Poto dearth ag exister aum Notary public State of kansas My apal Enp. 279-94

February 19, 1994

API NO. 15- 185-22,889-0000

STATE CORPORATION COMMISSION OF KANSAS

OIL E GAS CONSERVATION DIVISION	County Stafford
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE \(\cap \)	NA - C - E/2 NW sec. 20 Twp. 22S Rge. 12 X w
Operator: License • 03581 UKIUI	3960 Feet from S/N (circle one) Line of Section
Name: RED OAK ENERGY, INC.	3300 Feet from (E)W (circle one) Line of Section
Address 200 W. Douglas, Suite 510	Footages Calculated from Nearest Outside Section Corner:
Wichita, KS 67202	NE, SE, NW or SW (circle one)
	Lease Name KRANKENBERG Well # 5-20
Purchaser:	Field Name Krankenberg
	Producing FormationN/A
Operator Contact Person: Kevin C. Davis	Elevation: Ground
Phone (316) 265-9925	Total Depth 3940
Contractor: Masse: ALLEN DRILLING COMPANY	Amount of Surface Pipe Set and Cemented at 680 Feet
License:	Multiple Stage Cementing Collar Used? Yes X No
Wellsite Geologist: Scott Banks	THE PROPERTY OF THE PARTY OF TH
Designate Type of Completion	If yes, show depth Total TOTAL COMPORATION COMMISSION If Alternate GAS COMPORATION, coment circulated from
X New Well Re-Entry Workover	
Oil X SWD SIOW Temp. Abd SIGW	feet depth to 1AN 29 1994 1-29-93 cmt.
Dry Other (Core, WSW, Expl., Cathodic, etc.	Drilling Fluid Management Plan (Data must be collected from Other Reserve Pit) CUNNETTAL KS
If Workover/Re-Entry: old well info as follows:	CONSENTAL KS
Operator: N/A	Phoried 240 bbls free water off reserve pit bbla
Well Name:	Devatering method used
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite:
Deepening Re-perf Conv. to Inj/SWD	Operator Name Bob's Oil Service
Plug BackPBTDCommingled Docket No	· · · · · · · · · · · · · · · · · · ·
Dual Completion Docket No	Lease Name Teichman SWD License No. 30610 SW 16 22 12 2
12/08/92 12/16/92	S RngE/W
Spud Date	County Stafford Docket No. 23-7222
Derby Building, Wichita, Kansas 67202, within 120 days of Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information or 112 months if requested in writing and submitted with the months). One copy of all wireline logs and geologist well	ll be filed with the Kansas Corporation Commission, 200 Colorado of the spud date, recompletion, workover or conversion of a well. In side two of this form will be held confidential for a period of the form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS ells. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promu	ilgated to regulate the oil and gas industry have been fully complied
with and the statements herein are complete and correct to t	the best of my knowledge.
Signature	K.C.C. OFFICE USE ONLY
	1/18/93 F Letter of Confidentiality Attached
Subscribed and sworn to before me this 18thday of Janu	C Geologist Report Received
19 <u>93</u> .	Distribution
Notary Public Martha & Newsbaum	KCC //29/65MD/Rep M6PA

Form ACO-1 (7-91)

(Specify)

