

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- 185-22,652-0000
County Stafford
NW NE SW Sec. 9 Twp. 23 Rge. 14 East West

Operator: License # 6039
Name: L.D. Drilling, Inc.
Address Route 1 Box 183-B
Great Bend, KS. 67530

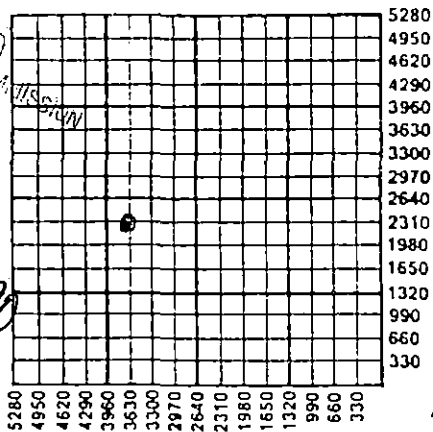
2310 Ft. North from Southeast Corner of Section
3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Purchaser: Clear Creek
Operator Contact Person: L.D. Davis
Phone (316) 793-3051

Lease Name Beaver Well # 5
Field Name Crissman
Producing Formation Simpson
Elevation: Ground 1943 KB 1948
Total Depth 4050 PBTB

Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Kim Shoemaker
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

STATE CORPORATION COMMISSION RECEIVED JUN 27 1990
CONSERVATION DIVISION Wichita, Kansas
APR 30 1990
CONSERVATION DIVISION Wichita, Kansas



If ~~OWO~~ old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Drilling Method:
 Mud Rotary Air Rotary Cable
2-20-90 2-25-90 3-22-90
Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 457 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 L.D. Davis
Title L. D. Davis President Date 4-25-90
Subscribed and sworn to before me this 25th day of April, 19 90.
Notary Public Bessie M. DeWerrif
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)



ORIGINAL

SIDE TWO

Operator Name L.D. Drilling, Inc. Lease Name Beaver Well # 5

Sec. 9 Twp. 23 Rge. 14 East West County Stafford

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.)	<p align="center">Formation Description</p> <p><input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>848</td><td>(+1100)</td></tr> <tr><td>Heebner</td><td>3387</td><td>(-1439)</td></tr> <tr><td>Brown Lime</td><td>3520</td><td>(-1572)</td></tr> <tr><td>Lansing</td><td>3536</td><td>(-1588)</td></tr> <tr><td>B K/C</td><td>3782</td><td>(-1834)</td></tr> <tr><td>Cong.</td><td>3837</td><td>(-1889)</td></tr> <tr><td>Viola</td><td>3890</td><td>(-1942)</td></tr> <tr><td>Simp. Shale</td><td>3942</td><td>(-1994)</td></tr> <tr><td>Simp. Sand</td><td>3953</td><td>(-2005)</td></tr> <tr><td>Arbuckle</td><td>4005</td><td>(-2057)</td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	848	(+1100)	Heebner	3387	(-1439)	Brown Lime	3520	(-1572)	Lansing	3536	(-1588)	B K/C	3782	(-1834)	Cong.	3837	(-1889)	Viola	3890	(-1942)	Simp. Shale	3942	(-1994)	Simp. Sand	3953	(-2005)	Arbuckle	4005	(-2057)
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CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	24#	457'	Lite	150	3% cc
Production	7-7/8"	4 1/2"	9.5#	4048'	60/40poz	50	2% gel 3% cc
					60/40poz	150	18% salt .75% Halad
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
2 spf	3970-76, 3961-67			500 gal. 15%			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer At					
2 7/8"	4046'						
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
March 22, 1990							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	50		trace				

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 3967-4018

DISTRICT GREAT PLAINS DATE 2-20-90

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. 5 LEASE BEAVER SEC. 9 TWP. 23S RANGE 14W
FIELD _____ COUNTY STAFFORD STATE KS OWNED BY SPANN

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS _____ FROM _____ TO _____							
PACKER: TYPE _____ SET AT _____							
TOTAL DEPTH _____ MUD WEIGHT _____							
BORE HOLE _____							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

INIT. PROD. U.S.G.

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED.

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for, and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - (j) 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.
 - (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
 - (l) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED [Signature] CUSTOMER

DATE 2-20-90

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.

