

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

API NO. 15- 097-21,313-0000

County Kiowa

S/2 S/2 SE Sec. 10 Twp. 29 Rge. 17 xx East West

330 Ft. North from Southeast Corner of Section

1320 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Conklin Well # 1

Field Name Conklin

Producing Formation Cherokee Conglomerate

Elevation: Ground 2079' KB 2088'

Total Depth 4865' PBTD

Operator: License # 8392

Name: Jim Emerson

Address 3108 Natalie

City/State/Zip Plano, TX 75074

Purchaser: Clear Creek

Operator Contact Person: Eli Hammerschmidt

Phone: (316) 532-5388

Contractor: Name: Duke Drilling Co., inc.

License: 5929

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: _____

Well Name: _____

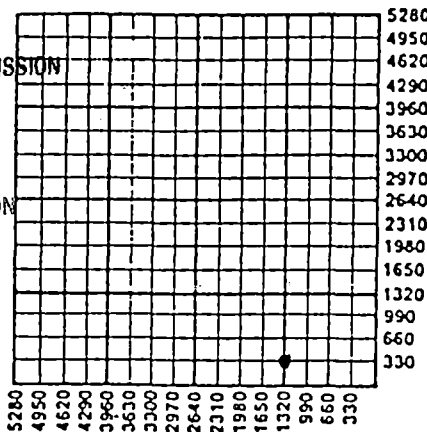
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

06-20-91 06-27-91 7-26-91
Spud Date Date Reached TD Completion Date

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CONSERVATION DIVISION
Wichita, Kansas

9-3-91



ATI

Amount of Surface Pipe Set and Cemented at 440' 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Jim Emerson

Title _____ Date 8-27-91

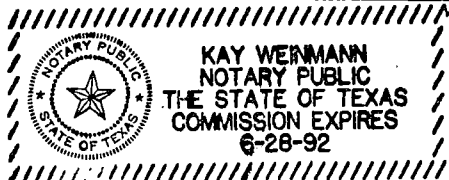
Subscribed and sworn to before me this 28 day of August, 19 91.

Notary Public Kay Wermann

Date Commission Expires 06-28-92

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C Wireline Log Received
C _____ Drillers Timelog Received

Distribution
 KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)



SIDE TWO

Operator Name Jim Emerson Lease Name Conklin Well # 1
 Sec. 10 Twp. 29 Rge. 17 East County Kiowa
 West

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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 (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> <tr> <td>Lansing</td> <td>4163'</td> <td></td> </tr> <tr> <td>Cherokee</td> <td>4683'</td> <td></td> </tr> <tr> <td>Cherokee Cong.</td> <td>4731'</td> <td></td> </tr> <tr> <td>Mississippian</td> <td>4777'</td> <td></td> </tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Lansing	4163'		Cherokee	4683'		Cherokee Cong.	4731'		Mississippian	4777'	
Formation Description																						
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Cherokee	4683'																					
Cherokee Cong.	4731'																					
Mississippian	4777'																					

CASING RECORD New 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
Surface	12 1/4"	8-5/8"	20#	440'	60/40poz	220	2% gel 3% cc.
Production	7-7/8"	4 1/2"	10.5#	4864'	Thix-o-Tropic	135	2% gel 5# Cal Seal

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4743'-4754'	2500 Gal 15% NE Acid	4743'- 4754'
	Frac:	12,000# 100 mesh sand	
		26,000# 20-40 sand	
		65,000# 12-20 sand	

TUBING RECORD Size 2 7/8" Set At 4713' Packer At _____ Liner Run Yes No

Date of First Production 7-26-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 10 Bbls. Gas 10 Mcf Water 20 Bbls. Gas-Oil Ratio 1,000:1 Gravity 37

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____ Production Interval _____

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

NO 1323 ORIGINAL

NEW

Date	6-20-91 6-19-91	Sec.	10	Twp.	29	Range	17	Called Out		On Location	10:30 PM	Job Start	2:30 AM	Finish	3:30 AM	
Lease	Conklin	Well No.	1	Location				Harland 45 3'hw 1 1/2 S 4 E T 10	County	Rowa	State	KS				
Contractor	Duke Drlg #4															
Type Job	Surface Casing															
Hole Size	12 1/4	T.D.	450'													
Csg.	8 5/8	Depth	444'													
Tbg. Size		Depth														
Drill Pipe		Depth														
Tool		Depth														
Cement Left in Csg.	15'	Shoe Joint														
Press Max.		Minimum														
Meas Line		Displace	27.93 BB1's													
Perf.																

