

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 4689
Name Thomas C. Lutz
Address P. O. Drawer AR
City/State/Zip Shell Knob, MO 65747

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person H.L. Maddox
Phone 316-653-4178

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Rod Tremblay
Phone (913) 625-5434

Designate Type of Completion
 New Well Re-Entry Workover
 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:
 Mud Rotary Air Rotary Cable
9/17/87 9/26/87 10/15/87
Spud Date Date Reached TD Completion Date
4,560'
Total Depth PBTD

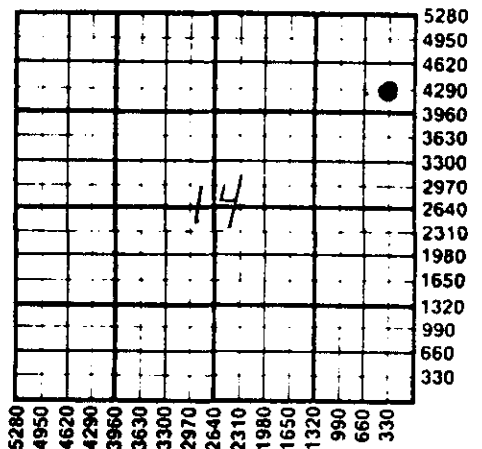
Amount of Surface Pipe Set and Cemented at 330 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set... feet
if alternate 2 completion, cement circulated
from 4559 feet depth to surface 200 w/ 200 SX cmt

API NO. 15-135-23,161-0000
County Ness
SE/4 NE/4 NE/4 14 16S 26W East
Sec. Twp. Rge. West

4290 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Evel 'D' Well # 1
Field Name ~~ARNOLD~~ Jagger
Producing Formation Ft. Scott
Elevation: Ground 2555 KB 2560

Section Plat



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: 37935
Division of Water Resources Permit #

Groundwater NE/4 Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec 23 Twp 16S Rge 26 East West
Charles Walker, Utica, KS 67584
 Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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 [Signature]
Title OWNER/OPERATOR Date 12/17/87

Subscribed and sworn to before me this 17th day of December 1987.
Notary Public [Signature]
Date Commission Expires Aug 16, 1988

Glen Steven Hutton, Notary Public
State of Kansas
My Commission Expires Aug. 16, 1988

Recd 12-21-87

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)

Sec 14, Twp 16S, Rge 26W

SIDE TWO

Operator Name Thomas C. Lutz Lease Name Evel "D" Well # 1

Sec. 14 Twp. 16S Rge. 26W East West County Ness

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

Name	Top	Bottom
ANHYDRITE	1967	+573
HEEBNER	3829	-1269
TORONTO	3847	-1287
LANSING	3871	-1311
STARK	4122	-1562
BASE K.C.	4178	-1618
MARMATON	4213	-1653
PAWNEEE	4316	-1756
FORT SCOTT	4380	-1820
CHEROKEE	4410	-1850
CONGLOMERATE	4444	-1884
MISSISSIPPI	4481	-1921
MISSISSIPPI DOLOMITE	4492	-1932
R.T.D.	4560	-2000
L.T.D.	4559	-1999

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"	24#	337'	60/40 Poz	220	2% Gel 3% CC
Production	7 7/8"	5 1/2"	14#	4 559'	60/40 Poz	200	12% Salt 2% Gel, 3/4% CFR-2

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	4381-86		

TUBING RECORD Size 2 3/8 Set At 4396 Packer at _____ Liner Run Yes No

Date of First Production 10/21/87 Producing Method Flowing Pumping Gas Lift Other (explain) _____

