

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

API NO. 15-065-22,497 - 0000

County Graham

C SE/4 Sec. 28 Twp. 9S Rge. 25 East
..... West

1320 Ft North from Southeast Corner of Section
1320 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

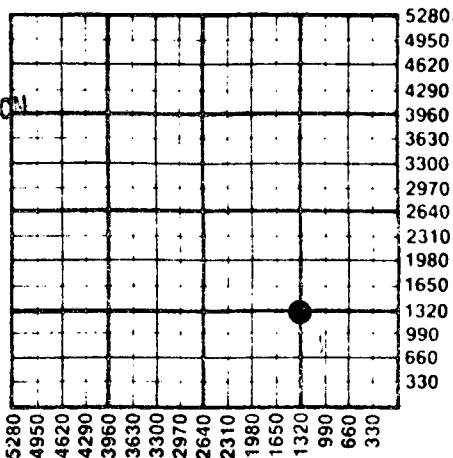
Lease Name Sauer 'A' Well # 2

Field Name Bollig

Producing Formation Kansas City "I" Zone

Elevation: Ground 2553' KB 2558'

Section Plat



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STATE CORPORATION COMMISSION
12-12-88
DEC 12 1988
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

x Surface Water 4620 Ft North from Southeast Corner
(Stream, pond etc) 4620 Ft West from Southeast Corner
Sec 35 Twp 9S Rge 25 East x West

Other (explain).....
(purchased from city, R.W.D. #)

Operator: License # 4964
Name DCF Exploration
Address 940 Wadsworth Blvd., Suite 100
City/State/Zip Lakewood, CO 80215

Purchaser Koch Oil Company

Operator Contact Person Douglas C. Frickey
Phone (303)-232-5011

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Richard Hall
Phone (303)-279-6894

Designate Type of Completion
x New Well Re-Entry Workover
x Oil SWD Temp Abd
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
x Mud Rotary Air Rotary Cable
11/8/88 11/16/88 11/16/88
Spud Date Date Reached TD Completion Date
4115' 4093'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 229 feet
Multiple Stage Cementing Collar Used? X Yes No
If yes, show depth set 2225 feet
If alternate 2 completion, cement circulated
from 2225 feet depth to surface/260 SX cmt
Cement Company Name Halliburton Services
Invoice # 716117 1-10-89

(210) sxs Hays District Light (50) sxs Standard

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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Douglas C. Frickey Douglas C. Frickey

Title President Date 12/08/88

Subscribed and sworn to before me this 8th day of December 1988

Notary Public Parcel L. Hartley

Date Commission Expires 10/02/90

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C [x] Wireline Log Received
C Drillers Timelog Received
Distribution
[x] KCC SWD/Rep NGPA
[x] KGS Plug Other
(Specify)
12-12-88

Operator Name DCF Exploration Lease Name Sauer 'A' Well # 2

Sec. 28 Twp. 9S Rge. 25 East West County Graham

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DRILL STEM TEST INFORMATION

DST #1 (TORONTO, LANSING "A" ZONE)
 INTERVAL: 3798' - 3851'
 OPEN: 15-30-15---
 IF: Weak 1/4" Blow dying to 1/8" Blow.
 FF: Weak Surface Blow died in 3 minutes.
 RECOVERY: 10' Mud, (100% Mud)
 IFP: 48 - 48
 ISIP: 48
 FFP: -----
 FSIP: -----

DST #2 (LANSING "E" & "F" ZONES)
 INTERVAL: 3905' - 3928'
 OPEN: 15-30-15-30
 IF: Weak 1" Blow.
 FF: No Blow, Flushed Tool, Weak Blow building to 1/2" Blow.
 RECOVERY: 80' Muddy Salt Water with Slight Trace of Oil.
 IFP: 39 - 39 FFP: 68 - 68
 ISIP: 58 FSIP: 87

