

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5010

Name: Knighton Oil Company, Inc.

Address 221 S. Broadway

Suite 710 Petroleum Building

City/State/Zip Wichita, Kansas 67202

Purchaser: KANSAS GAS SUPPLY

Operator Contact Person: Earl M. Knighton, Jr.

Phone (316) 264-7918

Contractor: Name: Duke Drilling Company

License: 5929

Wellsite Geologist: David D. Montague

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:

Operator: SEP 20

Well Name: CONFIDENTIAL

Comp. Date 9-20-95 Old Total Depth 4714'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

8/14/95 8/21/95 8/22/95
Spud Date Date Reached TD Completion Date

API NO. 15- 007-224790000 ORIGINAL

County Barber

 - C - NW - SE Sec. 21 Twp. 33 Rge. 14 West

1980 Feet from SN (circle one) Line of Section

1980 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name Davis Well # 7

Field Name Aetna Gas Area

Producing Formation Mississippian

Elevation: Ground 1659' KB 1672'

Total Depth 4720' PBTB 4714'

Amount of Surface Pipe Set and Cemented at 223' & 1080' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to N/A w/ N/A sx cmt.

Drilling Fluid Management Plan ALT 1 JZ 10-10-95
(Data must be collected from the Reserve Pit)

Chloride content 4700 ppm Fluid volume 60 bbls

Dewatering method used allow to dry

Location of fluid disposal if hauled offsite: 9-20-95

Operator Name N/A

Lease Name N/A License No. N/A

N/A Quarter Sec. N/A Twp. N/A Rng. N/A E/W

County N/A Docket No. N/A

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 on 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 David D. Montague
Title Geologist Date 9/20/95

Subscribed and sworn to before me this 20th day of September, 1995

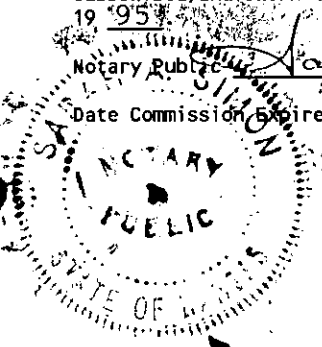
Notary Public Sarah A. Simon
Date Commission Expires 12/11/97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

RELEASED

MAR 23 1998

FROM CONFIDENTIAL



Operator Name Knighton Oil Company, Inc. Lease Name Davis Well # 7
 Sec. 21 Twp. 33 Rge. 14 East West
 County Barber

ORIGINAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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:
 Dual Induction Log, Compensated Density Neutron Log,
 Computer Interpretation Log & Sonic Cement Bond Log.

Name	Top	Datum
Heebner	3856	-2184
Kansas City	4052	-2380
BKC	4520	-2848
Marmaton	4532	-2860
Cherokee Shale	4598	-2926
Mississippian Unconformity	4612	-2940

SEP 20
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION
SEP 20 1995
9-20-95

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.
 CONSERVATION DIVISION WICHITA, KS

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
Conductor	14 1/4"	10 3/4"	32#	223'	60/40 poz	200	3%cc, 2%gel
Surface	8 5/8"	8 5/8"	25#	1080'	class A	100	3%cc
Production	7 7/8"	4 1/2"	10.5#	4714'	60/40 poz	175	

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
4 shots/ft	Perforated 4636 to 4654	Acidize 2000 gal FE
		Frac 37,000 gal gel wtr & 64,000# sd

RELEASED
MAR 23 1998
FROM CONFIDENTIAL

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4632'		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. October, 1995 Producing Method Flowing Pumping Gas Lift Other (Explain)

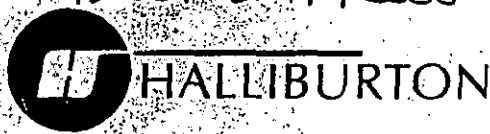
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		250			

Disposition of Gas: **METHOD OF COMPLETION** Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 Production Interval 4636' - 4654'

15-007-22479-0000

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

CUSTOMER COPY



INVOICE

INVOICE NO.	DATE
835373	08/22/1995

WELL NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
VIS 7	BARBER	KS	SAME
CONTRACTOR	JOB PURPOSE		TICKET DATE
DUKE DRILLING #5	CEMENT PRODUCTION CASING		08/22/1995
CUSTOMER NAME	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA
CARD OILPIN			COMPANY TRUCK
			FILE NO.
			95110