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	20 Bbls	MCF	10 Bbls		CFPB

METHOD OF COMPLETION

Production Interval

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



A DIVISION OF HALLIBURTON COMPANY

TICKET

NO. 418585-2

FORM 1906 R-10

PAGE 1 OF 2 PAGES

WELL NO. - FARM OR LEASE NAME 1 EVEL 'D'		COUNTY NESS	STATE KS	CITY/OFFSHORE LOCATION	DATE 9-30-87
CHARGE TO Tom Lutz		OWNER Some	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JO YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS P.O. DWI D		CONTRACTOR ---	LOCATION 1 Hous, KS		CODE 5032
CITY, STATE, ZIP Shell Knob MO. 65747		SHIPPED VIA TRUCKS	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2	
DUNCAN USE ONLY 34230-20		DELIVERED TO LOC N H NCA	LOCATION 3		CODE
		ORDER NO.	REFERRAL LOCATION		
WELL TYPE 01		WELL CATEGORY 01		WELL PERMIT NO. B-	
TYPE AND PURPOSE OF JOB DRS					

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		
000-117		1	MILEAGE # 51143	29	mi			2.40	60.90
001-016		1	Pump chg	300	ft				375.00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B- 654570** : **23688**

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X **H.L. MADDOX**
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 X **H.L. MADDOX**
 CUSTOMER OR HIS AGENT (SIGNATURE)

TAX REFERENCES

 HALLIBURTON OPERATOR
K. R. ...

SUB TOTAL	2,804.8
TAX	
TAX	
TAX	
TOTAL	

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 APPROVAL

CUSTOMER



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 418585

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

DATE 9-30-87	CUSTOMER ORDER NO.	WELL NO. AND FARM Evel #1	COUNTY Wess	STATE Kansas
CHARGE TO Tom Lutz		OWNER Same	CONTRACTOR No. B 654590	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO N Utica, Ks	TRUCK NO. 3703	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.				
504-118		2	B	Halliburton Light Cement	300				4.92	1,476	00	
509-406	890.50812	2	B	Calcium Chloride Blended	5				25.75	128	75	
507-210	890.50071	2	B	Flocele Blended	150	lb			1.21	181	50	
THIS IS NOT AN INVOICE												
				Returned Mileage Charge								
				TOTAL WEIGHT		LOADED MILES		TON MILES				
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET				
500-207		2	B	SERVICE CHARGE				312	.95	296	40	
500-306		2	B	Mileage Charge	28,290	29		409.045		286	33	
				TOTAL WEIGHT		LOADED MILES		TON MILES	.70	2368	98	
No. B 654590		CARRY FORWARD TO INVOICE						SUB-TOTAL		2,367 08		2,368 98

CUSTOMER



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-4

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

ATTACH TO INVOICE & TICKET NO. 412586

DISTRICT Hays, KS

DATE 9-30-87

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

WELL NO. 1 LEASE Evel 'D' SEC. 14 TWP. 16 RANGE 25
FIELD NUTCO COUNTY HAYS STATE KS OWNED BY SURCO

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							SHOTS/FT.
INITIAL PROD: OIL BPD, H ₂ O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Mix + pump 300 SKS HLC cement 1/2" # 5/16" x 1/8" 2" WCC
down broden hood

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 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, 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 of its 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, 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 the 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 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 9-30-87

TIME 1:00 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

HALLIBURTON SERVICES JOB SUMMARY

FORM 202B

HALLIBURTON DIVISION Wichita, KS

HALLIBURTON LOCATION Hoys, KS

BILLED ON TICKET NO. 417525

WELL DATA

FIELD Wichita SEC. 14 TWP. 10N RNG. 23W COUNTY Wes STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
FORMATION THICKNESS	FROM TO	CASING					
INITIAL PROD: OIL	BPD. WATER	BPD. GAS	MCFD	LINER			
PRESENT PROD: OIL	BPD. WATER	BPD. GAS	MCFD	TUBING			
COMPLETION DATE	MUD TYPE	MUD WT.	OPEN HOLE				SHOTS/FT.
PACKER TYPE	SET AT	PERFORATIONS					
BOTTOM HOLE TEMP.	PRESSURE	PERFORATIONS					
MISC. DATA	TOTAL DEPTH	PERFORATIONS					

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7/30/87</u>	DATE <u>7/30/87</u>	DATE <u>7/30/87</u>	DATE <u>7/30/87</u>
TIME <u>0700</u>	TIME <u>1040</u>	TIME <u>1130</u>	TIME <u>1230</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K Richardson</u>	<u>31123</u>	<u>Hoys, KS</u>
<u>L Singer</u>	<u>31124</u>	<u>Hoys, KS</u>
<u>S. R. ...</u>	<u>31125</u>	<u>Hoys, KS</u>

DEPARTMENT ...