FORMATION TOPS	DEPTH	SUB SEA DATUM
Anhydrite	2188	+370
Base/Anhydrite	2224	+334
Topeka	3587	-1029
Heebner	3799	-1241
Toronto	3822	-1264
Lansing	3838	-1280
LKC "I" Zone	3997	-1439
Stark Shale	4029	-1471
Base/Kansas City	4072	-1514
Rotary Total Depth	4115	-1557
Loggers Total Depth	4116	-1558

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	229'	60/40 Poz	150	3% cc 2% gel
Production	7 7/8"	4 1/2"	10.5#/11.6#	4114'	60/40 Poz	135	2% gel 10% salt
Production	7 7/8"	4 1/2"	10.5#/11.6#	2225'	Hays Dist. 260 Light Cement		

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
(4)	3998' - 4004'	300 gal. of 15% HCL Acid 3000 gal. of 20% SGA Acid	

TUBING RECORD

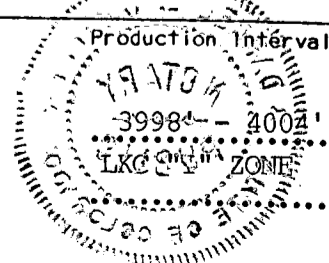
Size	Set At	Packer at	Liner Run
2 3/8"	3982'	3985'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production: 12/03/88
 Producing Method: Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	50 Bbls	0 MCF	5 Bbls	90% OIL 10% WATER	32°

METHOD OF COMPLETION

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation
 Other (Specify)
 Dually Completed Commingled





Sauer "A" #2
C SE/4 of Sec. 28 T-9-S R-25-W
Graham County, Kansas
API #: 15-065-22,497-0000

DRILL STEM TEST INFORMATION
(Continued)

DST #3 (KANSAS CITY "I" ZONE)

INTERVAL: 3990' - 4010'

OPEN: 30-30-45-60

IF: Weak Blow building to 2" Blow. (fair increase)

FF: Weak Blow building to 3 1/2" Blow. (Blow continuing to increase)

RECOVERY: 60' Gas in Pipe, 5' Free Oil, 30' Heavy Oil Cut Mud.
(2% Gas, 68% Oil, 30% Mud) No water.

IFP: 39 - 39

ISIP: 97

FFP: 48 - 48

FSIP: 174

DST #4 (KANSAS CITY "J" ZONE)

INTERVAL: 4004' - 4028'

OPEN: 30-30-6----

IF: Weak 1/2" Blow in 7", Declined to Surface Blow.

FF: Weak Surface Blow.

RECOVERY: 15' Mud with Slight Trace of Oil.

IFP: 29 - 29

ISIP: 203

FFP: 29 - 29

FSIP: -----

DST #5 (KANSAS CITY "K" ZONE)

INTERVAL: 4026' - 4050'

OPEN: 15-30-----

IF: Weak Surface Blow, Died in 6".

FF: No Blow, Flushed Tool, No Blow.

RECOVERY: 8' Mud.

IFP: 29 - 29

ISIP: 48

FFP: -----

FSIP: -----

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DEC 12 1988

CONSERVATION DIVISION
Wichita, Kansas



HALLIBURTON SERVICES
Duncan, Oklahoma 73536

A Division of Halliburton Company

BULK MATERIALS DELIVERY 15-005-22497-0000 AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 716177

DATE 12/02/88	CUSTOMER ORDER NO. 1	WELL NO. AND FARM A-2 Sauer	COUNTY Graham	STATE KS
CHARGE TO D C F Exploration		OWNER D C F Explor.	CONTRACTOR <i>Mark D. Jones</i>	No. B782374
MAILING ADDRESS 8915 Prickley Pear Circle		DELIVERED FROM Oberlin, KS	LOCATION CODE 50329	PREPARED BY Lyle
CITY & STATE Parker, CO 80134		DELIVERED TO S/Moreland, KS	TRUCK NO. 50181	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308		1	B	Standard Cement	136	sk			6.75	918.00	
506-105		1	B	Pozmix 'A'	74	sk			3.50	259.00	
506-121		1	B	(4) Halliburton Gel Allowed 2%						N/C	
507-277		1	B	(14) Halliburton Gel Added 8%	210	sk			.74	155.40	
507-285		1	B	Econolite	364	lb			.80	291.20	
507-210		1	B	Flocele	52	lb			1.21	62.922	
504-308		1	B	Standard Cement	50	sk			6.75	337.50	
510-222		1	B	20/40 Brady Sand (On Side)	2	sk				7.95	
509-554		1	B	Halliburton Gel (On Side) (Sk)	2	sk			6.30	12.60	
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			260 sk		.95	247.00	
500-306		1	B	Mileage Charge	25,176	TOTAL WEIGHT	45	LOADED MILES	566.46	TON MILES	
No. B 782374							CARRY FORWARD TO INVOICE		SUB-TOTAL		2,688.09