ESTECTIONS: Show Separated the part of the present of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formations penetrated. Datali all cores. Report all drill attent tests of formation penetrates of formation presented. Datali all cares. Report all drill attent tests of formation penetrates of formation penetrates of formation penetrates. Penetrate (Attent) Additional Sheats.) File State of Formation Proposed Propos		4 * = .*		2195 (40				•		
HETHERTEURS: Show legoritant tops and hase of formations penetrated, betail all cores. Report all drill attents tasted interval issted, the text does not and closed, filtering and short-in pressures, whether abut-in pressure reached static is decreased. Attach copy of log. Yes No	perator NameREI			Lease Name	KRANK	ENBERG	Well #	_5-20		
### PROPERTIES. Show married to pass and hase of forcetfore penetrated, brief all cores. Report all drill area trans #### Properties. Show married to pass flowing and shut-in pressures, better shut-in pressure reached state ######### Properties Properties ####################################			□ East	County	Staff	ord		interfaces ————————————————————————————————————		
STRICTIONS. Show important tops and base of forestions penetrated. Detail all cores. Report all drill ates tests glavel (tasted, time tool apon and closed, flowing and shut-in pressure, whether shut-in pressure reached state is dreated by the control of the process of of the pro	c. <u>20</u> Twp. <u>22</u>	4 ^		· -				with most		
makes and to decological Survey	terval tested, tim drostatic pressures	e tool open a , bottom hole	nd closed, flowing temperature, fluid:	and shut-in pre	ssures, whet	her shut-in pre	ssure rea	ched static lev		
res Taken Yes	***			į	Formatic	•	and Datum:	•		
Hebber 3197' -1316 ectric Log Run	maples Sent to Geole	ogical Survey	☐ Yes ☐ No	į		Тор		Datum		
Brown Line 3333' -1452 Brown Line 3333' -1452 Brown Line 3577' -1691	res Taken		T Yes X No			. 310	7 '	`_1216		
TABLE Legs Run: Compensated Neutron PE Density Log Gaimma Ray. Cement Bond Log Casing Ray. Cement Bond Log Report all strings set-conductor, surface, intermediate, production, etc. Urpase of String Size Nois Bize Casing Bottling Set (in 0.D.) Casing Ray. Cement Bond Log Report all strings set-conductor, surface, intermediate, production, etc. Urpase of String Size Nois Bize Casing Bottling Set (in 0.D.) Casing Ray. Cement String Size String Set (in 0.D.) Casing Ray. Cement String Size Casing Bottling Set (in 0.D.) Casing Ray. Cement String Set (in 0.D.) Casing Ray. Cement String Type of Casing Additives ADDITIONAL CEMENTING/SQUEZE RECORD Urpase: Protect Casing Pring Off Zone ADDITIONAL CEMENTING/SQUEZE RECORD Urpase: Pring Off Zone Type and Percent Additives Type and	•		X Yes	Brown L B/KC	ine	3333 357	3' 7'	-1452		
Gamma Ray.: Cement Bond Log Dual Induction Log CABING RECORD New Used Report all strings set-conductor, surface, intereediate, production, etc. Purpose of String Size Note Size Casing Weight Depth Camant Used Additives Surface 12-1/4" 8-5/8" 23# 680' 60/40poz 385 28gel 3%c Production 7-7/8" 5-1/2" 15.5# 3816' 150 ADDITIONAL CEMENTING/SOUEZE RECORD Protect Casing Production Protect Casing Production Production	•		•	Viola				-1751 -		
Report all strings set-conductor, surface, intermediate, production, etc. Size Mole Size Casing Velight Setting Type of Sacks Type and Perc Additives	: Gamma RayuCe	ment Bond								
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ADDITIONAL CEMENTING/SQUEEZE RECORD Type and Percent Additives Type and Percent Additives Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Depth Cement Squeeze 3739-45 Cement Squeeze 3739-45 Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Depth Cement Squeeze 3739-45 Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze 3739-45 Acid. Fracture, Shot. Cement Squeeze Acid. Fracture, Shot. Cement Squeeze 3739-45 Cement Squeeze 3739-45 Acid. Fracture, Shot. Cement Squeeze 3739-45 Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze Acid. Fracture, Shot. Cement Squeeze 3739-45 Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze Acid. Fracture, Shot. Cement Squeeze Becord (Amount and Kind of Material Used) Pertonal Squeeze Acid. Fracture, Shot. Cement Squeeze Acid. Fracture, Shot. Cemen	urpose of String		:	•			:	Type and Perce		
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ADDITIONAL CEMENTING/SQUEEZE RECORD urpose: Top Bottom Type of Cement #Sacks Used Type and Percent Additives X Perforate Protect Casing Plug Back T9 Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth 2 3739-45' Cement Squeeze 3739-45 UNING RECORD Size 3772' 3772' ate of First, Resumed Production Value Inj. Producing Method Flowing Pumping Gas Lift Other (Explain) stimated Production Per 24 Nours Sposition of Gas: NETHOD OF COMPLETION Perf. Dually Comp. Commingled	production	7-7/8"	5-1/2"	15.5#	3816'		150 .			
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Perforate Protect Casing 3739-3745 Standard 50 Halad -9			ADDITION	AL CEMENTING/SQUE	EZE RECORD					
Plug 8sek TB Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid. Fracture. Shot. Coment Squeeze Record (Amount and Kind of Naterial Used) Depth	· ·	•	Type of Cement	#Sacks Used		Type and Percen	t Additive			
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Vented Sold Sold Used on Lease Spen Hole Spenf. Dually Comp. Commingled	sposition of Gas:			ETHOD OF COMPLET	ios			Production Interv		
		Used on !		Hale Coart	Dually	toen 🗀 toes				
Other (Specify)	(If vented, sub		<u> </u>		Justin	p. Comm	y.+u _			