DESCRIPTION OF JOB ...

JOB DONE THRU: TUBING CASING ANNULUS TRG./ANN.

CUSTOMER REPRESENTATIVE X W. ...

HALLIBURTON OPERATOR K Richardson COPIES REQUESTED ...

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>300</u>	<u>WCC</u>				<u>...</u>	<u>174</u>	<u>127</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.
SHUT-IN: INSTANT 3-MIN. 15-MIN.	CEMENT SLURRY: BBL-GAL.	
ORDERED AVAILABLE USED	TOTAL VOLUME: BBL-GAL.	
TREATING DISPL. OVERALL	REMARKS	
FEET REASON		

CUSTOMER

HALLIBURTON SERVICES JOB LOG

WELL NO. 1 LEASE Ever D TICKET NO. 412585
 CUSTOMER Tom Lutz PAGE NO. 1
 JOB TYPE cont down Ann DATE 9-30-87

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							called out, to pump 300
								SKS H/W 2" inside 2 1/2" dia
								down broder head
	1040							2nd loc, hook up to cong. unit
								annular (on)
	1100							press up cong. 4 shot in
	1125							hook up tub broder head, take
	1135	2					0	injection rate 2 bpm
	1150						0	ST mix con
	1200						100	2nd loc, hook up to cong. unit
								head, bleed press of
								in cong
	1245							work done in 1/2 hr
								1st complete
								Thank you
								Tom
								K. Richardson # 57734
								W. Miller # 82150
								D. Richardson # 73104

CUSTOMER



A DIVISION OF HALLIBURTON COMPANY

TICKET

NO. 476305-5

FORM 1908 R-10

PAGE 1 OF 2 PAGES

WELL NO. - FARM OR LEASE NAME #1 Euclid		COUNTY Mess	STATE Ks.	CITY/OFFSHORE LOCATION	DATE 9-27-87
CHARGE TO Tom Lutz		OWNER Same		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS P.O. Drawer D		CONTRACTOR Red Tiger Rig #		LOCATION 1 Ness City, Ks	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
CITY, STATE, ZIP Shell Knob, Mo. 65747		SHIPPED VIA 3580	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 Hays, Ks	CODE 50325
DUNCAN USE ONLY		DELIVERED TO N/Utica, Ks		LOCATION 3	CODE
		ORDER NO.		REFERRAL LOCATION	
		WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-654556	
TYPE AND PURPOSE OF JOB 035					

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		
000-117		1		MILEAGE 3580	29	mi			2.10	60.90
001-016		1		Pump Charge	1559	A.				1035.80
030-016		1		SW Top Plug	1	ea	5 1/2	in		41.00
213-009		1		Mud Flush	500	gal			.45	225.00
12 A	825.205	1		Regular Guide Shoe	1	ea	5 1/2	in		103.00
21 A	815.19251	1		Insert Float Valve	1	ea	5 1/2	in		83.00
27	815.19311	1		Auto Fill Assy.	1	ea	1	in		27.50
	807.93022	1		S-1 Centralizers	7	ea	5 1/2	in	44.00	308.00
32A	800.8883	1		Cement Basket	1	ea	5 1/2	in		90.00

Thank you from

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-

WAS JOB SATISFACTORILY COMPLETED?	TAX REFERENCES	SUB TOTAL
WAS OPERATION OF EQUIPMENT SATISFACTORY?		TAX
WAS PERFORMANCE OF PERSONNEL SATISFACTORY?		TAX
X Thomas C. Lutz CUSTOMER OR HIS AGENT (PLEASE PRINT)		TAX
X [Signature] CUSTOMER OR HIS AGENT (SIGNATURE)	HALLIBURTON OPERATOR Don Lemman	TOTAL