ORIGINAL

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598
LIBERAL, KS 67905-0000

KNIGHTON OIL CO., INC.
10 PETROLEUM BUILDING
MCHITA, KS 67202

KCC
SEP 20
CONFIDENTIAL

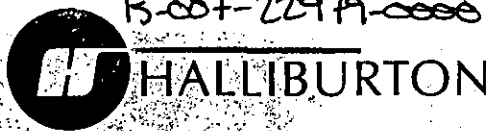
DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
100-127 MILEAGE CEMENTING ROUND TRIP	100 MI		2.75	275.00
01-016 CEMENTING CASING	4716 FT	1 UNT	1,265.00	1,265.00
18-315 MUD FLUSH	500 GAL	1 UNT	.65	325.00
90-016 CEMENTING PLUG 5 1/2" 100' TOP	4 1/2" TM	1 EA	45.00	45.00
2A GUIDE SHOE - 4 1/2" 8RD THD.	1 EA	1 EA	95.00	95.00
825-201 INSERT FLOAT VALVE - 4 1/2" 8RD	1 EA	1 EA	73.00	73.00
815-19101 FILL-UP UNIT 4 1/2"-5"	1 EA	1 EA	45.00	45.00
815-19113 CENTRALIZER 4-1/2 X 7-7/8	6 EA	6 EA	50.00	300.00
806-80004 HALLIBURTON WELD-A	1 EA	1 EA	14.50	14.50
890-10802 CASING SWIVEL W/O WALL CLEANER	1 JOB	1 JOB	185.00	185.00
019-241 CEMENT - 40/60 POZMIX STANDARD	175 SK	175 SK	7.16	1,253.00
504-136 GILSONITE BULK	1050 LB	1050 LB	.40	420.00
508-291 SALT	900 LB	900 LB	.15	135.00
509-368 HALAD-322	73 LB	73 LB	7.00	511.00
507-775 BULK SERVICE CHARGE	209 CFT	209 CFT	1.35	282.15
500-202 MILEAGE CHRG MAT DEL OR RETURN	423.625 TMI	423.625 TMI	.95	402.44

INVOICE SUBTOTAL	RELEASED	6,125.09
DISCOUNT - (BID)	MAR 23 1998	1,960.34
INVOICE BID AMOUNT	3-23-98	4,165.75
* KANSAS STATE SALES TAX	FROM CONFIDENTIAL	114.66

***** CONTINUED ON NEXT PAGE *****

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CUSTOMER COPY



P.O. BOX 551045
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
835373	08/22/1995

WELL/PROJECT LOCATION	STATE	OWNER		
BARBER	KS	SAME		
CONTRACTOR	JOB PURPOSE	TICKET DATE		
DUKE DRILLING #5	CEMENT PRODUCTION CASING	08/22/1995		
CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
CARL GILPIN			COMPANY TRUCK	85110

KNIGHTON OIL CO., INC
710 PETROLEUM BUILDING
RICHTA, KS 67202

KCC
SEP 20
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598
LIBERAL, KS 67905-0000

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
	* - PRATT COUNTY SALES TAX			23.42
INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$4,303.63

RELEASED
MAR 23 1998
FROM CONFIDENTIAL

ORIGINAL

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO
KNIGHTON OIL CO. INC.
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET No. 835373 - 0

PAGE 1 OF 2

1. PLANT, No. 25555	WELL/PROJECT NO. # 7	LEASE DAVIS	COUNTY/PARISH BARBER	STATE KS.	CITY/OFFSHORE LOCATION	DATE 8-22-95	OWNER JAMIE
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR DUKE DRUG.	RIG NAME/NO. # 5	SHIPPED BY C.T. WELL SITE	DELIVERED TO	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035 CRT. PROD. OSG	WELL PERMIT NO. 15-007-224790000	WELL LOCATION UNAUD	21-335-146W	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-117		1			MILEAGE 1 UNIT R.T.	100	miles	2.75		275.00
001-016		1			PUMP CHANGE	6	hrs	476	ft.	1765.00
018-315		1			MUD FRESH	500	gal	.65		325.00
030-016		1			TOP PLUG - 5W ALUM.	1	ea	45		45.00
12A	825.201	1			GUIDE SHOE	1	ea	95		95.00
24A	815.19101	1			INSERT FLOAT VALVE	1	ea	73		73.00
27	815.19113	1			FILL-UP UNIT	1	ea	45		45.00
40	806.60004	1			CENTRALIZERS	6	ea	50		300.00
350	890.10802	1			WELD - H	1	ea	14.50		14.50
019-241		1			CASING SUSPENSEL	1	ea	185		185.00