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12-13-92 3432' OPERATION: Running DST #1
                           DST #1 (3364-3432' "B", "D", "E" & "F" ZONES)
                            30-30-30-30"
                                                                                                                                                 ORIGINAL
                            RECOVERED 40' GIP
                                                        40' DRILLING MUD
                                                          FF 75-75
                            IF 65-65
                            ISI 85#
                                                        FSI 85#
                            3558' OPERATION: Running DST #2
12-14-92
                            DST #2 (3478-3558' "H", "I", "J" & "K" ZONES)
                            "H" ZONE OOMOLDIC, NO SHOW
                            "I" ZONE POOR DEVELOPMENT
                            "J" ZONE GOOD POROSITY, SHOW TARRY OIL, FAINT ODOR
                            "K" ZONE, POOR DEVELOPMENT
                            Initial flow---2" blow
                            30-30-30-30"
                            RECOVERED 30' GIP
                                                        50' MUDDY WATER W/TRACE OF OIL
                            IF 75-75
                            3660' OPERATION: Running DST #3
DST #3 (3568-3660' VIOTE NO. 100 P. 100 
                                                           FF
                                                                          85-85
12-15-92
                                                                                                              JAN 29 1893
                           DST #3 (3568-3660' VIOLA)
                            lst blow opened weak, increased ytishish. KS 2nd blow opened weak, increased ytishish.
                            2nd blow opened weak, increased to bottom of bucket in 17
                            RECOVERED 250' GIP
                                                         115' Slightly oil cut mud
                                                          (1% oil, 15% gas, 85% mud)
                                                           FF 105-115
                            IF 75-85
                            ISI 740
                                                           FSI 885
12-16-62
                            3750' OPERATION: TRIPING IN HOLE
                            DST #4 (3660-3750' SIMPSON/ARBUCKLE)
                            30-45 45-60
                            RECOVERED 540' TOTAL FLUID.
                                                         180' SLIGHTLY OIL CUT MUD (15% oil, 85% mud)
                                                         240' MUDDY OIL (50% oil, 50% mud)
                                                            60' OIL CUT WATERY MUD (10% OIL, 5% water,85%
                                                                                                                                mud)
                                                            60' SLIGHTLY OIL CUT WATERY MUD (2% oil,
                                                                                                                        10% water 88% mud)
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· Clorides 27,000, Mud Syst 7500

