

SIDE ONE

15-119-20805-00-00

ORIGINAL

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

Operator: License # 6528

Name: Patrick Operating Co.

Address P.O. Box 1314
Liberal, KS. 67901

City/State/Zip _____

Purchaser: Elleron Oil Co.

Operator Contact Person: R.J. Patrick

Phone (316) 624-8483

Contractor: Name: Zenith Drilling Corp.

License: 5141

Wellsite Geologist: Bob Posey

Designate Type of Completion Dual Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If **OWO**: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

3-2-90 3-14-90 3-31-90
Spud Date Date Reached TD Completion Date

API NO _____
County Meade

NE NW SE Sec. 30 Twp. 33 Rge. 28 East West

2405 Ft. North from Southeast Corner of Section

1552 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

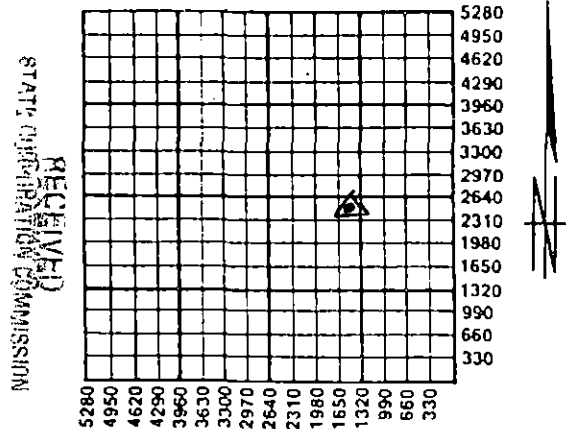
Lease Name (Hissom) Mohler Well #3-30 10

Field Name NE Mohler

Producing Formation Morrow

Elevation: Ground 2365 KB 2376

Total Depth 6400 PBTD 6380



Amount of Surface Pipe Set and Cemented at 1506 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

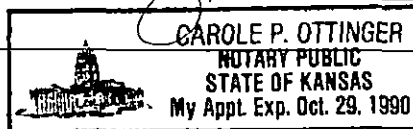
Signature [Signature]

Title Consulting Petroleum Engr. Date 4-19-90

Subscribed and sworn to before me this 19th day of April, 1990.

Notary Public [Signature]

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Patrick Operating Company Lease Name Hissom Well # 3-30
 Sec. 30 Twp. 33 Rge. 28 East County Meade West

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr><td>Toronto</td><td style="text-align: center;">4296</td><td style="text-align: center;">4324</td></tr> <tr><td>Marmaton</td><td style="text-align: center;">5084</td><td style="text-align: center;">5102</td></tr> <tr><td>Morrow Sh.</td><td style="text-align: center;">5590</td><td style="text-align: center;">5596</td></tr> <tr><td>Morrow Sd.</td><td style="text-align: center;">5596</td><td style="text-align: center;">5634</td></tr> <tr><td>Chester</td><td style="text-align: center;">5705</td><td style="text-align: center;">5780</td></tr> <tr><td>Ste. Genevieve</td><td style="text-align: center;">6052</td><td style="text-align: center;">6154</td></tr> <tr><td>St. Louis</td><td style="text-align: center;">6154</td><td style="text-align: center;">6322</td></tr> <tr><td>Spergen</td><td style="text-align: center;">6322</td><td style="text-align: center;">6354</td></tr> </tbody> </table>	Name	Top	Bottom	Toronto	4296	4324	Marmaton	5084	5102	Morrow Sh.	5590	5596	Morrow Sd.	5596	5634	Chester	5705	5780	Ste. Genevieve	6052	6154	St. Louis	6154	6322	Spergen	6322	6354
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St. Louis	6154	6322																										
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CASING RECORD							
<input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30"	20"	NA	66'	Premium	175	None
Surface	12 1/4"	8 5/8"	23	1506	Class C	525	2% CC
Production	7 7/8"	5 1/2"	17	6399	Pozmix A	200	18% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
1	5685' - 5692'			1000 gal. MSA Acid			Prod. zone
3	5604' - 5628'			2000 gal. Oil Base Acid			Prod. zone
	5604' - 5628' & 5685' - 5692'			Frac'd 35,500 MYT oil & 48,000# 20/40 sand			Prod. zone
4	6322' - 6325' & 6330' - 6340			2000 gal. 15% FE Acid			SWD zone
TUBING RECORD							
	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	2 1/16"	5720'	6250'				
Date of First Production	Producing Method			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
3-31-90							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	85	75	10				