ORIGINAL

RELEASED
 MAR 23 1998
 FROM CONFIDENTIAL
 CONFIDENTIAL
 SEP 20

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	2937	50
FROM CONTINUATION PAGE(S)	3003	59
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	5941	09

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>Carol Galpin</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>Carol Galpin</i>	HALLIBURTON OPERATOR/ENGINEER <i>KEVIN P. GARDLEY</i>	EMP # <i>08500</i>	HALLIBURTON APPROVAL <i>Kevin P. Gardley</i>
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HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 235373

CUSTOMER	WELL	DATE	PAGE	OF
	DAVIS #5	8-22-95		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			KNIGHTON OIL DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	OF							
504-136		1			40/40 POZW2% GEL	175		SKS		7.16	1253.00
508-291	516.00337	1			GILSONITE BLENDED 6#	1050		lbs		.80	420.00
509-968	516.00158	1			SALT BLENDED (1L)%	900		lbs		15	135.00
507-775	516.00144	1			HALAD 322 BLENDED .5%	72		lbs		7.00	511.00
<p>ORIGINAL</p> <p>NUC</p> <p>SEP 20</p> <p>CONFIDENTIAL</p>					<p>LOADED ON 44110 4+13</p> <p>HALF ON FRONT</p> <p>HALF ON REAR</p>	<p>RELEASED</p> <p>MAR 23 1998</p> <p>FROM CONFIDENTIAL</p>					
500-207 500-306		1			SERVICE CHARGE					1.35	282.15
					MILEAGE CHARGE	TOTAL WEIGHT		LOADED MILES	TOTAL CUBIC FEET	95	402.94
					16,945			50	8,4725		
CONTINUATION TOTAL										3003.59	

No. B 281230

CONTINUATION TOTAL 3003.59



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION11111 0201
PRATT, KS

BILLED ON TICKET NO. 835373

WELL DATA

FIELD _____ SEC. 21 TWP. 335 RING. 14W COUNTY BARBER STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROC. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROC. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT FRONT VALVE</u>	<u>1</u>	<u>HOWCO</u>
FLOAT SHOE <u>FRU UP UNIT</u>	<u>1</u>	<u>"</u>
GUIDE SHOE	<u>1</u>	<u>"</u>
CENTRALIZERS	<u>6</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>5W PLUG</u>	<u>1</u>	<u>"</u>
HEAD <u>1 INCH TUB</u>	<u>1</u>	<u>"</u>
PACKER <u>CHEMICAL SLEEVE</u>	<u>1</u>	<u>"</u>
OTHER <u>WELD A</u>	<u>1</u>	<u>"</u>

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-22</u>	DATE <u>8-22</u>	DATE <u>8-22</u>	DATE <u>8-22</u>
TIME <u>0700</u>	TIME <u>1100</u>	TIME <u>1400</u>	TIME <u>1645</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B. GORDLEY</u>	<u>40033</u>	<u>PRATT, KS</u>
<u>C. NIXON</u>	<u>50120</u>	<u>"</u>
<u>B. WILKINSON</u>	<u>4413</u>	<u>"</u>
<u>C. BROWN</u>	<u>P.U.</u>	<u>PRATT, KS</u>
<u>H. GLOTT</u>	<u>PUMP TRK</u>	<u>"</u>
<u>B. WILKINSON</u>	<u>4413</u>	<u>"</u>
<u>44958</u>	<u>BURN TRK</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API _____

PROP. TYPE _____ SIZE _____ LB _____

PROP. TYPE _____ SIZE _____ LB _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB CMT 4 1/2" PLWD. CSC.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X B. Gordon

HALLIBURTON OPERATOR B. GORDLEY COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>175</u>	<u>40-60 102</u>		<u>B</u>	<u>2% GEL 10% SALT, .5% H322, 6% 15K GILSONITE</u>	<u>1.42</u>	<u>13.83</u>

PRESURES IN PSI _____ SUMMARY _____ VOLUMES _____

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH BBL-GAL. 12 TYPE MUDFLOUT

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 74.5

SHUT-IN INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY BBL-GAL. 44.25

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS PUMP TIME = 25 MIN.