. IF 112-132 FF 214-255 ISI 1226 FSI 1226

ORIGINAL

Phone Plainville 913-434-2812

15.185-22889-0000

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

1082

New	Н	ome Office P	. O. Box 31			Russell, Kansas 67	665	63100	
Day 18-9-92	Sec. 20	Гwр. 22	Range 12	67	alled Out	On Location	Job St	Finish:	<u></u>
Lease Krun Kanharg	Weil No.	#5-1	O Location	Hudse	2 2N	1 w 5/5	-510 F	state.	
Contractor Allen		15 A 11			Owner C	Zame.			
Type Job	surface pip	o Jel-		-	To Allied You are be	Cementing Co., Inc. creby requested to re-	nt comenting equi	oment and furnish	
Hole Size	12-4	T.D. 4	8911		cementer at	nd helper to assist o	wner or contractor	to do work as listed-	
CSE. Nuas Gier	45	Depth 6	80ff		Charge	Q. 1 12-14	<u> </u>		
Tbg. Size		Depth			Street \sim		Enurgy	Suite 51	
Drill Pipe		Depth		_	City	25 - 1 ·A	State	Such 51	<u>U</u>
_Tool		Depth			The above w	vas done to satisfaction		of owner agent or	
Cement Left in Csg.		Shoe Join	1 45 #		Purchase Or	dez No			
Press Max.	_	Minimum			x M	Bo Kern		Mark	
Meas Line	643 ff	Displace	41.26	۲	/	10000	CEMENT	104	
Perf.					Amount	266	CEMENT	<u> </u>	
	EQUIPME	NT			Ordered	385 /10 /	17cc 27		
	dreaf B	not			Consisting Common		1919 See 1 10	Total Common	 _
No. Pumpuk 120	Cementer Helper		11/12		Poz. Mix	7 647	- 5007	$\frac{3.50}{3.50}$	50 ~
Pumptrk 120 No.	Cementer		11112		Gel.	iai <u>a</u>	1 5 2 1383 C	6.75 nlc	
Pumptrk :	Helper				Chloride Quickset	<u>lcd</u>		3100 $35a$	∞
,	Driver	<u> </u>	ency			ુહાં.એં-	WICHITA, KS		
Bulktrk 179 Bulktrk	Driver			<u> </u>				les Tax	
					Handling	385		1.00 385.0	<u>~</u>
DEPTH of Job	86 ff				ľ	22			
Reference:	in P Truck	Cherre	380), <u>(X</u>)	Micage	~		338.7 b Total	<u>مح</u>
	. /	015-		.(2)			30		
	& wooden			.20				Total 2631.	3∕\
3801 €.	34d pours.	Sub-T Ta		.20	Floating Eq	uipment			<u>~</u>
			ond 635	5.20	1-88	boffle Plate	31. కం	T \$ 3539.0	(X)
Remarks: Consent	did	Circulato			1-85	basket	180,60	Less 707.8	
5			•		1-85	Cest	61,00	<u> </u>	
							a7a.50	net \$ 2831.	<u>20</u>
			1 1 1	1 KIN					
Allred C	montain (. Ja	- 1	704				_	

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

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.

e 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 ufurnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accom-

plish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

HALLIBURTON SERVICES

WORK ORDER CONTRACT

15-185-22889-0000

FORM	1908	R.7	
CHURI	1000	11-1	

Q)

