

ORIGINAL

SIDE ONE

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

API NO. 15- 185-22,791-0000

County Stafford

SE NW NE Sec. 31 Twp. 21 Rge. 12  East West

4290' Ft. North from Southeast Corner of Section

4290' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

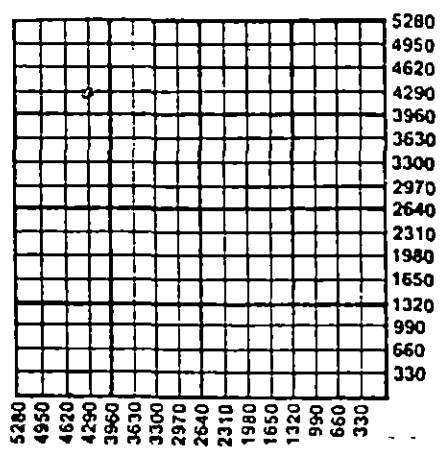
Lease Name Frank Well # 1

Field Name Gates

Producing Formation \_\_\_\_\_

Elevation: Ground 1870' KB 1875'

Total Depth 3675' PBSD \_\_\_\_\_



AITI DFO

Amount of Surface Pipe Set and Cemented at 320' 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.

Operator: License # 6039

Name: L. D. Drilling, Inc.

Address RR 1 Box 183 B

City/State/Zip Great Bend, Kansas 67530

Purchaser: \_\_\_\_\_

Operator Contact Person: L.D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. Drilling, Inc.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If OWO: old well info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

8-3-91 8-7-91  
Spud Date Date Reached TD Completion Date

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 L.D. Davis L. D. Davis

Title President Date 8-14-91

Subscribed and sworn to before me this 14 day of August, 19 91.

Notary Public Bessie M. DeWerff  
Bessie M DeWerff

Date Commission Expires 5-20-93

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 L. D. Drilling, Inc. Lease Name FRANK Well # #1  
 Sec. 31 Twp. 21 Rge. 12 County Stafford  
 East  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  Yes  No  
 (Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)  
 No DST test done

**Formation Description**

Log  Sample

Name	Top	Bottom
Anhy	680-704	(+1194)
Heeb.	3164	(-1289)
Toronto	3182	(-1307)
Doug	3197	(-1322)
Br. LM	3296	(-1421)
Lans.	3311	(-1436)
B. K/C	3533	(-1658)
Cong.	3675	(-1684)

**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	12½	8 5/8"	28	320'	40/60 POZ	200	2%gel, 3%cc

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

**TUBING RECORD** Size Set At Packer At Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

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

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 \_\_\_\_\_

913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

15.185.22791.0000

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ME 1917

ORIGINAL

New

Date	8-7-91	Sec.	31	Twp.	21	Range	12	Called Out	12:30 P.M.	On Location	2:15 P.M.	Job Start	4:00 P.M.	Finish	5:00 P.M.
Lease	Frank	Well No.	#1	Location				BT + SF COLU ON 281, 55 <sup>3</sup> / <sub>4</sub> E 1/4		County	Stafford	State	KS.		
Contractor	L.D. Drilling					Owner					SWAMP				
Type Job	Rotary Plug					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.									
Hole Size	7 <sup>7</sup> / <sub>8</sub> "		T.D.		3675'										
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe	4 <sup>1</sup> / <sub>2</sub> "		Depth		700'										
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

**EQUIPMENT**

#	No.	Cementor	Tim
Pumptrk	181	Helper	Cary
#	No.	Cementor	
Pumptrk		Helper	
#	No.	Driver	Mark
Bulktrk	101	Driver	

**DEPTH of Job**

Reference:	Pumptrk Charge	
	Pumptrk Mileage	
1	8 <sup>5</sup> / <sub>8</sub> Anyhole Plug	
	Sub Total	
	Tax	
	Total	

Remarks: Mixed 50 SKS at 700'  
 50 SKS at 350'  
 10 SKS at 40'  
 15 SKS in Pothole.