TIME 4:30 A.M. P.M.

CUSTOMER

HALLIBURTON SERVICES
JOB LOG

WELL NO. 5 LEASE BEAVER TICKET NO. 914131
 CUSTOMER L. D. DRILLING INC. PAGE NO. 1
 JOB TYPE CONT. SERV. RSC DATE 8-20-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:00							PAILED OUT
	11:45							UP LOCATIONS (SEE STALL DRILLING)
								BREAK. MISC.
	11:11	9	0			375 ^{mm}		MIX CONT. 4114 38L SL. 150 SKS 11/20 11/21 11.31 500 SKS 4/10/12
	11:20	8	52.45			400 ^{mm}		RELEASE P.L.G. 5' SHUT IN (25 3/4 PALS DOW)
	11:25		81.71					PULL DOWN WIRE LOG 462' (SET COLLAR CONT. RETURNED 7' DEEP COLLAR) SHUT IN WASH UP
	12:15							JOB CONT.
								THANK YOU M. BALABAN D. SMITH B. FALK

CUSTOMER



HALLIBURTON SERVICES

Duncan, Oklahoma 73036

A Division of Halliburton Company

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 914131

DATE 2-20-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Beaver #5	COUNTY Stafford	STATE Ks.
CHARGE TO L.D. Drilling Incorporated		OWNER L.D. Drlg. Inc.	CONTRACTOR Duke Drlg.	No. B 888239
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 50320	PREPARED BY S. C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 0977-6660	RECEIVED BY <i>W.R. Delgado</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-316		4	B	Halliburton Light Cement 50 40% Pozmix/60% Cement	150	skt			4.82	723.00
504-308	516.00261	1	B	Standard Cement	30	skt			5.35	160.50
506-105	516.00286	1	B	Pozmix A	20	skt			2.79	55.80
506-121	516.00259	1	B	1 Halliburton Gel 2% Allowed						NC
509-406	890.50812	1	B	Calcium Chloride 3%W/200	5	skt			26.25	131.25
					Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET		
500-207		1	B	SERVICE CHARGE			CU. FEET 210	.95	199.50	
500-306		1	B	Mileage Charge	18,616 TOTAL WEIGHT	15 LOADED MILES	139.62 TON MILES	.70	97.73	
No. B 888239		CARRY FORWARD TO INVOICE					SUB-TOTAL		1367.78	

THIS IS NOT AN INVOICE

JOB SUMMARY

DIVISION WILLIAMS
 HALLIBURTON LOCATION CREAT BEED

BILLED ON TICKET NO. 914131

WELL DATA

FIELD _____ SEC. 9 TWP. 23S RANG. 14W COUNTY STAFFORD STATE KY

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			<u>8 7/8</u>	<u>K13</u>	<u>4720</u>	<u>10350</u>
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>K13</u>	<u>4115</u>	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

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

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-20</u>	DATE <u>2-20</u>	DATE <u>2-20</u>	DATE <u>2-20</u>
TIME <u>11:00</u>	TIME <u>11:45</u>	TIME <u>16:00</u>	TIME <u>17:15</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. Bel. Hard</u>	<u>50545</u>	<u>50510</u>
<u>D. Smith</u>	<u>49475</u>	<u>5292</u>
<u>B. Folk</u>	<u>75055</u>	<u>50510</u>
	<u>0977</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API
 DISPL. FLUID _____ DENSITY _____ LB/GAL-API
 PROP. TYPE _____ SIZE _____ LB.
 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
 PRIC. RED. AGENT TYPE _____ GAL-LB _____ IN
 BREAKER TYPE _____ GAL-LB _____ IN
 BLOCKING AGENT TYPE _____ GAL-LB _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____

DEPARTMENT COIT
 DESCRIPTION OF JOB Well Serv. 456
 JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE X [Signature]
 HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
	<u>150</u>	<u>Hawsco</u>	<u>417C</u>		<u>3% C.C.</u>	<u>1.54</u>	<u>13.1</u>
	<u>50</u>	<u>40 Per. Co</u>	<u>57A (2) 417C</u>		<u>3% C.C.</u>	<u>1.27</u>	<u>14.30</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL-GAL _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 27.26
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL-GAL 41.14 + 11.31 = 52.45
 ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL _____
 TREATING _____ DISPL. _____ CEMENT LEFT IN PIPE _____
 FEET 10 REASON AC-CO (57C)