EQUIPMENT

GT Bend No.	Cement	Phil
Pumptrk 195	Helper	Don
Pumptrk No.	Cement	
	Helper	
Bulktrk 101	Driver	Mark
Bulktrk	Driver	

DEPTH of Job

Reference:	Pump Trk Chg	
	Pump Trk mfg	
1	8 5/8 Plug	
	Sub Total	
	Tax	
	Total	

Remarks: Cement did Circulate

Thank You!
 Allied Cementing Co Inc.
 By Philip Timmigan
 Drlg 850'

Owner Same
 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 listed.

Charge To Jim Emerson

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X

CEMENT

Amount Ordered 220 sks 60140 2% gel 3% cc

*Consisting of

Common
 Poz. Mix
 Gel.
 Chloride
 Quickset

Sales Tax

Handling

Mileage

RECEIVED
 STATE CORPORATION COMMISSION
 Sub Total

SEP 03 1991

Total

Floating Equipment

CONSERVATION DIVISION
 Wichita, Kansas

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.

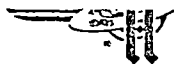
2. More specifically:

(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 willful 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.

ORIGINAL



F.O. BOX 351040
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

INVOICE

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
097743	07/19/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
CONKLIN 1		KIOWA		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		DUKE DRILLING CO	CEMENT PRODUCTION CASING		06/27/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
274133	ELI HAMMERSCHMIDT			COMPANY TRUCK	17904

EMERSON OIL & GAS
3108 NATALIE
PLANO, TX 75074

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M
000-117	PRICING AREA - MID CONTINENT MILEAGE	36	MI
		1	UNT
001-016	CEMENTING CASING	4862	FT
		1	UNT
030-016	CEMENTING PLUG 5W ALUM TOP	4.5	IN
		1	EA
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA
825.201			
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA
815.19101			
27	FILL-UP UNIT 4 1/2"-5"	1	EA
815.19113			
40	CENTRALIZER 4-1/2" MODEL S-4	3	EA
807.93004			
018-317	SUPER FLUSH	12	SK
509-968	SALT	250	LB
504-308	STANDARD CEMENT	135	SK
507-277	HALLIBURTON-GEL BENTONITE	3	SK
508-292	GILSONITE, SACKED	1100	LB
507-210	FLOCELE	68	LB
508-127	CAL SEAL	7	SK
500-207	BULK SERVICE CHARGE	177	CFT
500-306	MILEAGE CMTG MAT DEL OR RETURN	266.62	TMI
	INVOICE SUBTOTAL		
	DISCOUNT-(BID)		
	INVOICE BID AMOUNT		
	*-KANSAS STATE SALES TAX		
	*-PRATT COUNTY SALES TAX		
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT	=====	

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CONSERVATION DIVISION
Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT

Duke Drilling Company, Inc.