Charge To	L.D. Drilling		
Street			
City	State		
The above was done to satisfaction and supervision of owner agent or contractor.			
Purchase Order No.	X <i>[Signature]</i>		
<b>CEMENT</b>			
Amount Ordered	125 SKS @ 40 1090 Gel.		
Consisting of			
Common			
Poz. Mix			
Gel.			
Chloride	RECEIVED		
Quickset	STATE OF KANSAS COMMISSION		
AUG 20 1991			
Handling	SALES TAX		
Mileage			
			Sub Total
			Total
Floating Equipment			

Allied Cementing  
 By Tim Dickson

Frank  
 5

## 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.

HALLIBURTON SERVICES

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 173025-6

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Great Bend DATE 8-3-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: L.D. Drilling Inc. (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Frank SEC 31 TWP 21S RANGE 12W

FIELD COUNTY Stafford STATE KS OWNED BY

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE THICKNESS FROM TO PACKER TYPE SET AT TOTAL DEPTH MUD WEIGHT BORE HOLE INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS. Includes fields for NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., SHOTS/FT.

PREVIOUS TREATMENT: DATE TYPE MATERIALS TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Handwritten notes and signatures in the treatment instructions section.

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees... THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED... a) To pay Halliburton in accord with the rates and terms... b) To defend, indemnify, release, and hold harmless Halliburton... 1. Damage to property owned by... 2. Reservoir, formation, or well loss... 3. Personal injury or death... c) The defense, indemnity, release and hold harmless obligations... d) That Halliburton warrants only title to the products, supplies and materials... e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment... f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act... g) That this contract shall be governed by the law of the state where services are performed... h) That Halliburton shall not be bound by any changes or modifications in this contract...

RECEIVED COMMISSION

AUG 20 1991

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. SIGNED DATE TIME

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

OKlahoma City  
Great Bend

ORIGINAL  
BILLED ON TICKET NO. 173025-6

### WELL DATA

FIELD \_\_\_\_\_ SEC. 31 TWP. 21S RNG. 12W COUNTY Stafford STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	21/28	8 7/8	6.2	314	
LINER	<input type="checkbox"/>					
TUBING	<input type="checkbox"/>					
OPEN HOLE	<input type="checkbox"/>		12 1/4	314	320	SHOTS/FT.
PERFORATIONS	<input type="checkbox"/>					
PERFORATIONS	<input type="checkbox"/>					
PERFORATIONS	<input type="checkbox"/>					

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-3-91</u>	DATE <u>8-3-91</u>	DATE <u>8-3-91</u>	DATE <u>8-3-91</u>
TIME <u>1400</u>	TIME <u>1800</u>	TIME <u>11</u>	TIME <u>2</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOES		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>1</u>	<u>Hawco</u>
HEAD	<u>1</u>	<u>Hawco</u>
PACKER		
OTHER		

### 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 \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. R. ...</u>	<u>...</u>	<u>Great Bend</u>
<u>M. R. ...</u>	<u>...</u>	<u>"</u>
<u>...</u>	<u>...</u>	<u>...</u>

RECEIVED

STATE CORPORATION COMMISSION

AUG 20 1991

ATION DIVISION

DEPARTMENT \_\_\_\_\_

DESCRIPTION OF JOB \_\_\_\_\_

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X P. G.

HALLIBURTON OPERATOR S. M.