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____



FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 3-30 HISSGM		COUNTY MCNEEL	STATE KS	CITY / OFFSHORE LOCATION		DATE 3-5-90
CHARGE TO R J PATRICK OPER CO			OWNER R J PATRICK OPER CO	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS			CONTRACTOR ZENITH #1	LOCATION LIBERAL KS 70340		CODE
CITY, STATE, ZIP			SHIPPED VIA HOWCO	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION 2 HUSTON KS 70333	
WELL TYPE 01-02		WELL CATEGORY 03	WELL PERMIT NO.		DELIVERED TO LOC	
TYPE AND PURPOSE OF JOB 610 278			ORDER NO. B-836902		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 IMMEDIATE PREAMBLE 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, at 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	35	MI	1	TRK	2.20	77.00
001-016		1		pump charge	1492	FT				871.90
030-015		1		Top plug	878	IN	1	EA		100.00

STATE COMMISSION
APR 19 1990
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-836902

6737.39

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 X **LROY CLAUER**
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 X **LROY CLAUER**

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.
Rob M. Quinn
 HALLIBURTON OPERATOR
 HALLIBURTON APPROVAL
719 257

SUB TOTAL

7156.19

APPLICABLE TAXES WILL BE ADDED ON INVOICE

BULK MATERIALS DELIVERY ORIGINAL AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 17

VICES

ation Company

1990	CUSTOMER ORDER NO.	WELL NO. AND FARM # 3030 Hisson	COUNTY Meade	STATE Kansas
TO J. Patrick Operating Co.		OWNER Same	CONTRACTOR No. B836902	
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE 50335	PREPARED BY Earl R. Omo
CITY & STATE		DELIVERED TO Loc. E&S/Meade Lake, Ks.	TRUCK NO. 1538-5302 51984-5622	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.				
504-050	516.00265	2	B	Premium Plus Cement.	125	Sk			7.08	885.00		
504-120		2	B	Halliburton Light Cement.	525	Sk			6.29	3302.25		
507-210	890.50071	2	B	Flocele Blended 1/2 W/650 Cmt.	163	Lb			1.23	200.49		
509-406	890.50812	2	B	Calcium Chloride 2% W/650 Cmt.	12	Sk			26.25	315.00		
					<div style="border: 1px solid black; padding: 5px; display: inline-block;"> APR 9 1990 CONSERVATION DIVISION Wichita, Kansas </div>							
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET			
500-207		2	B	SERVICE CHARGE			CU. FEET 674		.95	640.30		
500-306		2	B	Mileage Charge	61,289	65	1991.925		.70	1394.35		
				TOTAL WEIGHT					TON MILES			
No. B 836902		CARRY FORWARD TO INVOICE					SUB-TOTAL					



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

ATTACH TO INVOICE & TICKET NO. 402047DATE 3-3-70

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

AS AN INDEPENDENT CONTRACTOR TO: RJ PATRICK OPER CO (CUSTOMER)
DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICINGD. 5-3-30 LEASE H133EM SEC. 30 TWP. 335 RANGE 28WD. COUNTY NEADE STATE KS OWNED BY RJ PATRICK OPER CO

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ 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>W</u>	<u>23"</u>	<u>9 5/8</u>	<u>KB</u>	<u>1442-14</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>KB</u>	<u>1442</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CEMENT 3 1/2 SURFACE CEMENT