HALLIBURTON SERVICES

AND PRE-TREATMENT DATA

Ren Car Frances

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

	7	7	/	دسسو م	ر ج –
ATTACH TO	100	<u>.</u>	4	زز	7
INVOICE & TICKET NO.				-	

٠	THE SAME AS AN INDEPE	ENDENT CONTRACT	OR TO:(Mr. C	11/1	(CUSTOM	ER)	<u> </u>	wi Al	
•	AND DELIVER AND SELL	PRODUCTS, SUPPL	ES, AND MATERIALS FOR	THE PURPOSE	OF SERVK	CING	[] [וטוא	NAL	
With	m 5	LEASE KA	ANKENBERA	1/2 "	CEC	フカ	71.77	223	* 55.4.41	_12w
		LEASE_&LET	\		SEC	<u> </u>	IWP		RAN	ASE
FIELD)	COUNTY_	STATE FORDSTA	TE		OWNED I	BY	4 117 8		
., 41	д ТН	E FOLLOWING	NFORMATION WAS	FURNISHED	BY TH	E CUSTON	IER OR H	IS AGEN	Т	
FORM NAM	MATION LIPRUCKS	P TYPE	110L	1	NEW USED	WEIGHT	EIZE	FROM	то	MAX, ALLOW. P.S.I.
FORM	IATION KNESS	FROM	то	CASING .	X	14	11/2	0	3766	
. PACH	ER: TYPE 177		SETT AT	LINER &						-
41		7	GET AT	TUBING &	13.0	6.5	27/0	0	2 1694	
	HOLE	MUD WEIG		OPEN HOLE	· ·	, -		A	 	SHOTS/FT.
	L PROD	i mani kan	() () () () () () () () () ()	PERFORATIO	NS NS			2739	44	
DOCE	ENT PROP	PPO U.O	BPD, GAS MCF.	PERFORAŢIO	NS -	·	4		 - / - /	
r NES	The same of the sa	- A-D, R20	BPD, GAS MCF-	PERFORATION	NS	, v.e		`,	 	
PREV	IOUS TREATMENT: D	ATE:	TYPE	-1.		MATERIALS	· · · · · · · · · · · · · · · · · · ·	•		
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				<u> </u>	j.	174		1		
ī		, ,		<u>. v</u>	1.					h
		14.5	, r	3 :	•		<u>-</u>			
CUST	OMER OR HIS AGENT WAR	RANTS THE WELL:	S IN PROPER CONDITION	TO RECEIVE TH	E PRODUC	TS, SUPPLIE	S, MATERIAL	S, AND SE	RVICES	• •
As	consideration, the above-named Cu	istomer agrees:	THIS CONTRACT MUST BE SK	GNED BEFORE WOR	RK IS COMM	ENCED	_		_	-
a)	payment or customers account	by the last day of the mor mum. In the event it become	ated in Halliburton's current price of the following the month in which the mes necessary to employ afterney.	sok nwo-co≨a dat≀ I.C	ustomer pare	es to pay interes	t thereon after :	delaultat the h	onest lawful cont	tract rate analicable
_b) ~	 To defend, indemnify, release an ony claims, liability, expenses, att 	d hold harmless Halliburto tomeys fees, and costs of	n, its divisions, subsidiaries, parent defense to the extent permitted by	t and affiliated comp y law for:	anies and th	o officers, directo	ors, employees,	agents and sen	vants of all of the	am from and against
**	 t. Damage to property owner "well owner" shall include w 	d by, in the possession o locking and royalty interest	, or leased by Customer, and/or owners.	the well owner (if o	different from	Customer), inclu	ding, but not lin	reled to, surface	e and subsurface	damage. Thr. term
λ.			co trespass or any action in the na							: a''
	Personal injury or death or from pollution, subsurface p	property damage (includin ressure, fesing control of t	g, but not limited to, damage to th no well and/or a well blowout or th	no reservoir, formation no use of radio in two	n or well), or material:	any damages w	halsoever, grow	mgoutoforin	ary way connec	fed with or resulting
: 7	the preparation, design, manufact not apply where the claims or li	turnicaworthimess of any dure, custribution, or mark- lability are caused by the	ons of Customer provided for in the wassel owned, operated, or furnic pling thereof, or from a failure to gross negligence or willful misco is, directors, employees agents an	shed by Halld Hon warn any preson of anduct of Hallaburton	or any detect isuch detect :The term "	chin the daté, pr I Such delense i	oducta supplies indessoity releas	s materials, or se and bold ha	equipment of Ha roless objection	diburton whether m
c)	supplies of materials, nor the res	iulis of any treatment or s hering such information bi	and the necessity of relying on to crylice, nor the accuracy of any cl and their bast judgment in interpret	bart interer till on, re	search analy	sis, iob recomme	ndation or other	data luru shed	Lbv Halüburton E	falliburtan personnal
d)	cause of action (whether in cont	S OR OTHERWISE WHICh ract, tort, breach of warran allitiurton or, at Halliburton	les and materials and that the size EXTEND BEYOND THOSE STATING or otherwise) arising out of the is option, to the allowance to the	ATED IN THE IMMEI C Sale Of D: of any	DIATELY PRE	ECEDING SENTE	NCE Halliburto	n's liability and united to the re	Customer's exclu-	usive remeat in any
e)	shall pay Halliburton its replacen the lesser of its replacement cou- shall, in-addition to the foregoing	nent cost unless such los st or line cost of repairs (g, be fully responsible for	cover any Halliburton equipment, its s is due to the sole negligence o infess such damage is caused by loss of or damage to any of Hallib ed by the sole negligence of Hallib	of Halliburta a If Halli 7 the sole aughgence Alburton's eousomen	burton equip	ment, tools or ins	Struments are d	amaged in the	well, Customer s	shell pay Halliburion

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

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

CUSTOMER

That Halliburten shall not be bound by any changes or modifications in this contract, except where six hichange or modification is made in writing by a duly authorized executive officer of Halliburten