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 26 REASON INSERT FRONT VALVE

CUSTOMER: KNOX HALLIBURTON CO. MUC. LEASE: DHUTS. WELL NO: 17. JOB TYPE: CMT PLWD. CSC. DATE: 8-22-95

JOB LOG HAL-2013-0

 CUSTOMER: **KINISCHON OIL CO. INC #7** LEASE: **DAVIS** JOB TYPE: **CMT 4 1/2 PROD CSC** TICKET NO.: **835373**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0700							ORIGINAL ON LOCATION TD-4716' 26' - SHOE IT. CENTRALIZER 1, 2, 3, 4, 5, 7 - COLLARS
	1100							
								KUG SEP 20 CONFIDENTIAL
	1430							BREAK CIRC. W/ MILD PUMP RIG UP HOWCO TO CHESTNG
	1433	6			-	200		PUMP 12.661 W/ MILD FLUSH
	1508	6			-	200		PUMP 3.661 H ₂ O SPACER SHUT DOWN PLUG PART HOLE & MISC HOLES
			5		-			
	1521	6	0		-	200		START MIX CMT
	1528	6 1/2	39		-	200		FINISH MIX CMT SHUT DOWN WASH OUT CAVES & RELEASE PLUG
	1532	7 1/2	0		-	200		START DISP.
	1539	8	55		-	400		LIFTING CMT
	1542	4	71.5		-	900		PLUG DOWN
	1545							RELEASE - FLOAT (H/L)
								WASH UP RACK UP
	1605							JOB COMPLETE THANKS KERRY CHAD BRIAN

ALLIED CEMENTING CO., INC.

CEMENTING LOG

STAGE NO. **ORIGINAL**

Date 8-14-95 District med. ledge Ticket No. 2060
 Company Knighton Oil Co. Rig Drive
 Lease DAVIS Well No. 7
 County Barber State KANSAS
 Location 1604 Lake City DD Field 21-33-14
4 1/2 S-1W-3 1/2 S-5W-1 S

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

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 10 3/4 Type F-25 Weight 32.75 Collar _____

LEAD: Pump Time SEP 20 hrs. Type _____
 Excess _____

Amt. COM Sks Yield 7140 ft³/sk Density _____ PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Burst Collaps
1,140 PSI 650 PSI

Amt. 200 Sks Yield 1.26 ft³/sk Density 14.8 PPG
 WATER: Lead 25.6 gals/sk Tail _____ gals/sk Total 26 Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used 266, CARL B.
 Bulk Equip. 227 T.M.S.

Drill Pipe: Size 4 1/2 Weight 16.60 Collars x-16.10
 Open Hole: Size 14 3/4 T.D. 227 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .1009 Lin. ft./Bbl. 9.91
 Open Holes: Bbls/Lin. ft. .2113 Lin. ft./Bbl. 4.7316
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. .0991 Lin. ft./Bbl. 10.0923

Centralizers: Quantity _____ Plugs Top Wooden Btm. _____
 Stage Collars _____
 Special Equip. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Disp. Fluid Type Fresh H₂O Amt. 21.39 Bbls. Weight 8.34 PPG
 Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE Joe Livingston

CEMENTER Larry J. Weinking

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL-PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:56	150		45	9	5	mix + Pump 200 Sks. 60/40 1/2% Gal. Stop Pumps Release Plug Start Displace Decrease Rate Stop Pumps - Displace In. Shut In. Cement Circ. to Surface
			18	5	4	
	250		21 1/4	3	2	
8:15						

RELEASED
MAR 23 1998

RECEIVED
 KANSAS CORPORATION COMMISSION

FROM CONFIDENTIAL

SEP 20 1995

CONSERVATION DIVISION
 WICHITA, KS

ALLIED CEMENTING CO., INC. 0970

KCC

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

SEP 20

SERVICE POINT:

Medicine Lodge Ks.

CONFIDENTIAL

DATE <u>08-16-95</u>	SEC. <u>21</u>	TWP. <u>33.5</u>	RANGE <u>14W</u>	CALLED OUT <u>11:00^A</u>	ON LOCATION <u>1:30^P</u>	JOB START <u>3:15</u>	JOB FINISH <u>4:15</u>
LEASE DATE	WELL # <u>7</u>	LOCATION <u>160¹/₂ LAKE CITY RD. 4¹/₂S-1W-3¹/₂S-12W-13</u>			COUNTY <u>BARBER</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

ORIGINAL

CONTRACTOR Duke Digs # 5

TYPE OF JOB SURFACE

HOLE SIZE 9¹/₈-7⁷/₈ T.D. 1080-1125

CASING SIZE 8⁵/₈-10³/₄ DEPTH 1080-250

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 40

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER KNIGHTON OIL CO. INC.