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CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER



HALLIBURTON SERVICES
Duncan, Oklahoma 73530

A Division of Halliburton Company

TICKET

NO. 723752-7

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>A-2 SAUER</i>		COUNTY <i>LOGAN</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>12-2-99</i>
CHARGE TO <i>DCF Exploration</i>			OWNER <i>DCF Expl</i>	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 <i>2915 FRICKLY ROAD GARDEN</i>			CONTRACTOR <i>AMCO, INC</i>	LOCATION 1 <i>OVERALL</i>	CODE <i>50309</i>
CITY, STATE, ZIP <i>PARSONS CO 70134</i>			SHIPPED VIA <i>34645</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO.	DELIVERED TO <i>Parsons KS</i>	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB <i>195</i>			ORDER NO.	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 materials. 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 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.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
<i>100-112</i>		<i>1</i>		<i>MILEAGE "3344"</i>	<i>20</i>	<i>mi</i>			<i>.80</i>	<i>16</i>	<i>00</i>
<i>110 007</i>		<i>1</i>		<i>1320</i>	<i>2360</i>	<i>FT</i>	<i>1 1/2</i>	<i>in</i>		<i>980</i>	<i>00</i>
<i>116 436</i>		<i>1</i>		<i>exploration - 162 in pushover</i>	<i>1</i>	<i>Job</i>				<i>155</i>	<i>00</i>

THIS IS AN INVOICE

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STATE CORPORATION COMMISSION
JAN 6 1999
CONSERVATION DIVISION
Kansas

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

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

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.

X *Daniel C. Frickley*
CUSTOMER OR HIS AGENT (PLEASE PRINT)
 X *Daniel C. Frickley*
CUSTOMER OR HIS AGENT (SIGNATURE)

G. J. BRADY
HALLIBURTON OPERATOR
 HALLIBURTON APPROVAL
 CUSTOMER

SUB TOTAL
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.

HALLIBURTON SERVICES
JOB LOG

WELL NO. A-2 LEASE SAILER TICKET NO. 723752

CUSTOMER DCF EXPLORATION PAGE NO. 1

JOB TYPE CNT. TOP STAGE - THRU FO. CONTR. DATE 12-2-88

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500							CALLED OUT
	0805							ON LOC. - Rig Running con. SWAB
	0900							REQUESTED
	0925							MODEL III RBP + FO FINGERS STARTED IN HO
	1016							RBP SET AT 2330'
	1030		3500L	1	1	1000"	1000"	FINGERS 2279' - LOAD HOLE - PRES. TEST.
	1040		700L					SPOT 1 SK OF SAND - LET SAND FALL.
								FOUND F.O. - HOOR UP.
	1123	3	700L	1	1	500"	500"	OPEN F.O. CONTR. - PREPAR CIRCULATION
	1128							START LOSS OF GEL AREA
	1131	3 (BPM)		1		450"		START MIXING 210 SK OF NAT. DISPL. LIQ. CNT. 1/4" FLOCCLE
	1157	3		1		700"		CNT. CIRCULATING - 86 BBL. PUMPED
	1205	3 1/2	115	1		800"		START 50 SK. OF STANDARD 1/4" ADD.
	1210	3 1/2	12	1		750"		FINISH CNT. - START DISPL. - CIRC. CNT.
	1214							FINISH CNT. - CLOSE F.O.
	1215			1	1	1000"	1000"	PRES UP - HOLD.
	1218	3 1/2						REVERSE CNT. - 20 BBL.
	1230							PULL TENS. + CATCHER.
	1305							FO FINGERS OUT
	1314							CATCHER + SEAT NIPPLE STARTED IN HO
	1400		3000L					CIRCULATE SAND OFF OF RBP
	1415							FILL CIRC.
	1425							Rig Shutting.
	1600							RBP RELEASED - PULL TENS.
	1646							RBP OUT OF HOLE
	1700							JOB COMPLETE