525 BAGS CLASS C CEMENT 2 1/2 C.C. 14" FLOODED

125 BAGS CLASS C CEMENT 2 1/2 C.C. 14" FLOODED

DISPLACE WITH WATER

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

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies 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.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for 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.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

APR 19 1970

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] CUSTOMERDATE 3-3-70

ON
ES

JOB SUMMARY

DIVISION HALLIBURTON LOCATION **LIBERAL KS**

BILLED ON TICKET NO. **402-97**

ORIGINAL

WELL DATA

SEC. **30** TWP. **33** RNC. **28** COUNTY **McPherson** STATE **KS**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	33	8 7/8	158	1472.14	
LINER						
TUBING						
OPEN HOLE			12 7/8	158	1492	SHOTS-FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 3-3-90	DATE 3-4-90	DATE 3-4-90	DATE 3-4-90
TIME 2230	TIME 0015	TIME 0415	TIME 0515

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
E DAVIS	PO 71323 34467	Liberal, KS
R CRIST	DCM D7653	" "
P Zardul	BULLS 41091 51134 222	Hugoton, KS
S Alder	Book D4020 1522-302	" "

TOOLS AND ACCESSORIES

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

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		
OTHER		

DEPARTMENT **CONCRETE**

DESCRIPTION OF JOB **PTP SURFACE**

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE **X Tracy Clow**

HALLIBURTON OPERATOR **Alan Quinn** COPIES REQUESTED

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL
	525	CUTWAT		B	2% LUC 1/4 PCC	2.11	12.1
	125	C		B	2% CC 1/4 PCC	1.32	14.0

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. 925
SHUT-IN: INSTANT	5-MIN HYDRAULIC HORSEPOWER	CEMENT SLURRY: BBL-GAL 226.0	
		TOTAL VOLUME: BBL-GAL 318.5	
ORDERED	AVAILABLE AVERAGE RATES IN BPM	USED	REMARKS
TREATING	DISPL. CEMENT LEFT IN PIPE	OVERALL	
FEET 43.48	REASON INS. SHUT		

REC'd by **landul**

STATE **KS**

DATE **APR 19 1990**

CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER **RJ PATRICK**

LEASE **Open Co**

DATE **3-3-90**

JOB TYPE **PTP SURFACE**

ORIGINAL

WELL NO. - -

TICKET NO. 402047

CUSTOMER B.J. PATRICK OPER Co.

PAGE NO. 1

JOB TYPE 8 7/8 SURFACE

DATE 3-3-90

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0230							CALLED OUT
NOW							TIME REQUESTED
0015							ON LOCATION
0030							SETUP TRUCKS
0100							BIG PULL DRILL PIPE
0							DRILL PIPE OUT
							CEMENT ON LOC
0215							CASING STARTED.
0355							CRIBING IN HOLE
0355							HOOKS UP TO CIRCULATE
0405							START CIRCULATING
0415							FINISH CIRCULATING
0415							HOOK UP TO CEMENT
0420							START MIXING CEMENT
0425	7			2		200	START CEMENT DOWN HOLE
0455		226.0		2		200	FINISH MIXING & PUMPING CEMENT
0456				2			RELEASE PLUG
0458	6			2		50	START DISPLACING PLUG
0515		92.5		2		350	FINISH DISPLACING, PLUG BANGED
0515						1000	PRESS TO 1000 PSI
0515						800	ALLOWED LAND JOINT OUT @ 800
0515						0	PLUG DROPPED
0517							UNHOOK FROM CASING
0520							JOB COMPLETED.
							CIRCULATED CEMENT