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

CUSTOMER

	ALLIBURTON SERVICES	UMMA	RY	HALLIBURTON LOCATION		LINE)	BII TIC	KET NO	374354
-, LD	·			WEL <u>() _{Twp.} 2</u> (L DATA 2 :	, COUNTY	SINI	TURD	, STATE	K)
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	BPD. WATER			MCFC	TUDING	17 7	2 1/8	77	36.94	7
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CKER TYPE			т		PERFORATIONS		t ii ii	1 - 7 - 7		
TTOM HOLE TEMP.	and the state of t	PRESSURE		7610	PERFORATIONS	((10	1 / 1 / 1 / 1			
C. DATA		TOTAL	OKPTH	-	DATA	• • •		L	l .	<u></u>
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	AND SIZE	OTY.		MAKE	11:77 2	? \\ - \text{\gamma}	フ・クラー	1-07	- 72 /	207-92
	. AND BIZE	urr.	 	MARE	PATE	DATE	المراس م	DATE	0 م	ATE J
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DAT SHOE					<u>, , , , , , , , , , , , , , , , , , , </u>	PERS	ONNEL ANI	SERVICE	JNITS	<u> </u>
IDE SHOE			<u> </u>		<u> </u>	NAME		UNIT NO. a	TYPE	LOCATION
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CKING AGENT TYP			AL-LB.		•	_		-		_
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TAGE NUMBER		BRAND	BULK		AD	DITIVES			YIELD CU.FT/6K	MIXED LDS./GAL.
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		 	\vdash						1	 _
	Page 21 - 22 - 22								<u> </u>	
	PRESSURES II			SUM			VOLUI	MES		
ULATING		DISPLACEMENT			PRESLUSH: BBL-GAL			TYPE		
AKDOWN		MAXIMUM			LOAD & BKDN: BBL.	5AL		PAD:	SBL-GAL_	23 117.
RAGE	FRAC	TURE GRADIENT			TREATMENT: BBL-GA	L		:DISP	L BBL-BAL	1),49
IT-IN: INSTANT	B-MIN		_1 5-MIN		CEMENT SLURRY: BE	L-GAL	17.5			
	HYDRAULIC HO	RSEPOWER			, TOTAL VOLUME: BBL					
ERED	AVAILABLE		_USED				REMA	RKS		·
	AVERAGE RAT	ES IN BPM								<u> </u>
ATING	DISPL	_	VERALL					•		
	USFL	T IN DIDE	*******							
,	CEMENT LEF	LODAC,								



AND TICKET CONTINUATION

FOR INVOICE AND 324554

DATE	CUSTOMER ORDER	NO.		-	WELL NO. AND FAR				UNTY	_	_		STATE	
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MAILING ADDRESS					DELIVERED FROM	-		LOCATIO			REPARED B			
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507-665	70.15556	2B	Hals	d-9	Blended	#/25 S	tand	24	1ъ	Α.	<u> </u>	8.05	. 193	20
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			Returned Mileage Charge		TOTAL WEIGHT,	•	LOADS	D MILES	 	ON MILES	c			
				-	TOTAL TILIGITY,	<u>-</u> L-		D MILES	<u> </u>	ZAT HITCE.		 		
			SERVICE C	HARGE	ON MATERIALS RET	JANED			Ct	J. FEET				
500-207		2 B	SERVICE C	HARGE	in the second se				CI	50 J. FEET		1.25	62	50
500-306	·	2B	Mileage Charge		,724		21	ED MILES		49.(602	Min	65	00
No. B 132	2616	•.			TOTAL WEIGHT			RY FORWA				TOTAL	658	70
			FORM 1911 - F	27 052 0.0	<u>i</u>			_	_		<u> </u>	-		

JOB LOG

LNPILLY PAGE NO. Tomis Squeeze FORM 2013 R-2 VOLUME (BBL) (GAL) PUMPS RATE (BPM) DESCRIPTION OF OPERATION AND MATERIALS TUBING , : KANSAS COMPONATION GOW, MICH GEET 6 2 MAL CONSERVATION DIVISION ing. .,... 7 , if .,.