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JAN 6 1989

CONSERVATION DIVISION
Wichita Kansas

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

FORM 1908 R-5

ATTACH TO INVOICE & TICKET NO. 12112

DISTRICT Oklahoma

DATE 12 3 97

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

WELL NO. A-2 LEASE SANGER SEC. 9th TWP. 25th RANGE 28
FIELD Sanger COUNTY Logan STATE Ks OWNED BY DCF Expl.

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>11</u>	<u>10 1/16</u>	<u>4 1/2</u>	<u>K&B</u>		
LINER						
TUBING	<u>11</u>	<u>4 1/2</u>	<u>2 3/4</u>	<u>K&B</u>		
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CURT TOP STAG. THERM. FO. CONTR. AT 2500'
VALVE OFF HOLE TO THE LEFT OF 1/2" PLUG
SO THE STAG. ADD

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:

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- 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.
- 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.
- 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.
- 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.
- Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- 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.
- 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 use of such information.
- 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 FOR USE, 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 (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.
- 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.
- This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
- Halliburton shall not be bound by any conditions, printed or otherwise, on contracts, orders, invoices or any correspondence when such conflict with the provisions in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED
STATE CORPORATION COMMISSION
WICHITA, KANSAS
NOV 5 1997

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 12-21-97

TIME 09:20 A.M. P.M.

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



FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME Source #A2		COUNTY Graham	STATE Ks	CITY / OFFSHORE LOCATION	DATE 12/2/88	
CHARGE TO DCF Exploration		OWNER DCF Exploration		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 8915 Rickly Bear Circle		CONTRACTOR Murkin D. Co.		1 LOCATION 1 Oberlin Ks	CODE 50220	
CITY, STATE, ZIP Parker Co. 80134		SHIPPED VIA 3579 5018	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		2 LOCATION 2	CODE
WELL TYPE OIL	WELL CATEGORY OIL Development	WELL PERMIT NO. B-782374	DELIVERED TO S. Moreland, Ks.		3 LOCATION 3	CODE
TYPE AND PURPOSE OF JOB		ORDER NO.		REFERRAL LOCATION		

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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 3579	415	mi			2.20	99	00
000-019		1		Pump Charge	2225	ft	8	hr		907	00
THIS IS AN INVOICE											
RECEIVED STATE CORPORATION COMMISSION JAN 6 1989 CONSERVATION DIVISION Wichita, Kansas											
AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-782374										2,688 09	

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X Daniel F. Fisher
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 X Daniel F. Fisher
 CUSTOMER OR HIS AGENT (SIGNATURE)

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.

HALLIBURTON OPERATOR _____
 HALLIBURTON APPROVAL _____
 CUSTOMER

SUB TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE.

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

FORM 1908 R-6

A Halliburton Company

ATTACH TO
INVOICE & TICKET NO. 716117

DISTRICT Oberlin, Ks.

DATE 12/2/83

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

WELL NO. A2 LEASE Sauer SEC. 23 TWP. 9s RANGE 25w
FIELD _____ COUNTY Graham STATE Ks OWNED BY DCF Exploration

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE RBP @ 230, FO Cmt SET AT 2225'
TOTAL DEPTH _____ MUD WEIGHT _____
BORE HOLE 7 7/8"
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>U</u>	<u>10.5 11.6</u>	<u>4 1/2"</u>	<u>KB</u>	<u>—</u>	
LINER						
TUBING	<u>U</u>	<u>4.7</u>	<u>2 1/8"</u>	<u>KB</u>		
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Cmt to Surf thru FO Cementer with 210 sts
HDB 1416 Floate 50 sts Standard - No Add.
as directed.