REMARKS
TOTAL 216 475' SET 1' OFF BOTTOM

CUSTOMER: _____ LEASE: _____ WELL NO: _____ JOB TYPE: _____ DATE: 2-20-88



FORM 1900 R-11

WELL NO. - FARM OR LEASE NAME 7F5 Beaver		COUNTY STAFFORD	STATE KS	CITY / OFFSHORE LOCATION	DATE 2-25-90
CHARGE TO L.O. Drilg Inc		OWNER Same		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Duke Drilg #1		LOCATION 16+ Beaver	CODE 50320
CITY, STATE, ZIP		SHIPPED VIA 51797	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2	CODE
WELL TYPE 0.1	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO Location	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB Longstring 035		ORDER NO. B-		REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists, 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. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and material. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any product, supply or material is expressly limited to the replacement of such product, supply or material or their return to Halliburton, or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE	15	mi			2.20	33.00
001-016		1		Pump Charge	8	hrs	1077	ft		1056.00
030-018		1		SW Plug	1	eg	4 1/2	in		45.00
018-317		1		Super Flush	12	ks	500	gal	74.00	888.00
12A	825.201	1		Guide Shoe	1	eg	4 1/2	in		83.00
24A	815.19101	1		INSERT-FLOAT	1	eg	4 1/2	in		73.00
27	815.19111B	1		Auto Fill up	1	eg	4 1/2	in		27.50
40	807.93004	1		Centralizers	4	eg	4 1/2	in	41.00	164.00

THIS IS THE ORIGINAL COPY
 NOT A COPY

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-**

WAS JOB SATISFACTORILY COMPLETED? Excellent
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X L.D. DAVIS
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 X L.D. Davis
 CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1930, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND ON WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

 HALLIBURTON OPERATOR

 CUSTOMER APPROVAL

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

WELL DATA

FIELD 7 SEC 23 TWP 14 RNG 14 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	61	7.5	4.5	KB	4099'	
LINER						
TUBING						
OPEN HOLE			7 7/8	4047	4250'	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COCKLE INSERT 4 1/2"	1	H.W.C. Co.
FLOAT SHOE		
GUIDE SHOE 4 1/2"	1	" "
CENTRALIZERS S-4 4 1/2"	4	" "
BOTTOM PLUG		
TOP PLUG S 4 1/2"	1	" "
HEAD		
PACKER		
OTHER		

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL _____ % _____

SURFACTANT 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 _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-24	DATE 2-24	DATE 7-24	DATE 2-25-90
TIME 19:30	TIME 21:00	TIME 22:30	TIME 02:00

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
G. Smith	5177	64 Be. of
W. Smith	6000	Be. of
L. Williams	3046-608	" "
	Balk	

DEPARTMENT Cement

DESCRIPTION OF JOB Centralizers 7-1/2" 1-3-5-8

Total Pipe 4060'

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Alan Regaly COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS./GAL.
	60	40/60	P-2	B	18% Salt 75% Mhd-22	1.32	14.60
	75	40/60	P-2	B	18% Salt 75% H.L. 1-3-5-8 5" CEL	1.75	14.2
	15	40/60	P-2	B	50% P-2 R. Under Waterbell.	1.32	14.6

PRESSURES IN PSI

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 12.45 REASON Shut in

SUMMARY

PRESLUSH 3 bbl GAL _____ TYPE 20-1-1

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

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 66.4

CEMENT SLURRY: BBL-GAL _____

TOTAL VOLUME: BBL-GAL _____

REMARKS

3 bbl SPACER

CUSTOMER 10
DATE 2-25-90
LEASE Beaver
WELL NO. 75
JOB TYPE Long 5 ft. well

DISTRICT 6th Bevel DATE 2-25-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: 1 D Ocala Texas (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #5 LEASE Beaver SEC. 9 TWP. 23 RANGE 14

