

UPRC

PTA

9-9-91

00500758

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								RECEIVED SEP 17 1991
	2000							On location - rig circulating @ 5150'
	—							Set up truck + water + cement
	2100							Cement on location -
	2132	5	10			750		Set 1st plug - 10 BBL H ₂ O spacer
	—	5	8.4			300		40 sk standard cement
	—	5	3.5			350		3.5 BBL H ₂ O
	—	7	6.7			400		6.7 BBL Drilling Mud
	2147					0		Knock loose - rig pull to 2450'
	2321	5	10			150		Pump 10 BBL H ₂ O
	—	5	8.4			200		40 sk Standard Cement
	—	5	3.5			200		3.5 BBL H ₂ O
	—	7	2.9			150		2.9 BBL Mud chip
	2327					0		Knock loose - rig pull to 1600'
	2354	4	10			150		Pump 10 BBL H ₂ O
	—	4	8.4			200		40 sk Standard Cement
	—	4	3.5			100		3.5 BBL H ₂ O
	—	7	1.7			100		1.7 BBL Mud chip
	2401					0		Knock loose - rig pull to 550' 1385'
	044	4	10			150		Pump 10 BBL H ₂ O
	—	4	8.4			100		40 sk Standard Cement
	—	4	3.5			100		3.5 BBL H ₂ O
	—	6	1.3			100		1.3 BBL Mud chip
	051					0		Knock loose rig pull to 587'
	0106	5	30			100		Pump 30 BBL H ₂ O
	0112	5	8.4			100		40 sk Standard Cement
	0114	5	6			75		6 BBL H ₂ O
	0116					0		- Knock loose rig pull to 60'
	0200							Mix remaining 10 sk + plug at 60'
	0215							Job Complete / Rig down trucks

JOB SUMMARY

HALLIBURTON
DIVISION
HALLIBURTON
LOCATION

Liberal/Ks

BILLED ON
TICKET NO. *141896*

WELL DATA

FIELD	SEC.	TWP.	RNG.	COUNTY	STATE
<i>Cherokee Co.</i>					
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			<i>8 1/2</i>	<i>KB</i>	<i>540</i>	
LINER						
TUBING						
OPEN HOLE			<i>7 7/8</i>	<i>540</i>	<i>5808</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES		JOB DATA	
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR			
FLOAT SHOE			
GUIDE SHOE			
CENTRALIZERS			
BOTTOM PLUG			
TOP PLUG			
HEAD			
PACKER			
OTHER			

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE	DATE <i>9-9-91</i>	DATE <i>9-9-91</i>	DATE
TIME	TIME <i>2000</i>	TIME <i>3000</i>	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. HOLA 55726</i>	<i>40090 P.H.</i>	<i>Liberal/Ks.</i>
<i>J. Ebersole C 2173</i>	<i>3630-7183 RCM</i>	<i>" "</i>
<i>M. Gilbert 93445</i>	<i>RKTAL</i>	<i>Lamar Co.</i>

MATERIALS

TREAT. FLUID	DENSITY	LB/GAL-API
DISPL. FLUID	DENISTY	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		

DEPARTMENT *Cm-4*
DESCRIPTION OF JOB *PTA w/ 210 SKS STANDARD CRT*

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.
<i>1</i>	<i>210</i>	<i>Cement</i>		<i>E</i>		<i>118</i>	<i>15.6</i>

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	REASON	

SUMMARY

PRESLUSH: BBL-GAL.	TYPE
LOAD & BKDN: BBL-GAL.	PAD: BBL-GAL.
TREATMENT: BBL-GAL.	DISPL: BBL-GAL.
CEMENT SLURRY: BBL-GAL.	
TOTAL VOLUME: BBL-GAL.	

REMARKS

BEST IMAGE
AVAILABLE

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO
INVOICE & TICKET NO.DISTRICT LiberalDATE 9-9-91

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER)

WELL NO. 1 LEASE Heart Ranch AFE 09701 SEC. _____ TWP. _____ RANGE _____FIELD _____ COUNTY Cherokee STATE Co. OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 5208 MUD WEIGHT _____BORE HOLE 7 7/8INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCFPRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			<u>9 5/8</u>	<u>KB</u>	<u>540</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>540</u>	<u>5208</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____

MATERIALS

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

Plug @ 5150-5050 - #2 @ 2450-2350 #3 @ 1400-1500 #4 @ 1345-1225
#5 @ 597-487 #6 0-604 - 2 10565 STD Comb. for Plug to Abandon

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

- 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.
- 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 claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - 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.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 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.

That 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 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.

- 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, punitive or consequential damages.

- 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's 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 unit, returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

- To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- That this contract shall be governed by the law of the state where services are performed or materials are furnished.

- 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 _____

CUSTOMER

DATE

9-9-91

TIME

2:00 P.M.BEST IMAGE
AVAILABLE

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



FOR INVOICE AND
TICKET NO.

ND 105758

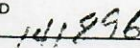
DATE 9-1-91	CUSTOMER ORDER NO.	WELL NO. AND FARM	COUNTY Lincoln	STATE Co.
CHARGE TO UPRC	OWNER Same	CONTRACTOR Murfin Drlg. #25	No. B815419	
MAILING ADDRESS	DELIVERED FROM Lamar Co.	LOCATION CODE 25615	PREPARED BY Slatten	
CITY & STATE	DELIVERED TO Loc	TRUCK NO. 4149-8151	RECEIVED BY Moore	

[illegible]

FORM 1911 - R6 REV. 8-85

CUSTOMER

BEST IMAGE
AVAILABLE



CUSTOMER