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

6/20/91

FOR 24 HOURS ENDING AT MIDNIGHT _____ 19__ RIG NO. 4
 WELL OWNER Emerson LEASE Conklin WELL NO. 1
 SECTION 10 TOWNSHIP 29 RANGE 17 W. COUNTY Kiowa STATE KS
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS:				
SIZE					
MAKE					
SERIAL NO.					
SERIAL NO.					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
	<u>0</u>			<u>172</u>	<u>Delwayne Chism 10</u>			
					<u>Paul Schilowsky 10</u>			
					<u>Danny Seachris 10</u>			
					<u>Laverne Wilcox 10</u>			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>#1</u>	REMARKS: <u>6'45" - 10'15" Lead Out Rig 10'15" - 100' Mud</u>				
SIZE <u>12 1/4"</u>	<u>Rig From Steedel "B" #4 to Conklin #1</u>				
MAKE <u>Smith</u>	<u>100' - 4'45" Set Rig In & Rig up Derrick In Air</u>				
SERIAL NO. <u>FD5</u>	<u>@</u>				
SERIAL NO. <u>L20773</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DERRICKMAN	MOTORMAN	HELPER	HELPER
<u>0</u>	<u>360'</u>	<u>360</u>	<u>sand - shale</u>	<u>145</u>	<u>Jerry Handerschoff 12</u>			
					<u>Jeff Palacio 12</u>			
					<u>Earl Davis 12</u>			
					<u>Frank Symank 12</u>			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>#1</u>	REMARKS: <u>Flange Rig up + Mix Mud</u>				
SIZE <u>12 1/4"</u>	<u>6'20" - 7'05" 50'nd 7'05" - 7'20" Condition Mud 7'10" Mud Dlg</u>				
MAKE <u>Smith</u>	<u>Surface Hole @ 1/2 hr condition mud 1/2 hr Clean Set Sec</u>				
SERIAL NO. <u>FD5</u>	<u>1 hr Conns</u>				
SERIAL NO. <u>L20773</u>					

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 Wichita, Kansas

ORIGINAL

Duke Drilling Company, Inc.

DAILY DRILLING RECORD

GREAT BEND, KANSAS

FOR 24 HOURS ENDING AT MIDNIGHT

6-20 1991 RIG NO. #14

WELL OWNER Ernsch LEASE Cook/K... WELL NO. 47

SECTION 10 TOWNSHIP 29 RANGE 17W COUNTY Nowa STATE Kansas
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	102	
860	9:50	150		DRILLER	Morris Jennings 8
				DERRICKMAN	Danny Buch 8
				MOTORMAN	Bryan Loring 8
				HELPER	M. K. Bowen 8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. #1	REMARKS: 10:45-1:05 Drlg Surface 1:05-1:25 Circ Hole				
SIZE 1 1/4"	Close x 2 1/2 turn 1:25-2:00 4 1/2 out with 1 3/4" 5 1/2"				
MAKE Smith	2:00-2:50 Run 10 Joints 5' x 20' x 9252 set Ht 94022				
SERIAL NO. FDS	2:50-3:30 Cement Surface - 3:30-6:45 Surface work				
SERIAL NO. A20773					
HRS 4					

FROM	DRILLED TO	FEET DRILLED	FORMATION	120	
450	9:30	480	lime & shale & clay	DRILLER	DeWayne Chism 8
				DERRICKMAN	Paul Schilowsky 8
			20 Gal 1 Caustic	MOTORMAN	Danny Seachris 8
			1 lignite	HELPER	Laverne Wilcox 8
			1 Soda Ash	HELPER	
Fuel 32 1/2	208 Gal	Delivered 1448 Gal @ .634			

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. #2	REMARKS: 6:45-11:30 W.O.C. - Cut 100' Drlg line - Nipple cap				
SIZE 7/8"	- In Hole w/ Bit #2 - Clean Out Radiators on Pump Motors - 11:30				
MAKE HTC	11:40 Drill Plug & 35' Cement 11:40-2:45 Drlg				
SERIAL NO. ATJ-1					
SERIAL NO. TOOHX					
HRS 2					

FROM	DRILLED TO	FEET DRILLED	FORMATION	*	
930	1410	480	lime & shale	DRILLER	DeWayne Chism 8
				DERRICKMAN	Paul Schilowsky 8
			36 Gal 2 Caustic	MOTORMAN	Danny Seachris 8
			2 lignite	HELPER	Laverne Wilcox 8
			2 Soda Ash	HELPER	
STATE CORPORATION COMMISSION	SEP 03 1991	Slope Test #10			
WICHITA DIVISION	Wichita, Kansas				

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. #2	REMARKS: 2:45-3:15 Drlg 3:15-3:25 Hgt @ 993' 3:25-6:20				
SIZE 7/8"	Drlg w/ 5 min Clean Screen 6:20-6:30 Jet #1 @ 1274' 6:30-				
MAKE HTC	8:25 Drlg 8:25-10:10 Slope Test & Bit Trip @ 1381'				
SERIAL NO. ATJ-1	10:10-10:45 Drlg				
SERIAL NO. TOOHX					
HRS 1 1/2					

Duke Drilling Company, Inc.