COPIES REQUESTED \_\_\_\_\_

### CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CUFT/SK.	MIXED LBS/GAL.
	<u>250</u>	<u>40 lb</u>	<u>Pur</u>	<u>...</u>	<u>...</u>	<u>1.37</u>	<u>14.31</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 16 REASON Requested

PRESLUSH: BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL 175

CEMENT SLURRY: BBL-GAL 15.2

TOTAL VOLUME: BBL-GAL \_\_\_\_\_

REMARKS \_\_\_\_\_









COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

7926883

ORIGINAL

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3000	8:12		
1	13	1	
	14	1	
		1/2	
	15	1/2	
5	16	1	
		1/2	
	17	1/2	
		1/2	
	18	1/2	
10		1/2	
	19	1/2	
		1/2	
	20	1/2	
		1/2	
15	21	1/2	
		1/2	
	22	1/2	
		1/2	
	23	1/2	
20	24	1	
	25	1	
		1/2	
	26	1/2	
	27	1	
25		1/2	
	28	1/2	
	29	1	
	30	1	
	31	1	
30	32	1	
	33	1	
	34	1	
	34/38	1	
	39	1	
35	40	1	
	42	2	
	43	1	
	44	1	
	45	1	
40	47	2	
	48	1	
	50	2	
	53	3	
	55	2	
45	57	1	
	9:00	9	
	02	2	
	03	1	
	05	2	
50	6	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50			
51	7 1/2	1 1/2	
	9 1/2	2	
	11	1 1/2	
	12 1/2	1 1/2	
55	13 1/2	2	
	17	2 1/2	
	20 1/2	3 1/2	
	22	1 1/2	
	25	3	
60	27	?	
	28	1	
	29	1	
	30	1/2	
	30	1/2	3000
65	34/34 1/2	1	
	35 1/2	1	
	36	1/2	
	-	1/2	
	37	1/2	
70	-	1/2	
	38	1/2	
	-	1/2	
	39	1/2	
	40	1	
75	41	1	
	41 1/2	1/2	
	42	1/2	
	43	1	
	44 1/2	1 1/2	
80	45	1/2	
	46	1	
	47	1	
	48	1	
	-	1/2	
85	49	1/2	
	50	1	
	-	1/2	
	51	1/2	
	-	1/2	
90	52	1/2	
	53	1	
	-	1/2	
	54 1/2	1	
	55	1/2	2000
95	57/50	1	
	1	1	
	3	2	
	5 1/2	2 1/2	
	7	3 1/2	
100	10	2	

RECEIVED  
STATE CORPORATION COMMISSION

AUG 20 1991

CORPORATION DIVISION  
Wichita, Kansas

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

ORIGIN

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3/60	10		
1	13	2	
	15	2	
	17	2	
	20	3	
5	22	2	
	25	3	
	26	1	
	27	1	
	28	1	
10	30	2	
	33	3	
	35	2	
	37	2	
	40	3	
15	44	4	
	47	3	
	50	3	
	54	4	
	58	4	
20	01	3	
	03	2	
	5	2	
	6-	1-	
	8-	2	
25	11	2-	
	12-	1-	
	14	1-	
	12/20	2	
	22	2	
30	4	2	
	26-	2-	
	8	1-	
	31	3	
	34	3	
35	38	4	
	40	2	
	43	3	
	47	4	
	51	4	
40	4	3	
	57	3	
	12-	3	
	2	1-	
	4	2	
45	6	2	
	8	2	
	10	2	
	13	3	
	16	3	
50	12	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	19		
51	22	3	
	5	3	
	28	3	
	30-	2-	
55	3-	2-	
	37	3-	
	40	3	
	43/46	3	
	49	2	
60	51	2	
	3	2	
	55	3	
	59	2	
	01	3	
65	2	2	
	5	2	
	6-	1-	
	7-	1	
	8-	1	
70	11	2-	
	15	4	
	17-	2-	
	20	2-	
	3	3	
75	5	2	
	27 1/2	2-	
	30	2-	
	2	2	
	4	2	
80	7	3	
	9 1/2	2-	
	4 1/2	2-	
	4	2	
	6	2	
85	8	2	
	50-	1-	
	2	1-	
	3	1	
	4-	1-	
90	5 1/2	2	47 vis
	3	3-	9 wt
	4-	1-	98 wt
	6-	2	5.000 cbl
	9	2-	11 1/2 ph
95	17	3	
	15	3	
	8	3	
	2 1/2	3-	
	3	1-	
100	5	2	