STATE OF KANSAS RECEIVED APR 19 1990 CONSERVATION DIVISION WICHITA, KANSAS



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 919019

ORIGINAL

DATE 3-14-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Hessom 3-30	COUNTY Meade	STATE KS
CHARGE TO R. I. Patrick Operating Co.		OWNER Same	CONTRACTOR	No. B 836940
MAILING ADDRESS		DELIVERED FROM Hugoton	LOCATION CODE 50335	PREPARED BY Rick Rawlins
CITY & STATE		DELIVERED TO Loc. ES/Meade Lake, KS 3842-7620	TRUCK NO.	RECEIVED BY ERBROSE

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				200 cft Pozmix Cement 50/50							
504-043	516.00272	2	B	Premium Cement	100	sk			6.85	685	00
506-105	516.00286	2	B	Pozmix "A"	100	sk			3.91	391	00
506-121	516.00259	2	B	Halliburton Hel blended 2%	3	sk					NC
507-145	70.15329	2	B	CFR-2 blended .75%	126	lb			3.75	472	50
507-210	890.50071	2	B	Flocele blended 1/2 lb/sk	50	lb			1.23	61	50
509-968	516.00315	2	B	Granulated Salt blended 18%	1724	lb			.06	103	44
THIS IS NOT AN INVOICE											
STATE OF KANSAS DEPARTMENT OF REVENUE APR 19 1990 CONSERVATION DIVISION Wichita, Kansas											
				Returned Mileage Charge							
				TOTAL WEIGHT		LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		2	B	SERVICE CHARGE				CU. FEET	225	.95	213 75
500-306		2	B	Mileage Charge				CU. FEET			
				TOTAL WEIGHT	19036	LOADED MILES	65	TON MILES	618.76	.70	433 07
No. B 836940	CARRY FORWARD TO INVOICE								SUB-TOTAL	2360 26	

CUSTOMER

JOB LOG

ORIGINAL

FORM 2013 R-2

WELL NO. 3-30 LEASE HISSON

TICKET NO. 915619

CUSTOMER R. J. PATRICK

PAGE NO.

JOB TYPE 5 1/2 LS

DATE 3-14-90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							Called
	1536							On location - Rig Circulating on Bottom @ 1400'
	1600							Lay Down Drill Pipe + Collars
	2015							Run 5 1/2 casing
	2335							Casing in
	2345							Circulate w/ log
	2400							Mud to surface
	015							Rig up Pump Truck
	018	5	15				300	Pump 20 25 SCAVENGER CEMENT @ 11"
	021	5	41				450	Pump 180 st. 5/8" Pipe, 18% salt, 3/4" C.F.R.-2, 1/2" Fluoride
	029							Drop Plug - Clean Pumps + Lines.
	051	7	2 1/2				50	Displace - 100 Gal 10% MSA Acid
	052	7	14L				300	2% KCl
	056	3	148 1/2				300/1300	Plug Down - 148 1/2 Total BBLs
							0	Float Good - Job Complete

UNIT
95494 - P
9620 - P

RECEIVED
STATE CORPORATION COMMISSION
APR 19 1990
CONSERVATION DIVISION
Wichita, Kansas

DISTRICT 2000

DATE 3-11-90

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

WELL NO. 5-30 LEASE MISSOURI SEC. 30 TWP. 33S RANGE 28W

FIELD _____ COUNTY MOORE STATE KS OWNED BY R-S PATRICK

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, TYPE, THICKNESS, FROM, TO, PACKER, SET AT, TOTAL DEPTH, MUD WEIGHT, BORE HOLE, INITIAL PROD, PRESENT PROD, CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS, MAX. ALLOW. P.S.I., SHOTS/FT.

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Change 2 1/2" pump string 10/200 25 5/8" 4 1/2" (127-340, 3/4" C.F. 2, 1/4" 7/16" 1 1/2") - RUN 20 SK 6 11" + 120 SK (2 1/2" - Displace 10/100 Gal 100-MSA + 27 KCL WATER

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

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton.
d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton.
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED STATE COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN ON BEHALF OF CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER

APR 19 1990

DATE _____

TIME _____ 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.