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

FOR 24 HOURS ENDING AT MIDNIGHT 6-22-91 RIG NO. 41
 WELL OWNER Jim Emerson LEASE Con. Hill WELL NO. 1
 SECTION 10 TOWNSHIP 29 RANGE 17N COUNTY Rawl STATE Kansas
 IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	102	
1410	1470	500	Lime & Shale	DRILLER	Morris Jennings 8
			36 Gal	DERRICKMAN	Danny Punch 8
			2 Coverlic	MOTORMAN	Byron King 8
			21.5	HELPER	M. Co Bowen 8
			2 Soda Ash	HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>#3</u>	REMARKS: 10'45-55 Drlg @ 5-1105 Rlg @ 1428 11:05-2:05 Drlg				
SIZE <u>78</u>	2:05-2:12 Jet #1 @ 1643 2:12-5:05 Drlg @ 5:25 10:00-10:07				
MAKE <u>HTC</u>	#2 @ 1292 5:30-6:45 Drlg @ 6:00				
SERIAL NO. <u>ATOH H</u>					
SERIAL NO. <u>027PP</u>					
<u>HRS</u> <u>6 1/2</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	120	
1970	2335	365	Lime & Shale	DRILLER	DeWayne Chism 8
			56 Gal	DERRICKMAN	Paul Schilowsky 8
			1 Coverlic	MOTORMAN	Danny Seachris 8
			1 Lignite	HELPER	Laverne Wilcox 8
			3 Soda Ash	HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>#3</u>	REMARKS: 10:45-6:50 Drlg 6:50-7:00 Rlg @ 1986' 7:00-				
SIZE <u>7 7/8</u>	7:40 Drlg 7:40-8:00 Jet #1 @ Clean Screen @ 2049 8:00-				
MAKE <u>HTC</u>	10:50 Drlg 10:50-11:00 Jet #2 @ 2205' 11:00-2:45 Drlg				
SERIAL NO. <u>AT-11 H</u>					
SERIAL NO. <u>627PP</u>					
<u>HRS</u> <u>13 1/2</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	145	
2335	2525	210	Lime & Shale	DRILLER	Jerry Heiderscheit 8
				DERRICKMAN	Jeff Palazzo 8
				MOTORMAN	Earl Davis 8
				HELPER	FRANK Synank 8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>3</u>	REMARKS: 2:45-3:40 Drlg 3:40-3:55 Rlg @ Jet #2 @ 230				
SIZE <u>7 7/8</u>	3:55-5:50 Drlg 5:50-6:00 Jet #1 @ 2423 6:00-10:45				
MAKE <u>HTC</u>	Drlg				
SERIAL NO. <u>AT-11 H</u>					
SERIAL NO. <u>627PP</u>					
<u>HRS</u> <u>20 1/4</u>					

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 03 1991
 CORPORATION DIVISION
 Wichita, Kansas

Duke Drilling Company, Inc.