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

ORIGINAL

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	25		
1	6	1	
	8	1	
	30	2	
	32	2	
5	34	2	
	36	2	
	38	2	
	40	2	
	44	4	
10	46	2	
	48	2	
	51	3	
	53	2	
	55	2	
15	57	2	
	3:00	3	
	02	2	
	04	2	
	7	3	
20	12/14	2	
	16	2	
	18	2	
	20	2	
	22	2	
25	24	2	
	26	2	
	28	2	
	30	2	
	32	2	
30	34	2	
	36	2	
	38	2	
	40	2	
	41	1	
35	43	2	
	45	2	
	47	2	
	49	2	
	51	2	
40	52	1	
	54	2	
	55	1	
	57	2	
	59	2	
45	4:01	2	
	02	1	
	4	2	
	6	2	
	7	1	
50	9	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	11	2	
51	13	2	
	15	2	
	17	2	
	20	3	
55	22	2	
	24	2	
	25	1	
	27	2	
	29	2	
60	30	1	
	32	2	
	34	2	
	35	1	
	37	2	
65	39	2	
	40	1	
	42	2	
	44	2	
	45	1	
70	46	1	
	47	1	
	49	2	
	50	1	
	52	2	
75	54	2	
	55	1	
	57	2	
	59	2	
	5:00	1	
80	02	2	
	04	2	
	05	1	
	7/9	2	
	11	2	
85	12	1	
	14	2	
	16	2	
	17	1	
	19	2	
90	20	1	
	22	2	
	24	2	
	25	1	
	27	2	
95	29	1	
	29	1	
	33	4	
	37	4	
	40	3	
3:30	41	4	

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

ORIGINAL

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300	1/4	4	
	48	4	
	52	4	
	55	3	
	59	4	
5	6:02	3	
	5	3	
	8	3	
	12	4	
	14	2	
10	16	2	
	18	2	
	22	4	
	26	4	
	30/33	3	
15	35	2	
	38	3	
	41	3	
	44	3	
	47	3	
20	50	3	
	54	4	
	57	3	
	7:01	3	
	05	4	
25	4	4	
	12	3	
	15	3	
	18	3	
	21	3	
30	25	4	
	29	4	
	33	4	
	36	3	
	39	3	
35	43	4	
	46	3	
	50	4	
	54	4	
	57	3	
40	8:06	3	
	02	2	
	06	4	
	10	4	
	13	3	
45	16/19	3	
	23	4	
	27	4	
	31	4	
	37	2	
50	36	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	36	2	
	38	2	
	40	2	
	42	2	
	45	3	
55	48	3	
	51	3	
	54	3	
	58	4	
	9:02	4	
60	6	4	
	10	4	
	14	4	
	18	4	
	22	4	
65	26	4	
	30	4	
	33	5	
	39	4	
	43	4	
70	47	4	
	49	2	
	51	2	
	54	3	
	57	3	
75	10:00	3	
	3/5	2	U15 4/4 lot 9-2
	7	2	W1 10 CE
	11 1/2	4 1/2	
	14 1/2	3	
80	17 1/2	3	
	21	3 1/2	
	25	4	
	27	2	
	31	4	
85	34 1/2	3 1/2	
	38	3 1/2	
	42	4	
	45	3	
	48	3	
90	51 1/2	3 1/2	
	54 1/2	3	
	57	2 1/2	
	58	1	
	59	1	
95	11:01	2	
	2	1	
	4	2	
	6 1/2	2 1/2	
	8 1/2	2	
100	10 1/2	2	