FIELD _____ COUNTY STEFFORD STATE KY OWNED BY Searcy

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW P.S.I.
CASING		<u>W</u>	<u>95</u>	<u>4 1/2"</u>	<u>K 2</u>	<u>4247'</u>	
LINER							
TUBING							
OPEN HOLE				<u>7 3/4"</u>	<u>4047'</u>	<u>4250'</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Set 4 1/2" long string with 60 sks 40 lb pipe 18% salt 757 Hb-1-322
and 75 sks 40 lb pipe 487 salt 757 Hb-1-322 5 ft. inside, Prof. flush with
2000/4000 # salt flush and 500 gal Super Flush
15 sks used for Roth hole & water well 150 total sks Total Pipe 1640'

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 stated in Halliburton's current price list. Invoices are 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 attorneys 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.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claim, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section (b) and Section (c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections (b) and (c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and reporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for repair, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED [Signature] CUSTOMER

DATE 2-24-90

TIME 2:00 P.M.

CUSTOMER

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 914160

DATE 2-24-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Beaver #1	COUNTY Stafford	STATE Ks.
CHARGE TO L. D. Drilling		OWNER L. D. Drlg.	CONTRACTOR Duke Drlg.	
MAILING ADDRESS		DELIVERED FROM Great Bend, Ks.	LOCATION CODE 50320	PREPARED BY S.C. Henry
CITY & STATE		DELIVERED TO Location	TRUCK NO. 3046-6608	RECEIVED BY <i>[Signature]</i>

No. **B 888248**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				150 40%pozmix/60%Cement						
504-308	516.00261	1	B	Standard Cement	90	sk			5.35	481.50
506-105	516.00286	1	B	Pozmix A	60	sk			2.79	167.40
506-121	516.00259	1	B	3 Halliburton Gel 2% allowed						NC
509-968	516.00315	1	B	Salt Blended 18%W/150	1300	lb.			.052	67.60
509-968	516.00158	1	B	Salt not mixed	400	lb.			.052	20.80
508-291	70.15573	1	B	Gilsonite Blended 5#W/75	400	lb.			.35	140.00
507-775	516.00144	1	B	Halad-322 Blended .75%W/150	97	lb.			5.60	543.20

THIS IS NOT AN INVOICE

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
		SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET	
500-207		1	B	SERVICE CHARGE		182	.95
							172.90
500-306		1	B	Mileage Charge	15.355	15	.70
				TOTAL WEIGHT	115.16		80.61
No. B 888248		CARRY FORWARD TO INVOICE				SUB-TOTAL	1654.01

CUSTOMER

JOB LOG

WELL NO. 117100 LEASE DC4VER TICKET NO. 117100

CUSTOMER L.O. Dring PAGE NO. 1

FORM 2013 R-2

JOB TYPE Long string DATE 2-25-90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							On Location
	1230							Run Float equipment & Casing
	1350							Casing on bottom
	2400							Break Circ. Rig Pump
	2415							hook up to Casing
	0039	5	20				500	Run Salt Flush
	0037	5	3				500	Run Spacer
	0038	5	12				500	Run Super Flush
	0041	5	3				500	Run Spacer
	0042	7	11.1				600	M.A. lead amt
	0045	7	11.6				400	Mic Tail amt
	0052							Wash out lines (Release Plug)
	0055	8					200	Start Disp
	0100	8					300	Cmt coming around
	0119	4					629	Decrease Rate
	1:20		66.4				1100	Lead Plug
	1:22							Release PSI
	1:23							Float held
	1:30							Put 5SKs in water well
								leave 10SKs for Patch hole
	1:35							Wash up
	2:00							Job Complete
								Thank You!
								FOR YOUR BUSINESS
								Glen Byerly 85826
								Wayne Wilson 89377
								Carl Byrman 88531

CUSTOMER

COMPANY L.D. FARM BEAVER WELL NO. 5
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR SIZE HOLE DRILL PIPE
 REMARKS: SIZE PUMP LINERS LENGTH STROKE