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

FOR 24 HOURS ENDING AT MIDNIGHT

6-23

1991

RIG NO. #14

WELL OWNER Empress LEASE Co. K/M WELL NO. 1
 SECTION 10 TOWNSHIP 29 RANGE 17 COUNTY Nowa STATE Kansas
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DEGREE OFF
2595	2658	2163	Lime & Shale	102 Morris Jennings	8
			25 Gal 1 3/4 lbs Ash	DERRICKMAN Danny Bunch	8
				MOTORMAN Brian Long	8
				HELPER Mike Bowen	8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>H3</u>	REMARKS: 1045-1110 Dily 1100-1110 R/Ry 6' @ 260'				
SIZE <u>7/8"</u>	1110-2:00 Dily 2:00-2:05 Jet #1 @ 2902' 2:05-4:35 Dily				
MAKE <u>HTC</u>	2:35-4:45 Jet #2 @ 2796' 4:45-6:45 Dily				
SERIAL NO. <u>ATJ-11H</u>					
SERIAL NO. <u>G27PP</u>					
<u>27</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DEGREE OFF
2858	3104	246	Lime & Shale	120 DeWayne Chism	8
				DERRICKMAN Paul Schilowsky	8
				MOTORMAN Danny Seachris	8
				HELPER Laverne Wilcox	8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>H3</u>	REMARKS: 645-655 R/Ry @ 2858' 655-945 DR19 945-				
SIZE <u>7/8"</u>	1000 Jet #1 @ 2953' 1000. 245 DR19				
MAKE <u>HTC</u>					
SERIAL NO. <u>ATJ-11H</u>					
SERIAL NO. <u>G27PP</u>					
<u>HRS</u>					
<u>3414</u>					

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER	DEGREE OFF
3104	3365	261	Lime & Shale	145 Jerry Heiderscheit	8
			RECEIVED STATE CORPORATION COMMISSION	DERRICKMAN Jeff Pelcio	8
			SEP 03 1991	MOTORMAN Earl Davis	8
			CORPORATION DIVISION WICHITA, KANSAS	HELPER FRANK Symonk	8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. <u>3</u>	REMARKS: 2:15-2:55 Dily 2:55-3:15 R/Ry 1 Jet #1 @ 3109				
SIZE <u>7/8"</u>	3:15-7:20 Dily 7:20-7:30 Jet #2 @ 3265'				
MAKE <u>HTC</u>	7:30-10:45 Dily				
SERIAL NO. <u>ATJ-11H</u>					
SERIAL NO. <u>G27PP</u>					
<u>41</u>					

Duke Drilling Company, Inc.
GREAT BEND, KANSAS

DAILY DRILLING RECORD
ORIGINAL

FOR 24 HOURS ENDING AT MIDNIGHT 6-24 1991 RIG NO. #4
 WELL OWNER Jim Emerson LEASE Conklin WELL NO. #1
 SECTION 10 TOWNSHIP 29 RANGE 17 COUNTY Kiowa STATE Kansas
IF INJURED, SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	102	
3365	3608	243	Lime & Shale	DRILLER	Morris Jennings 8
				DERRICKMAN	Danny Banch 8
			1 Gal 1 Soda Ash	MOTORMAN	Bryan Laing 8
				HELPER	Mike Bowen 8
				HELPER	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	#3	REMARKS: 10:45-11:35 Drlg 11:35-95 L-RIG @ 3391				
SIZE	3 1/2	11:45-2:10 Drlg 2:10-2:40 L-RIG @ 3458 2:40-6:45 Drlg				
MAKE	HTC	1/2 Corn				
SERIAL NO.	AT-11H					
SERIAL NO.	6277P					
	764					

FROM	DRILLED TO	FEET DRILLED	FORMATION	120	
3608	3872	264	Lime & Shale	DRILLER	Delwayne Chism 8
				DERRICKMAN	Paul Schilowsky 8
			51 Gal 5 Caustic 5 Lignite 35 Soda Ash 1/2 P.H.P.H.	MOTORMAN	Danny Seacheis 8
				HELPER	Laverne Wilcox 8
				HELPER	
Fuel 35 1/2	477 Gal				

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	#3	REMARKS: 6:45-6:55 Rig @ 3610 6:55-7:50 Drlg 7:50-				
SIZE	7 1/2"	900 Jet Bits & Clean Out Suction Pit & Displacement @ 3641 900-				
MAKE	HTC	2 1/2 DRLG				
SERIAL NO.	AT-11H					
SERIAL NO.	6277P					
	HRS 54 1/2	System Displaced @ 3695'				

FROM	DRILLED TO	FEET DRILLED	FORMATION	145	
3872	4035	163	Lime & Shale	DRILLER	Jerry Heiderscheit 8
				DERRICKMAN	Jeff Palacio 8
			1/2 P.H.P.H. RECEIVED STATE CORPORATION COMMISSION	MOTORMAN	Earl Davis 8
				HELPER	FRANK Symank 8
				HELPER	
					SEP 03 1991
					CONSERVATION DIVISION
					WICHITA, KANSAS

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	3	REMARKS: 2:45-3:45 Drlg 3:45-4:05 Rig @ 3893 & Fill				
SIZE	7 1/2"	Bit mix 4:05-10:45 Drlg				
MAKE	HTC					
SERIAL NO.	AT-11H					
SERIAL NO.	6277P					
	615					

Duke Drilling Company, Inc.