WICHITA STATE UNIVERSITY DIVISION OF CUSTOMER SERVICES

WELL DATA

FIELD: ORIGINAL SEC. 31 TWP. 21S 12E RNG. 40W COUNTY: MEAD STATE: KS

FORMATION NAME: ORIGINAL TYPE: _____

FORMATION THICKNESS: _____ FROM: _____ TO: _____

INITIAL PROD. OIL: _____ BPD. WATER: _____ BPD. GAS: _____ MCFD

PRESENT PROD. OIL: _____ BPD. WATER: _____ BPD. GAS: _____ MCFD

COMPLETION DATE: _____ MUD TYPE: _____ MUD WT.: _____

PACKER TYPE: _____ SET AT: _____

BOTTOM HOLE TEMP.: _____ PRESSURE: _____

MISC. DATA: _____ TOTAL DEPTH: _____

JOB DATA

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	57/12	32	EL	640	
LINER					
TUBING					
OPEN HOLE		17		640	SHOTS/FT.
PERFORATIONS					
PERFORATIONS					
PERFORATIONS					

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	17	H.W.
BOTTOM PLUG		
TOP PLUG	1	"
HEAD		
PACKER		
OTHER		

MATERIALS

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

DISPL. FLUID: _____ DENISTY: _____ LB/GAL-API

PROP. TYPE: _____ SIZE: _____ LB.

PROP. TYPE: _____ SIZE: _____ LB.

ACID TYPE: _____ GAL. _____ %

ACID TYPE: _____ GAL. _____ %

ACID TYPE: _____ GAL. _____ %

SURFACTANT TYPE: _____ GAL. _____ IN.

NE AGENT TYPE: _____ GAL. _____ IN.

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

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

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

BREAKER TYPE: _____ GAL.-LB. _____ IN.

BLOCKING AGENT TYPE: _____ GAL.-LB. _____

PERFPAC BALLS TYPE: _____ QTY. _____

OTHER: _____

OTHER: _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION

DEPARTMENT: _____

DESCRIPTION OF JOB: _____

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: *X J. Petrucci*

HALLIBURTON OPERATOR: _____ COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	1	1 1/2					

PRESSURES IN PSI

SUMMARY

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 _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____

ORDERED: _____ AVAILABLE: _____ USED: _____ TOTAL VOLUME: BBL.-GAL. _____

TREATING: _____ DISPL. _____ OVERALL _____

FEET: 10 REASON: _____

REMARKS: _____

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 3-30 HISSON		COUNTY MORDE	STATE KS	CITY / OFFSHORE LOCATION	DATE 3-14-90
CHARGE TO R.J. Patrick Operating		OWNER SAME		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Z... ..		LOCATION 1 L... ..	CODE 5230a
CITY, STATE, ZIP		SHIPPED VIA H... ..	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 H... ..	CODE 51335
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO 1022 Field	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 035		ORDER NO. B- 836940		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			
000-117				MILEAGE	35	Mi			2.20	77	00
001-116				Pump Charge	6400	Ft				1365	00
030-016				SUN Top Plug	1	EA	5 1/2	IN		47	00
208-108				MSA Acid	10	Gal	100	Gal	.77	77	00
314-165				Clayfix - II	13	Gal			17.25	224	25
410	917.93022			Sid Centralizer	19	EA	5 1/2	IN	4.10	836	00

RECEIVED
STATE BOARD OF COMMISSIONS
APR 19 1990
CONSERVATION DIVISION
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B- 836940

7360 26

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X *R.J. Patrick*
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X _____
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.

John E. Feresets
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____
CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.