DATE 2-21-90 1:49 A.M.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
830			
35			
840	1:49	$\frac{1}{2}$	
		$\frac{1}{2}$	
		$\frac{1}{2}$	
		$\frac{1}{2}$	
45	50	$\frac{1}{2}$	
		$\frac{1}{2}$	
		$\frac{1}{2}$	
	51	$\frac{1}{2}$	✓
	52	1	
850	53	1	
		$\frac{1}{2}$	
		$\frac{1}{2}$	
	54	$\frac{1}{2}$	
		$\frac{1}{2}$	
55		$\frac{1}{2}$	
	55	$\frac{1}{2}$	CONN ✓
	59	$\frac{1}{2}$	
	2:00	$\frac{1}{2}$	
	01	1	
860	02	$\frac{1}{2}$	
		$\frac{1}{2}$	
	03	$\frac{1}{2}$	
	04	1	
65	05	$\frac{1}{2}$	IN BOX
		$\frac{1}{2}$	
	06	$\frac{1}{2}$	
	07	1	
	08	1	
870		$\frac{1}{2}$	
	09	$\frac{1}{2}$	
	10	1	
		$\frac{1}{2}$	
	11	$\frac{1}{2}$	
75	12	1	
	13	1	
	13	$\frac{1}{2}$	
	14	$\frac{1}{2}$	
	15	1	
880	15	$\frac{1}{2}$	✓

DEPTH	TIME O'CLOCK	MIN.	REMARKS
880	15	$\frac{1}{2}$	
	16	$\frac{1}{2}$	
		$\frac{1}{2}$	
85		$\frac{1}{2}$	
	17	$\frac{1}{2}$	CONN
890			
95			
900			
05			
910			
15			
920			
25			
930			

COMPANY L D Drilling FARM Beaver WELL NO. 5
 SEC. 9 TWP. 23 RGE. 14 LOC. NW-NE-SW COUNTY Stafford STATE Ks
 CONTRACTOR Duke Rig #1 SIZE HOLE 7 1/2 DRILL PIPE 4 1/2
 REMARKS: ANNY 848-850 ? SIZE PUMP LINERS 6" LENGTH STROKE 15"
856-850 ?

DATE 2-23-90 2:06 A.M.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	2:07		
	07	1	
	09	2	
	11	2	
	13	2	
5	15	2	
	17	2	
	19	2	
	21	2	
	23	2	
10	25	2	
	27	2	
	29	2	
	30	1	
	31	1	
15	32	1	
	33	1	
	34	1	
	35	1	
	36	1	vis wt
20	37	1	39 8.9
	38	1	
	39	2	
	40	1	
3225	41	1	
	42	1	
	43	1	CONN
	44	1	
	45	1	
30	51	1	
	52	1	
	53	1	
	54	1	
	55	1	
35	56	1	
	57	1	
	58	1	
	59	1	
	3:00	1	
40	1	1	
	2	1	
	3	1	
	4	1	
	5	1	
45	6	1	
	7	1	
	8	1	
	9	1	
	10	1	
3250	12	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	17		
	13	1	
	14	1	
	15	1	
	17	2	
55	19	2	
	21	2	
	23	2	
	25	2	CONN
	29	2	
60	33	2	
	34	1	
	35	1	
	37	2	
	39	2	
65	41	1	
	41	1	
	43	2	
	44	1	
	45	1	
70	47	2	
	49	2	
	50	1	
	51	1	
	53	2	
3275	54	1	
	55	1	
	56	2	
	57	2	
80	57	2	
	58	1	
	59	1	
	4:00	1	
	01	1	
85	02	1	
	03	1	
	04	1	
	06	2	
	08	2	CONN & PUMP
90	14:10	1	
	21	1	
	22	1	
	23	1	
	24	1	
95	25	1	
	26	1	
	27	1	
	28	1	
	29	1	
3300	31	2	