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

ORIGIN

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	11:10 $\frac{1}{2}$		
1	12 $\frac{1}{2}$	2	
	15	2 $\frac{1}{2}$	
	17 $\frac{1}{2}$	2 $\frac{1}{2}$	
	20 $\frac{1}{2}$	3	
5	23	2 $\frac{1}{2}$	
	25 $\frac{1}{2}$	2 $\frac{1}{2}$	CONN V RIG
	3 $\frac{1}{2}$ /59	2 $\frac{1}{2}$	vis 49 wt 9 w 86
	41 $\frac{1}{2}$	2 $\frac{1}{2}$	
	44	2 $\frac{1}{2}$	
10	47 $\frac{1}{2}$	3 $\frac{1}{2}$	
	50 $\frac{1}{2}$	3	
	53	2 $\frac{1}{2}$	
	56 $\frac{1}{2}$	3 $\frac{1}{2}$	
	59	2 $\frac{1}{2}$	
15	12:01 $\frac{1}{2}$	2 $\frac{1}{2}$	
	4 $\frac{1}{2}$	3	
	8	3 $\frac{1}{2}$	
	11	3	
	14	3	
20	18	4	
	21	3	
	23 $\frac{1}{2}$	2 $\frac{1}{2}$	
	26 $\frac{1}{2}$	3	
	29	2 $\frac{1}{2}$	
25	31 $\frac{1}{2}$	2 $\frac{1}{2}$	
	34	2 $\frac{1}{2}$	
	37	3	
	40	3	
	43	3	
30	47	4	
	51	4	
	54	3	
	57	3	
	59	2	
35	1:00	1	
	$\frac{1}{2}$	$\frac{1}{2}$	
	$\frac{2}{3}$	$\frac{1}{3}$	
	1:01	$\frac{1}{3}$	CONN
	5/6	1	
40	8	2	
	8 $\frac{1}{2}$	$\frac{1}{2}$	
	9	$\frac{1}{2}$	
	10	1	
	13	3	
45	16	3	
	19	3	
	22	3	
	25 $\frac{1}{2}$	3 $\frac{1}{2}$	
	29	3 $\frac{1}{2}$	
50	33	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	33	5	
51	38	5	
	41	3	
	44	3	
	47	3	
55	51	4	
	54	3	
	56 $\frac{1}{2}$	2 $\frac{1}{2}$	
	59	2 $\frac{1}{2}$	
	2:01 $\frac{1}{2}$	2 $\frac{1}{2}$	
60	4 $\frac{1}{2}$	3	CFS 30/60
	20/23 $\frac{1}{2}$	3 $\frac{1}{2}$	
	27	3 $\frac{1}{2}$	
	31	1	
	35	4	
65	40	5	
	44	4	
	48 $\frac{1}{2}$	4 $\frac{1}{2}$	
	53	4 $\frac{1}{2}$	
	57	4	CONN
70	3:01/4	3	
	7	3	
	10	3	
	13	3	
	17	4	
75	19	2	
	21	2	
	23	1	
	24	1	
	24 $\frac{1}{2}$	$\frac{1}{2}$	
80	26 $\frac{1}{2}$	2	
	30	3 $\frac{1}{2}$	
	34	4	
	38	4	
	42	4	
85	43 $\frac{1}{2}$	4 $\frac{1}{2}$	
	50 $\frac{1}{2}$	4	
	54 $\frac{1}{2}$	4	
	58 $\frac{1}{2}$	4	
	4:02 $\frac{1}{2}$	4	
90	6 $\frac{1}{2}$	4	
	10 $\frac{1}{2}$	4	
	15	4 $\frac{1}{2}$	
	18	3	
	22	4	
95	26	4	
	30 $\frac{1}{2}$	4 $\frac{1}{2}$	
	35	4 $\frac{1}{2}$	
	40	5	
	44 $\frac{1}{2}$	4 $\frac{1}{2}$	
5500	49	4 $\frac{1}{2}$	

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. TWP. RGE. LOC. COUNTY STATE  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

ORIGIN.