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 lists.
- 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.
- 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.
- 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.
- 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.
- Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- To the extent permitted by law, waives the provisions of the Deceptive Trade Practices - Consumer Protection Act.
- 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.
- 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.
- Halliburton warrants that its 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 OR FITNESS FOR ANY PARTICULAR PURPOSE, OTHER THAN THAT WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRICING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract 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, or to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental or consequential damages.
- Invoices are due 15 days 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 shall 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 the account, Customer shall pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- This contract shall be governed by the laws of the state where services are performed or equipment or materials are furnished.
- Halliburton shall not be bound by any oral or written modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED
STATE CORPORATION COMMISSION
JAN 5 1984
CONSERVATION DIVISION
Wichita, Kansas

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 12/2/83
TIME 0900 hrs. A.M. P.M.

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

CUSTOMER



JOB SUMMARY

HALLIBURTON DIVISION WICHITA KS
 HALLIBURTON LOCATION Overlin KS

BILLED ON TICKET NO. 423752

WELL DATA
 FIELD Overlin, KS SEC. 9 TWP. 25 RNG. 28 COUNTY GRANHAM 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 F.O. CONTR. 2225' TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	6	105/110	4 1/2	KS		
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER <u>Model III Hsp 4 1/2</u>	<u>1</u>	<u>HOLSCO</u>
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-2-88</u>	DATE <u>12-2-88</u>	DATE <u>12-2-88</u>	DATE <u>12-2-88</u>
TIME <u>0500</u>	TIME <u>0805</u>	TIME <u>0925</u>	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. L. BRYANT #4485</u>	<u>3345</u>	<u>Overlin, KS</u>
<u>S. DOLAN #83211</u>	<u>72015</u>	<u>Overlin, KS</u>
<u>F. LOY #73170</u>	<u>RCM</u>	<u>Overlin, KS</u>
<u>R. HAGAN #70916</u>	<u>50121</u>	<u>Overlin, KS</u>
	<u>BULK TAK</u>	<u>Overlin, KS</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 SURFACTANT TYPE _____ IN
 NE AGENT TYPE _____ GAL. IN
 FLUID LOSS ADD. TYPE _____ GAL. IN
 GELLING AGENT TYPE _____ IN
 FRIC. RED. AGENT _____ GAL.-LB. IN
 BREAKER TYPE _____ GAL.-LB. IN
 BLOCKING AGENT TYPE _____ GAL.-LB.
 PERFPAC BALLS TYPE _____ QTY.
 OTHER _____
 OTHER _____

RECEIVED
STATE CORPORATION COMMISSION
JAN 04 1989
CONSERVATION DIVISION
Wichita, Kansas

DEPARTMENT Tool & Cmt
 DESCRIPTION OF JOB Run Tools
Cmt. Top STAGE T New F.O. CONTR. 2225'
P-11 Rsp

JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.
 CUSTOMER REPRESENTATIVE X Douglas C. Filly
 HALLIBURTON OPERATOR G. L. BRYANT COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>210</u>	<u>Mixing 1.5MT</u>			<u>13</u>	<u>7 Floclo</u>	<u>3.68</u>	<u>10.6</u>
	<u>50</u>	<u>Flow</u>				<u>no ADD</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: 60 gal GAL. TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: _____ BBL.-GAL. PAD: _____ BBL.-GAL.
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: _____ BBL.-GAL. DISPL: _____ BBL.-GAL. 8 1/2
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY _____ BBL.-GAL. 115-12
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME _____ BBL.-GAL. 127-8 1/2-6
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____

CUSTOMER: DCF EXPLORATION LEASER SAUER
 WELL NO.: A-2
 JOB TYPE: CONTR. FO.
 DATE: 12-2-88