CEMENT

AMOUNT ORDERED 100 SK CLASS A 1% GEL
3% CC - 4% Gyp SEAL

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

RECEIVED

KANSAS CORPORATION COMMISSION

SEP 20 1995

CONSERVATION DIVISION
WICHITA, KS

EQUIPMENT

PUMP TRUCK CEMENTER DEAN R **RELEASED**

237 HELPER JUSTIN H **MAR 23 1998**

BULK TRUCK

242 DRIVER TIMS

BULK TRUCK

_____ DRIVER _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

SERVICE

RAN 8⁵/₈ TO 1080' - CEMENTED WITH
100 SK CLASS A 1% GEL 3% CC 4% GYP SEAL
Disp Plug to 1040' WITH 15.25 BBLs #1336
H²O
NO RETURNS WHILE MIXING OR DISP.
LOST RETURNS WHILE DRIG. @ 710'

DEPTH OF JOB 1080'

PUMP TRUCK CHARGE _____ 445.00

EXTRA FOOTAGE 780 @ .41 _____ 319.80

MILEAGE _____ @ _____

PLUG 1-8⁵/₈ Top Rubber @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: KNIGHTON OIL CO. INC.

STREET 321 S. BROADWAY SUITE 710

CITY WICHITA STATE KANSAS ZIP 67202

FLOAT EQUIPMENT

8⁵/₈ IND. Rubber

1- Baffle Plate @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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.

SIGNATURE [Signature]

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., 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 "ALLIED" 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 "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED 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 terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'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 ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED 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 ALLIED, 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 ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'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. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED 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 ALLIED, 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 ALLIED'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 ALLIED or its employees.

2. With respect to any of ALLIED'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 ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED 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. ALLIED 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. ALLIED'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 ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED 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 ALLIED 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 ALLIED 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 ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., INC. 2060

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

SEP 20

CONFIDENTIAL

SERVICE POINT:

med. ledge, ks.

DATE <u>8-14-95</u>	SEC. <u>21</u>	TWP. <u>3.3</u>	RANGE <u>14</u>	CALLED OUT <u>3:30 P.M.</u>	ON LOCATION <u>5:00 P.M.</u>	JOB START <u>7:45 P.M.</u>	JOB FINISH <u>8:15 P.M.</u>
LEASE <u>Davis</u>	WELL# <u>7</u>	LOCATION <u>1/2 ct + lake C.L. DD 4 1/2 S. 1 W. 3 1/2</u>			COUNTY <u>Barber</u>	STATE <u>KS.</u>	

OLD OR NEW - (Circle one) NEW - IS

ORIGINAL

CONTRACTOR Dave Drlg #5

TYPE OF JOB Surface

HOLE SIZE 14 3/4 T.D. 227

CASING SIZE 10 3/4 DEPTH 226

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 227

TOOL _____ DEPTH _____

PRES. MAX 150 MINIMUM 100

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

OWNER Knighten Oil Co.

CEMENT

AMOUNT ORDERED 200 Sks. 60/40 / 3% CaCl₂ / 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Kerry D.

266 HELPER Carl B.

BULK TRUCK

227 DRIVER Tim S.

BULK TRUCK

_____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

RECEIVED
KANSAS CORPORATION COMMISSION

HAND RELEASED SEP 20 1995

MILEAGE _____

MAR 23 1998

CONSERVATION DIVISION
WICHITA, KS
TOTAL _____

FROM CONFIDENTIAL

REMARKS:

SERVICE

mix + Pump 200 Sks 60/40 / 3% CaCl₂ / 2% Gel. Release Plug. Displace 21 3/4 Bbls Fresh H₂O Stop Pumps. Shut In Cement Line to Surface

DEPTH OF JOB 226'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG wooden _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Knighten Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., 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 "ALLIED" 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 "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED 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 terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

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(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 ALLIED'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 ALLIED or its employees.

2. With respect to any of ALLIED'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 ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

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WARRANTIES: 1. ALLIED 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. ALLIED'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 ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED 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 ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

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