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	4:47	53	4
1	56 1/2	5:00	3 1/2
	4	4	
	7 1/2	3 1/2	
5	11 1/2	4	
	14 1/2	3	
	17 1/2	3	
	20 1/2	3	
	24	3 1/2	
10	27 1/2	3 1/2	
	31	3 1/2	
	35	4	
	39	4	
	43 1/2	4 1/2	
15	47 1/2	4	
	51	3 1/2	
	54 1/2	3 1/2	
	57	2 1/2	
	6:00	3	
20	2 1/2	2 1/2	
	4 1/2	2	
	7	2 1/2	
	9 1/2	2 1/2	
	12	2 1/2	
25	14	2	
	16 1/2	2 1/2	
	18 1/2	2	
	21 1/2	3	
	24	2 1/2	
30	28	4	
	31	3	conn 49 vis
	35/38	3	9.3 wt
	42 1/2	4 1/2	8.6 wt
	46 1/2	4	
35	50	3 1/2	
	54	4	
	57	3	
	7:00	3	
	2	2	
40	5	3	
	7	3	
	10	3	
	3-	3-	
	6	2-	
45	10	3	
	2-	3-	
	5-	3	
	29	3-	
	33	4	
50	6	3	50 vis 9 wt 9 wt 7000 chlor 10 2 ph

DEPTH	TIME O'CLOCK	MIN.	REMARKS
51	39	3	
	42	3	
	6	4	
	50	4	
55	2	3	
	56	4	
	8:00	4	
	4	4	
	8	4	
60	10	2	
	12	2	
	15	3	conn
	16/16	3	
	17	3	
65	21	3	
	23	3	
	26	3	
	29	3	
	42	3	
70	48	3	
	49	4	
	51	3	
	54	2	
	57	3	
75	9:00	3	
	9	3	
	6	3	
	9	3	
	12	2	
80	14	2	
	16	2	
	18	2	
	21	3	
	23	2	
85	25	2	
	27	2	
	29	2	
	31	2	
	33	2	
90	35	2	
	37	2	
	39	2	CONN
	40/40	1	
	46	2	
95	47 1/2	1 1/2	
	50	2 1/2	
	52	2	
	54	2	
	56	2	
3600	58	2	

COMPANY \_\_\_\_\_ FARM \_\_\_\_\_ WELL NO. \_\_\_\_\_  
 SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RGE. \_\_\_\_\_ LOC. \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_ SIZE HOLE \_\_\_\_\_ DRILL PIPE \_\_\_\_\_  
 REMARKS: \_\_\_\_\_ SIZE PUMP LINERS \_\_\_\_\_ LENGTH STROKE \_\_\_\_\_

ORIGINAL

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>3600</del>	<del>58</del>	<del>2</del>	
	1000	2	
	02	2	
	4	2	
	6	2	
	8 1/2	2 1/4	
	11	2 1/2	
	13	2	
	15	2	
	17	2	
10	19	2	
	21	2	
	23	2	
	25	2	
	27	2	
	29	2	
	31 1/2	2 1/2	
	34	2 1/2	
	36	2	
	38	2	
20	41	3	
	43	2	
	46	3	
	48	2	CONN
	<del>51</del>	<del>2</del>	
	53	2	
	55	2	
	57	2	
	59	2	
	1-	2-	
	4	2-	
30	6	2	
	8	2	
	10	2	
	12-	2-	
	15	2-	
	17-	2-	
	20	2-	
	22	2	
	4-	2-	
	7	2-	
40	29	2	
	31	2	
	33	2-	
	36	2-	
	38	2-	
	41	2-	
	43	2-	
	6	2-	
	8	2	
	51	3	
50	3	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
<del>51</del>	<del>55</del>	<del>2</del>	
	7-	2-	
	12	2-	
	2	2-	
	6/8	2	
	11	2	
	4	2	
	6-	2-	
	19	2-	
	22	2	
	5	3	
	27	2	
	30	2	
	2-	2-	
	5-	3	
	38	2-	
	41	3	
	3	2	
	46	3	
70	7	2	
	50	2	
	53	3	
	56	3	
	58	2	
75	100	2	Shp