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

DATE 2-23-90 4:31 A.M.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300	4:31		
	37		
	38		
	39		
	40		
05	41		
	42		
	43		
	44		
	45		
15	46		
	47		
	48		
	49		
	50	1	CONV
3320	54 56	2	
	58	2	
	5:00	2	
	02	2	
	04	2	
25	06	2	
	08	2	
	09	1	
	10	1	
	11	1	
3330	13	2	
	16	3	
	18	2	
	20	2	
	22	2	
35	23	1	
	25	2	
	27	2	
	28	1	
	30	2	
3340	31	1	
	32	1	
	34	2	
	36	2	
	38	2	
45	40	2	
	42	2	
	43	1	
	45	2	
	47	2	CONV
3350	5:55	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3350	5:53	1	
	55	2	
	57	2	615
	58	1	38
55	6:00	2	8.9
	02	2	
	04	2	
	06	2	
	7	1	
3360	9	2	
	11	2	
	13	2	
	15	2	
	17	2	
65	19	2	
	20	1	
	22	2	
	24	2	
	26	2	
3370	27	1	
	29	2	
	31	2	
	32	1	
	34	2	
75	35	1	
	36	1	
	37	1	
	39	2	
	40	1	
3380	42	2	CONV
	45 49	1	
	49	2	
	51	2	
	53	2	
85	55	2	
	58	3	
	7:00	2	
	02	2	
	04	2	
3390	06	2	
	07	1	
	08	1	
	10	2	
	13	3	
95	16	2	
	19	3	
	21	2	
	23	2	
	26	3	PALL
3400	29	3	10' W4D ROCKS

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

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	29	2	VIS 39 ✓ 9. #
	31	2	WL 12.6
	33	2	
	36	3	
	39	3	
05	42	3	
	44	2	
	46	2	
	49	2	
	51	2	
3410	54	3	
	56	2	CONN
	57	2	
	09	2	
	11	3	
	13	2	
15	15	2	
	17	2	
	19	2	
	22	3	
	24	2	
3420	26	2	
	28	2	
	30	2	
	33	3	
	36	3	
25	39	3	
	42	3	
	44	2	
	46	2	
	48	2	
3430	51	3	
	53	2	
	55	2	
	57	2	
	59	2	
35	9:01	2	
	03	2	
	05	2	
	08	3	
	10	2	
3440	12	2	
	17	1	
	14	1	CONN
	19	1	
	22	2	
45	24	2	
	26	2	
	28	2	
	29	1	
	31	2	
	33	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3450	33	2	
	35	2	
	37	2	
	39	2	
	40	1	
55	42	2	
	44	2	
	46	2	
	48	2	
	50	2	
3460	53	3	
	55	2	
	57	2	
	59	2	
	10:01	2	
65	03	2	
	05	2	
	07	2	
	09	2	
	11	2	
3470	13	2	
	15	2	
	17	2	
	19	2	CONN
	25	2	
75	29	2	
	31	2	
	33	1	
	34	2	
	36	2	
3480	38	2	
	40	2	
	42	2	
	44	2	
	46	2	
85	48	2	
	50	2	
	52	2	
	54	2	
	55	1	
3490	57	2	
	59	2	
	11:01	2	
	03	2	
	05	2	
95	04	2	
	08	1	
	10	2	
	12	2	
	14	2	
3500	16	2	

COMPANY LD FARM Beaver WELL NO. 5
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR SIZE HOLE DRILL PIPE
 REMARKS: SIZE PUMP LINERS LENGTH STROKE

DATE	DEPTH	TIME O'CLOCK	MIN.	REMARKS
	3500	11/16	1	
		19	2	
		20	1	CONN
	3520	26	1	
05		27	1	
		27	2	
		30	1	
		32	2	
		34	2	
3510		35	1	
		37	2	
		39	2	
		40	1	
		42	2	
15		44	2	
		46	2	
		48	2	
		50	2	
		51	1	
3520		53	2	
		56	3	
		59	3	
		03	4	
		07	4	
25		11	4	VIS 43 WT 9.1
		15	4	
		18	3	
		21	3	
		25	4	
3530		30	5	
		32	2	
		34	2	
		36	2	CONN
		44	2	
35		45	2	
		48	3	
		51	3	
		53	2	
		55	2	
3540		07	2	
		1:00	3	
		02	2	
		05	3	
		08	3	
45		11	3	
		15	4	
		18	3	
		21	3	
		25	4	
55		29	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS	
3550	29	3		
	32	3		
	35	3		
	39	4	VIS 41 WT 9.2	
	42	3	WL 14.6	
55	45	3		
	48	3		
	51	3		
	54	3		
	56	2		
3560	58	2		
	2:00	2		
	02	2		
	03	1		
	04	1	CONN	
65	09	1		
	11	1		
	13	2		
	16	3		
	19	3		
3570	22	3		
	25	3		
	28	3		
	31	3		
	33	2		
75	35	2		
	37	2		
	39	2		
	41	2		
	43	2		
3580	46	3		
	49	3		
	51	2		
	55	4		
	58	5		
85	3:03	5		
	07	4		
	11	4		
	15	4		
	18	3		
3590	22	4		
	26	4		
	30	4		
	33	3		
	36	3		
95	39	3		
	3:45	48	3	CONN
	51	3		
	54	3		
	58	4		
3600	4:02	4		