JOB LOG

	od re			CUST	ГОМЕ	<u>ر ۱۱ می (</u>	HK Fr	PAGE NO.
FORM 201	3 R-2			JOB	TYPE	: 1600°	<u>Str. ~~</u>	DATE 12-17-97
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUM	PS C	PRESSUR TUBING	E (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
			(GAL)	† <u>'</u>		TUBING	CASING	ONLOC - Re LAjing Down D.P.
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	14.29	1,000	3		-	-	,	Pump Super Flish
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	1433	7	Ö.	1, 1			الشف	Mr. Commt
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WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO	299102
INVOKE & TICKET NO.	

FORM 1908 R-7

DISTRICT

 ATTACH TO 29710 —
 12-17-92

TO: HALL	JBURTON SE	RVICES		· YOU	ARE HERE	BY REQU	STED TO FU	RNISH EC	UIPMENT A	ND SERVIC	EMEN TO	DELIVER AN	ND OPERATE
THE S	SAME AS AN I	NDEPENDE	NT CONTI	RACTOR TO	<u>. K</u> ≤	d O	K Ev	FYCH					
AND I	DELIVER AND	SELL PRO	DUCTS, SI	UPPLIES, A	NÓ MATER	RIALS FOR	THE PURPOSE	OF SERVIC	(CUSTOM ZING	ER)			
WELL NO	5.20	۔ پا <u>۔۔۔</u>	EASE	Krau	nkade	حثلاكم	<u> </u>	SEC	70	TWP	225	RAN	4GE ZW
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FIELD			COUN		MICH	STAT			OWNED				
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FORMATION NAME	l 			TYPE				NEW USED	WEIGHT	SIZE	FROM	70	MAX. ALLOW. P.S.L
FORMATION THICKNESS			_ FROM.		_ то		CASING	M		512	٥	3816	<u></u>
PACKER: TY	'PE			 SE	T AT		LINER						
TOTAL DEPT	тн		MUD I	WEIGHT	ا الله المراجع		TUEING	1 4 -					12.44
BORE HOLE		<u>, </u>				The state of	OPEN HOLE		<u> </u>	778	0	3540	SHOTS/FT.
NITIAL PRO	O OIL	. , ** BP	D, H±O	BPD	D, GAS	MCF	PERFORATIO	NS .	· · · · · · · · · · · · · · · · · · ·	1, 10	1	11.	
PRESENT PR	ROD: OIL	BP	D, H2O	BP0), GAS	MCF	PERFORATIO	NS 🧺 (<u>nRII</u>	11111	، اب	-	
	-			• •		113.	PERFORATIO	NS				· '	
PREVIOUS TI	REATMENT:	DATE_			_ TYPE				MATERIALS	s			
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100	St ile	00 187	SALT	5%	BAIAH	322	TAIL	प्पड	O St O	+ SAN	او ٧٤	# GiL,	·
; ;		· -					•		-				
1.		•	_									_	
CUSTOMER (OR HIS AGEN	T WARRAN	TS THE W	ÆLL IS IN I	PROPER CO	ONDITION T	O RECEIVE TH	E PRODUK	TS, SUPPLIE	S, MATERIA	LS, AND SE	RVICES	
As considera	ation, the above-n	amed Customo:	r agrees:	THIS	CONTRACT	MUST BE SIG	NED BEFORE WO	RK IS COMM	ENCED				
paymer but nev	nt of Customor's (execunt by the Sperannum.tr	last day of f the event i	the month late	awing the mon	ith in which the	invoice is dated. (Customer agre	es to pay interes	st thereon after	default at the h	riches) Lawful con	Customer's default in stract rate applicable, y fees in the amount
any cla	ums, liability, expe	nses, altorneys	fees, and co	osts of delens	e to the exten	it permitted by.	Law-for."		202				em from and against
, 1. Da "Ve	tamage to propert well owner" shall to	ty owned by, ir nclude working	the posses and royalty i	ssion of, or lei interost owner	esed by Custons.	omer, and/or t	to well owner (if, λ / λ	disciput libri	Customer), met		mited to, surfac	e and subsurfac	o damage. The term
2. Re	leservoir, formatio	n, or well loss o	or damage, s	ubsurface tres	spasa or any a	action in the na	ture thereof		ioieinia	4			

Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well); of 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 moleral.