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 APPROVAL

CUSTOMER

HALLBURTON SERVICES JOB LOG

WELL NO. 1 LEASE Evel D TICKET NO. -176205
 CUSTOMER Tom Lutz PAGE NO. 1
 JOB TYPE Cement 5 1/2" prod. csng. DATE 9-27-87

FORM 2013-R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								Called @ 0015 Ready @ 0300
	0245							On location - Rig, trying down D.I.
	0700							st. 5 1/2" csng
	0910							csng on bottom - Drop fill up Fall.
								Hook up to cir. (Ball through @ 800)
	0930							Rig st. cir csng + work pipe 5'
	0955							Fin cir csng. Hook to House eye.
	1001	5	12				250	st. 500 gal Mud flush
	1003	5	20				250	st. 20 BBI Salt flush
	1007							Fin flushes -
	1010	5	76 1/2				300	st. mixing 200 SKS. 10/10 Pw, 2% 12% salt, 3/4% CFR-2, 1/4" /sk Hoada mixed @ 14.57 * /gal.
	1021						200	Fin mixing cont. Work pump + lines
								Release Plug
	1024	6 1/2					300	st. Displ.
	1040	3					250	PSI before plug landing
	1042		111				1200	Plug down - Casing held
	1044						0	Release - Insect Held
	1045							Job Complete - Wash up + Hook up.
								Thank You Non Kemmann 71718 Steve Mitting D-1256 Alan Gable

CUSTOMER



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-4

A Division of Halliburton Company DUNCAN, OKLAHOMA 73528

ATTACH TO INVOICE & TICKET NO. 474305

DISTRICT Hays, K.

DATE 9-27-87

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

WELL NO. #1 LEASE Euel D SEC. 14 TWP. 16 S RANGE 26 W

FIELD _____ COUNTY Ness STATE KS. OWNED BY SAMP

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 4560' MUD WEIGHT _____
BORE HOLE 7 7/8"
INITIAL PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF

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

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cement 5 1/2" production casing as directed w/ 20 Pbl salt flush
500 gal mud flush and 200 sks. 60/90 Pz, 2% gel, 12% salt, 34% CER2

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...
(c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage...
(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...
(e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons...
(f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials...
(g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well...
(h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others...
(i) Invoices payable NET by the 20th of the following month after date of invoice...
(k) This contract shall be governed by the law of the state where services are performed...
(l) Halliburton shall not be bound by any changes or modifications in this contract...

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

SIGNED _____ CUSTOMER

DATE 9-27-87

TIME 0300 (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

WELL DATA

YIELD _____ SEC. 14 TWP. 16s RNG. 2400 COUNTY NOSS 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 _____

BOYOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 4560

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14#	5 1/2"	KE	4559	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 9-27	DATE 9-27	DATE 9-27	DATE 9-27
TIME 0015	TIME 0245	TIME 0700	TIME 1100

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. Lemman	3550	Noss City, Ks.
B. Nutting	Combo	Noss City, Ks.
A. Gable	3703	Ways, Ks.
	Bik Tck	Ways, Ks.

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert float valve</u>	1	<u>Hawsco</u>
FLOAT SHOE <u>Auto-fill</u>	1	
GUIDE SHOE <u>Reg.</u>	5 1/2	1
CENTRALIZERS <u>S-H</u>	5 1/2	7
BOTTOM PLUG		
TOP PLUG <u>SW</u>	5 1/2	1
HEAD	5 1/2	1
PACKER		
OTHER <u>Cement Basket</u>	1	

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 5 1/2 production casing as directed

JOB DONE THRU: TUBING CASING ANNULUS TEG./ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR Ann Lemman COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	200	60/40	A	Premix B		2% gel, 12% salt, .75% CER 2	1.30	14.57

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. 111

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 46.3

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

HYDRAULIC HORSEPOWER

REMARKS

AVERAGE RATES IN BPM _____

CEMENT LEFT IN PIPE _____

FEET 12' REASON Stee Joint

See Job Log
Thank you Don't know