COMPANY L.D. Drilling

FARM Beaver

WELL NO. 5

SEC. TWP. RGE. LOC. J

COUNTY

STATE

CONTRACTOR

SIZE HOLE

DRILL PIPE

REMARKS:

SIZE PUMP LINERS

LENGTH STROKE

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3600	4:02		
	05	3	
	07	2	
	08	1	
	10	2	
.5	11	1	
	12	1	
	14	2	
	15	1	
	16	1	
10	18	2	
	21	3	
	24	3	
	27	3	
	30	3	
15	33	3	
	36	3	
	37	1	
	38	1	
	39	1	
20	41	2	
	43	2	
	46	3	
	48	2	
	50	2	
3625	51	1	
	53	2	
	57	4	
	59	2	
	5:01	2	
.30	03	2	
	5:09	2	Jog
	11	2	
	13	2	
	15	2	
	17	2	
35	19	2	
	22	3	
	24	2	
	27	3	
	29	2	
40	32	3	
	34	2	
	37	3	
	40	3	
	43	3	
45	48	5	
	52	4	
	56	4	
	59	3	
	6:03	4	
3650	06	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3650	6:06		
	09	3	
	13	4	
	16	3	
	19	3	
.55	22	3	
	25	3	
	27	2	
	6:39	1	
	33	1	
	39	1	
60	3:5	1	
	38	3	
	40	2	
	42	2	
	44	2	
65	47	3	
	51	4	
	54	3	
	57	3	
	7:00	3	
70	7:10	3	Pump
	15	2	
	18	3	
	21	3	
	25	4	
3675	28	3	
	31	3	
	33	2	
	36	3	
	39	2	
80	41	2	
	43	2	
	46	3	
	49	3	
	52	3	
85	55	3	
	59	4	
	8:01	2	
	04	1	
	8:07	09	2
90	12	3	
	15	3	
	18	3	
	20	2	
	22	2	
95	24	2	
	25	1	
	27	2	
	28	1	
	29	1	
3700	31	2	

COMPANY L.D Drilling FARM Beaver WELL NO. 5
 SEC. TWP. RGE. LOC. COUNTY STATE
 CONTRACTOR SIZE HOLE DRILL PIPE
 REMARKS: SIZE PUMP LINERS LENGTH STROKE

DATE

DRILL w/ MTR

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3700	31		
	32	1	
	33	1	
	34	1	
	35	1	
5	35 1/2	1/2	
	37	1 1/2	
	40	3	
	45	5	
	48	3	
10	51	3	
	54	3	
	57	3	
	9:01	4	
	06	5	
15	11	5	
	15	4	
	20	5	
	24	4	
	29	5	CONN
20	9:34	4	
	38		
	41	3	
	44	3	
	47	3	
	49	2	
3725	51	2	
	53	2	
	55	2	
	58	3	
	10:09	3	Fill Premix
	12		
30	15	3	
	18	3	
	22	4	
	25	3	
	28	3	
35	10:29	2	Jet Hole
	37	4	
	40	3	
	44	4	
	47	3	
40	51	4	
	54	3	DRILL w/ MTR
	57	3	
	11:00	3	
	4	4	
45	9	5	
	13	4	
	17	4	
	20	3	
	23	5	
3750	28	3	REGV + CONN + CLOCK

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3750	30		
	34	4	
	37	3	
	41	4	
	44	3	
55	47	3	
	50	3	
	54	4	
	59	5	
	12:03	4	
3760	6	3	
	10	4	
	13	3	
	19	6	
	23	4	
65	27	4	
	30	3	
	34	4	
	38	4	
	41	3	vis 67
3770	46	5	43 9.3
	53	7	
	58	5	
	1:02	4	
	05	3	
75	08	3	
	11	3	
	14	3	
	18	4	
	20	7	
3780	24	4	
	29	33	4
	36	3	
	39	3	
	42	3	
85	45	3	
	48	3	
	51	3	
	54	3	
	56	2	
3790	59	3	
	2:02	3	
	06	4	vis w/
	10	4	43 9.2
	14	4	
95	19	5	
	23	4	
	27	4	
	31	4	
	34	3	
3800	38	4	