The detense, indemnity, release and hold harmless obligations of Customer provided for in this Section bland Section of bloods shall apply to claims or liability even if caused or contributed to by Haliburton's regigence, strict liability, or the undeasworthiness of any vessel owned, operated, or farmished by Haliburton of thy defect in the data, products, supplies, materials or equipment of Haliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defects. Such deferse, 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 Haliburton. The term "Haliburton" as used in said Sections b) and c) shall mean Haliburton, tie 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 occuracy of any charf interpretation, research analysis, job recommendation or other data furnished by 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 worrants 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 tabelity and Customer's exclusive remody 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 in 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.
- That Customer shall, at its risk and expense, alternot 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 to 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 manne 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 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.
- a) 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. h)

THAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I MAUTHORIZED TO JIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED	<u>/0O</u>	イントペ
DATE	12-17-92	CUSTOMER

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

15-185-22859-0000 **H** HALLIBURTON BILLED ON 7 141/7 SUMMARY HALLIBURTON (-- 1) PUT Y WELL DATA m (loud MAXIMUM PSI ALLOWABLE SIZE FROM WEIGHT TO Z 311 14.4 CASING \mathcal{C} UNER DNIBUT OPEN HOLE SHOTS/FT PERFORATIONS PERFORATIONS JOB DATA CALLED OUT **TOOLS AND ACCESSORIES** DATE 12-17 DATE 12-17 DATE 12-17 DATE 12-17 TYPE AND SIZE MAKE PLOAT COLLAR PLY VIA SHOP TIME 1400 TIME ()(D) TIME() (O() TIME ! 711) + Wilce PERSONNEL AND SERVICE UNITS FLOAT SHOE GUIDE SHOE UNIT NO. & TYPE LOCATION CONTRALIZERS TOP PLUG 51736 25520 HKAD (unb) PACKER الميت ١١١٨ $\mathcal{B}^{\overline{\mathcal{A}}\underline{\mathcal{A}}}$ OTHER TI ATTIM COLUMNICOLO MATERIALS أالأرن - ON DIVISION WICHITA, KO ANNULUS 🔲 TBG/ANN. 🔲 JOB DONE THRU: TUBING 🔲 HALLIBURTON OPERATOR OTHER CEMENT DATA NUMBER OF SACKS BULK SACKED YIELD CU.FT./SK MIXED LBS/GAL CEMENT BRAND ADDITIVES 100 14100-322 11 Ŋ اتع بد (م. و PRESSURES IN PSI SUMMARY VOLUMES BREAKDOWN

ORDERED

HYDRAULIC HORSEPOWER

AVERAGE RATES IN BPM

CEMENT LEFT IN PIPE

CEMENT SLURRY: BBL.-GAL.-

REMARKS

TOTAL VOLUME: BBL-GAL.



AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. ...

DATE	CUSTOMER ORDER	NO.		WELL NO.	AND FARM	-	COL	UNTY;					STATE	
12-17-92	1.	•	·*.	5-20	KRANKE	NEORG	5	SIAFE	ORD				KS	
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HALLIBURTON SERVICES

NO. 299102-1

ADDRESS CONTRACTOR CITY, STATE, 25P SHIPPED VIA PROD COLLEGE CITY, STATE, 25P SHIPPED VIA DELIVERED TO COLLEGE	区								
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WELL TYPE WELL CATEGORY WELL PERMIT NO. DELIVERED TO SIDER NO. REFERRAL LOCATION ORDER NO.									
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TYPE AND PLATFOSE OF JOB B-12-12-12 B-12									
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AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B- 156041	2								
WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1936, AS AMENDED HAS BEEN COMPLETED? WAS JOB SATISFACTORLY COMPLETED? GUIDEN THE FACT THAT THE FAIR LABOR STANDARDS ACT OF 1936, AS AMENDED HAS BEEN COMPLETED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURSISHED UNDER THIS CONTRACT.	_								
VIRS OFFRATION OF EQUIPMENT BATISFACTORY?									
X HALLBURTON OPERATOR APPLICABLE TAXES									
CUSTOMER OR HIS AGENT (PLEASE PRINT) BE ADDED ON INV									
X THALLEDIGTON APPROVAL CUSTOMER OR HIS AGENT (SIGNATURE) CUSTOMER									

CUSTOMER