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

6-25 19 91 RIG NO. # 4

FOR 24 HOURS ENDING AT MIDNIGHT

WELL OWNER JIM Emerson LEASE Conklin WELL NO. 11
 SECTION 10 TOWNSHIP 29 RANGE 17 COUNTY kiowa STATE Kansas
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	102	
4035	4210	175	Lime & Shale	DRILLER	Morris Jennings 8
				DERRICKMAN	Danny Bunch 8
				MOTORMAN	Bryon Laing 8
				HELPER *	Jerry Heiderscheit 8
				HELPER *	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	3	REMARKS: 10:45-11:15 Drlg. 11:15-11:25 R/c. 11:25-5:05 Drlg				
SIZE	7/8	5:05-5:40 Change Pump Head Rig Side same Rod				
MAKE	HTC	5:40-6:45 Drlg				
SERIAL NO.	NTJ-11H					
SERIAL NO.	627 PP					
Hours	68 1/4					

FROM	DRILLED TO	FEET DRILLED	FORMATION	120	
4210	4370	160	Lime & Shale	DRILLER	DeWayne Chism 8
			1 Caustic	DERRICKMAN	Paul Schilowsky 8
			1 Ligand	MOTORMAN	Danny Seuchris 8
				HELPER	Laverne Wilcox 8
				HELPER	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	3	REMARKS: 1:45-8:10 Drlg 8:10-8:20 R/c @ 4238' 82.0				
SIZE	7/8"	10:50 Drlg 10:50-11:00 Clean Screen @ 4301 11:00-2:45 Drlg				
MAKE	HTC	w/ 1/2 min Fill Pac Mix				
SERIAL NO.	NTJ-11H					
SERIAL NO.	627 PP					
Hours	75 1/4					

FROM	DRILLED TO	FEET DRILLED	FORMATION	145	
4370	4500	130	Lime & Shale	DRILLER	Jerry Heiderscheit 8
				DERRICKMAN	Jack Palacio 8
				MOTORMAN	Earl Davis 8
				HELPER	FRANK Symank 8
				HELPER	

DRILLING BITS		CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	3	REMARKS: 2:45-3:10 Drlg 3:10-4:00 R/c @ 4395				
SIZE	7/8	4:00-10:45 Drlg w/ 20 min Fill Pac + 1/2 gal Fuel				
MAKE	HTC	Filters on Pump				
SERIAL NO.	NTJ-11H					
SERIAL NO.	627 PP					
Hours	82 1/4					

RECEIVED
 THE
 STATE CORPORATION COMMISSION
 SEP 05 1991
 CONSTRUCTION DIVISION
 Kiowa, Kansas

Duke Drilling Company, Inc.

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

FOR 24 HOURS ENDING AT MIDNIGHT

6-26-91

RIG NO. #14

WELL OWNER Jim Emanson LEASE Conklin WELL NO. 46
 SECTION 10 TOWNSHIP 29 RANGE 17 COUNTY kiowa STATE Kansas
 IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
4500	4622		Lime & Shale	Morris Jennings 8
				Derrickman Danny Bunch 8
			1 COUSTIC 1 Log w/ide	Motorman Bryan King 8
				Helper Kim Maizer 8
				Helper

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. #3 SIZE 7/8" MAKE HTC SERIAL NO. A12-114 SERIAL NO. 6277P -90%	REMARKS: 1095-1145 Dily 11:45-11:55 ✓ Rq @ 45 19 11:55-5:55 Dily 5:55-6:05 Conn & Fill pipe mix 6:05-6:45 Dily				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
4622	4737		Lime & Shale	120 DelWayne Chism 8
			10.6e1 1 PH PA 1 Coustic	Derrickman Paul Schilowsky 8
				Motorman Danny Seachris 8
				Helper Laverne Wilcox 8
				Helper

