pump Trucks Used 380-302 Dave Keller
 Bulk Equip. 259-280 Tracy Ashbarbery

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbbls/Lin. ft. 0.59 Lin. ft./Bbl. 62.70
 Open Holes: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.64
 Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top Rubber Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type 21 KCL Amt. 89 Bbbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE RJ Patrick

CEMENTER Carl Baldrey

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbls Min.	
2:00						Rig up
6:10						Run casing + break circulation circulated for 20 minutes
6:30	200		5	5	5	Mix 5 Bbbls slurry + cement
	200		45	40	5	finish 175 sv 50:50:2 cement wash out pump + lines
6:42						Release plug
6:46	150				6	500' displacement
	150		92	47	6	47 Bbbls out cement from shoe
	150		95	3	4 1/2	50 Bbbls out slow rate
	300		107	12	4 1/2	62 Bbbls out see lift pressure
	700		130	23	3	85 Bbbls out slow rate
	1100		134	4	3	Bump plug
7:10 AM						1 pat delay <u>did NOT hold</u>
				7	3	plug RAT + mouse hole with 255 x 60:40:6

FINAL DISP. PRESS: 700 PSI BUMP PLUG TO 1100 PSI BLEEDBACK float did not hold BBLs. THANK YOU

ALLIED CEMENTING CO., INC. 12882

Federal Tax I.D.# 48-0727860

ORIGINAL
SERVICE POINT:

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

Medicine Lodge

DATE <i>8-8-03</i>	SEC. <i>1</i>	TWP. <i>33S</i>	RANGE <i>19W</i>	CALLED OUT <i>1:00 AM</i>	ON LOCATION <i>2:00 AM</i>	JOB START <i>6:30 AM</i>	JOB FINISH <i>7:10 AM</i>
LEASE <i>Jacob Miller</i>		WELL # <i>1</i>		LOCATION <i>Oldwater, South Jo</i>		COUNTY <i>Comanche</i>	STATE
OLD OR NEW (Circle one)			Type <i>Jet w/s</i>				

CONTRACTOR *Duke*

TYPE OF JOB *Production*

HOLE SIZE *7 7/8* T.D. *6000+*

CASING SIZE *4 1/2 x 10.5* DEPTH *5503*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *1500* MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *89 bbls 21.1 kcl*

OWNER *RJ Patrick*

CEMENT

AMOUNT ORDERED *9 Gal Clapro*

175 5x 50.56 = 2 + 187 salt + 75 x CD-31 + 1/4 float

25 5x 60.40 = 6

COMMON	<i>102 5x @ 7.15</i>	<i>729.30</i>
POZMIX	<i>98 5x @ 3.80</i>	<i>372.40</i>
GEL	<i>5 5x @ 10.00</i>	<i>50.00</i>
CHLORIDE		
Salt	<i>23 5x @ 7.50</i>	<i>172.50</i>
CD-31	<i>110 @ 5.50</i>	<i>605.00</i>
Flt-seal	<i>44 @ 1.40</i>	<i>61.60</i>
Clapro	<i>9 Gal @ 27.90</i>	<i>266.10</i>
HANDLING	<i>232 @ 1.15</i>	<i>266.80</i>
MILEAGE	<i>232 x 45 x .05</i>	<i>522.00</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Carl Balding*

310-202 HELPER *Dave Tola*

BULK TRUCK DRIVER *Travy Cushman*

312-250 DRIVER

BULK TRUCK DRIVER

RECEIVED

AUG 28 2003

TOTAL *2985.70*

REMARKS:

KCC WICHITA SERVICE

Run casing Drop ball + break circulation
circulate 20 minutes mix 5 bbls scavenger
Cement 13.5 PPG, Finish 175 5x Cement 14.5 PPG
wash up pump + lines Release plug + Disp
w/ 89 bbls 21.1 kcl water, change plug
1 float did not hold plug RT + move
16l w/ 25 5x 60.40 = 6

DEPTH OF JOB *5503*

PUMP TRUCK CHARGE *1428.00*

EXTRA FOOTAGE @

MILEAGE *45 @ 3.50* *157.50*

PLUG *Rubber @ 48.00*

TOTAL *1633.50*

CHARGE TO: *RJ Patrick*

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

@		
@		
@		
@		
@		

TOTAL

TAX

TOTAL CHARGE *4619.20*

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE *Marvin Harvey*

MARVIN HARVEY
PRINTED NAME