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

DATE 2-24-90 2:38 A.M.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3800	3:38		
	42	4	2 MTRS
	46	4	
	50	4	
	54	4	
05	58	4	
	3:03	5	
	07	4	
	10	3	
	13	3	
3810	16	3	
	19	3	
	21	2	CONV & PUMP
	35 36	1	
	38	2	
15	40	2	
	42	2	
	45	3	
	48	3	
	51	3	
3820	53	2	
	56	3	
	4:00	4	
	03	3	VIS WT
	06	3	42 9.2
25	10	4	
	15	3	
	20	3	
	25	3	
	30	3	
3830	35	5	
	39	4	
	42	3	
	45	3	
	48	3	
35	52	4	
	57	5	
	5:00	3	
	03	3	
	05	2	VIS WT
3840	07	2	43 9.2
	11	4	
	15	4	
	19	4	
	33 26	3	
45	30	4	
	33	3	
	35	2	
	37	2	
	40	3	
3850	42	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3850	42 45	3	
	49	4	
	53	4	
	57	4	
55	6:00	3	
	03	3	
	07	4	VIS WT
	11	4	43 9.2
	15	4	
3860	20	3	
	24	4	
	28	4	
	32	4	
	36	4	
65	39	3	
	43	4	
	47	4	
	50	3	
	54	4	
3870	57	3	
	7:00	4	
	05	4	
	08	3	
	11	3	CONV
75	12	2	
	14	3	
	17	3	
	20	3	
	23	3	
3880	26	3	
	29	3	VIS 43 WT 9.4
	41	2	WL 15
	44	3	
	47	3	
85	50	3	
	53	3	
	56	3	
	59	3	
	7:02	3	
3890	05 04	3	
	07	3	
	10	2	
	13	2	
	15	2	
	18	3	
95	21	3	
	23	2	
	25	2	
	27	2	
	29	2	
3900	31	2	

COMPANY

FARM

WELL NO.

SEC. TWP. RGE. LOC.

COUNTY

STATE

CONTRACTOR

SIZE HOLE

DRILL PIPE

REMARKS:

SIZE PUMP LINERS

LENGTH STROKE

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3900	83/54	3	
	37	3	
	40	3	
	43	3	
05	46	3	conn Pump
9	25/24	1	Piston
	28	2	
	31	3	
	33	2	
3910	34	1	
	36	2	
	37	3	
	41	2	
	42	1	
15	44	2	
	45	1	
	46	1	
	48	2	
	49	1	
3920	50	1	
	51	1	
	52	1	
	53	1	
	54	1	
25	55	1	
	56	1	
	57	1	
	58	1	
	1000	2	
3930	01	1	
	02	1	
	03	1	
	04	1	
	6	2	
35	7	1	
	8	1	conn
	10/13/41		
	16	2	
	17	1	
3940	19	2	v1544 w19.4
	21	2	
	23	2	
	26	3	
	28	2	
45	31	3	
	34	3	
	38	4	
	43	5	
	48	5	
3950	54	6	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3950	05/11/60	2	
	6	6	
	10	4	sc
	15	5	
55	22	7	
	29	7	
	34	5	
	39	5	
	44	5	
3960	47	3	
	50	3	
	53	3	
	56	3	
	58	2	
65	12:01	3	
	3	2	conn
12:08	11	7	
	14	2	
	16	2	
3970	18	2	
	21	3	
	25	4	
	31	6	
	36	5	
75	41	5	
	45	4	
	49	4	
	54	5	
	1:01	7	
80	08	7	
	16	8	
	23	7	
	30	7	
	36	6	v1545
	40	4	
	44	4	
	49	5	
	53	4	
	56	3	
90	05/28	3	
	12	4	
	15	3	
	19	4	
	24	4	
95	27	4	
	30	3	
	37	3	conn
	36/39	3	
	43	4	
4000	44	5	