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. #3 SIZE 7/8" MAKE HTC SERIAL NO. A12-114 SERIAL NO. 6277P 18"	REMARKS: 1645-815 DR19 8:15-8:25 Rq @ 4645 825- 245 DR19 w/5 min Fill Pre-Mix				

FROM	DRILLED TO	FEET DRILLED	FORMATION	DRILLER
4737	4865		R19	145 Jerry Heiderscheit
				Derrickman Jeff Palao's
				Motorman Earl Davis
				Helper FRANK Symank
				Helper

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO. 3 SIZE 7/8" MAKE HTC SERIAL NO. A12-114 SERIAL NO. 6277P 102"	REMARKS: 2145-3:00 R @ 4739 3:00-3:15 Dily 3:15- 4:20 CFS @ 4750 4:20-4:40 Dily 4:40-5:45 CFS @ 4770 5:45-10:35 Dily 10:35-10:45 Cond Shale @ 4865				

Duke Drilling Company, Inc.

GREAT BEND, KANSAS

DAILY DRILLING RECORD

ORIGINAL

FOR 24 HOURS ENDING AT MIDNIGHT _____ 19____ RIG NO. _____

WELL OWNER _____ LEASE _____ WELL NO. _____

SECTION _____ TOWNSHIP _____ RANGE _____ COUNTY _____ STATE _____
IF INJURED: SIGN AND DESCRIBE INJURY UNDER REMARKS WE HAVE NOT BEEN INJURED THIS DAY

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	102	
				DRILLER	Morris Jennings 8
				DERRICKMAN	Danny Bunch 8
				MOTORMAN	Bryan King 8
			Loggers TD	HELPER	Kim Messer 8
				HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 10:45 - 11:05 Circ 11:05 - 1:35 Trip out with Bit				
SIZE	For Log 1:35 - Logging				
MAKE					
SERIAL NO.					
SERIAL NO.					

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	120	
4865	RTD			DRILLER	DeWayne Chism 8
4864	LTD			DERRICKMAN	Paul Schilowsky 8
				MOTORMAN	Donny Seachris 8
			* Lay Down Hook 4' Donny Seachris Right Side of Gorge - Head / Went for Stiches	HELPER	Laverne Wilcox 8
Fuel 54"	4026d			HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 6:45 - 6:55 IN Hole w/Bit 6:55 - 7:55 Circ To Clean				
SIZE	Hole 7:55 - 11:00 Lay Down Drill Pipe & Collars 11:00 - 2:30				
MAKE	Rig-up Loggers & Logging 2:30 - 2:45 Deltae Work				
SERIAL NO.					
SERIAL NO.					

DRILLED FROM	DRILLED TO	FEET DRILLED	FORMATION	145	
			RAN 4 1/2 X 10.5" X 4868	DRILLER	Jerry Heiderscheit 8
			Set to 4864 6mT w/ 135	DERRICKMAN	Jett Palacio 8
			5x 1 1/2" - 100ft 2 1/2" GAL - Seal	MOTORMAN	Earl Davis 8
			8x Galsonite 1/2" Stawson	HELPER	Frank Symonk 8
			Start 5:35 P.M. 6:30pm	HELPER	
			Hullington	HELPER	

DRILLING BITS	CASING RECORD: SIZE	BOTTOMED AT	CEMENT USED	DEFLECTION SURVEY	DEGREES OFF
RUN NO.	REMARKS: 2:45 - 3:15 Rig up 3:15 - 4:50 Run 4 1/2 casing				
SIZE	4:50 - 5:45 Circ and rig up Cement 5:45 - 6:30 P.M.				
MAKE	- Tear down				
SERIAL NO.					
SERIAL NO.					

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 SEP 03 1991
 CONSERVATION DIVISION
 Wichita, Kansas