HALLIBURTON SERVICES
Dallas, Oklahoma 75201
 A Division of Halliburton Company

**BULK MATERIALS DELIVERY
 AND
 TICKET CONTINUATION**

FOR INVOICE AND
 TICKET NO. 902067

ORIGINAL

DATE 2/17/1990	CUSTOMER ORDER NO.	WELL NO. AND FARM # 3 Hisson	COUNTY Meade	STATE Kansas
CHARGE TO Patrick Operating Co.		OWNER Patrick Operating	CONTRACTOR R & W Rathole	No. B 836862
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE 50335	PREPARED BY Earl R. Omo
CITY & STATE		DELIVERED TO Loc 1 E&WS/Meade Lake	TRUCK NO. 1544-6610	RECEIVED BY <i>D. Omo</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-043	516.00272	2	B	Premium Cement.	175	Sk			6.85	1198	75	
<p>THIS IS NOT AN INVOICE</p> <p>STATE CORPORATION COMMISSION APR 19 1990 CONSERVATION DIV. Wichita, Kansas</p>												
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES					
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET					
500-207		2	B	SERVICE CHARGE			CU. FEET	175	.95	166	25	
500-306		2	B	Mileage Charge	16,450 TOTAL WEIGHT	64 LOADED MILES	526.400 TON MILES		.70	368	48	
No. B 836862		CARRY FORWARD TO INVOICE							SUB-TOTAL		1733 48	

CUSTOMER

WELL DATA

FIELD ORIGINAL SEC. 30 TWP. 33S RNG. 28W COUNTY Monro STATE Ks
FORMATION NAME ORIGINAL TYPE
INITIAL PROD. OIL BPD. WATER BPD. GAS MCFD
PRESENT PROD. OIL BPD. WATER BPD. GAS MCFD
COMPLETION DATE MUD TYPE MUD WT.
PACKER TYPE SET AT
BOTTOM HOLE TEMP. PRESSURE
MISC. DATA TOTAL DEPTH

JOB DATA

Table with 4 columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times for 2-17.

PERSONNEL AND SERVICE UNITS

Table with 3 columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel like R. Brandt and M.G. BRET with unit numbers and locations.

DEPARTMENT Cement
DESCRIPTION OF JOB 20" Conductor Pipe

JOB DONE THRU: TUBING [] CASING [X] ANNULUS [] TBG/ANN. []

CUSTOMER REPRESENTATIVE X Kelly Cordes
HALLIBURTON OPERATOR R. BRET COPIES REQUESTED

CEMENT DATA

Table with 8 columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL. Includes handwritten entry for 175 sacks of Premium cement.

SUMMARY and VOLUMES sections. Includes PRESSURES IN PSI, CIRCULATING, BREAKDOWN, AVERAGE, SHUT-IN: INSTANT, HYDRAULIC HORSEPOWER, ORDERED, TREATING, FEET. Also includes VOLUMES: PRES LUSH, LOAD & BKDN, TREATMENT, CEMENT SLURRY, TOTAL VOLUME. Remarks: STOP WORK RECEIVED 2/17/90.

APR 19 1990

CONSERVATION DIVISION Wichita, Kansas

CUSTOMER: Patrick Operator Co. LEASE: HISSOLD WILL NO. 38 JOB TYPE: 20" Conductor Pipe DATE: 2-17-90

ORIGINAL WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 902067

FORM 1908 R-7

DISTRICT Livestock Ks

DATE 2-17-90

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

WELL NO. 3# LEASE Hisson SEC. 30 TWP. 33S RANGE 28W

FIELD _____ COUNTY Moore STATE Ks OWNED BY Patrick Operating Co

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ 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			20"	66	67	
LINER						
TUBING						
OPEN HOLE			30"	66	67	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Cement 20" conductor Pipe w/ 175 sk Premium Cement

Deployment w/ Water

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

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- c) The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- d) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- e) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- f) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for 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.
- f) - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

APR 19 1990

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

SIGNED _____ CUSTOMER

DATE _____

TIME _____ A.M. P.M.

CONSERVATION DIVISION
Wichita, Kansas

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

Duncan, Oklahoma 73128

A Division of Halliburton Company

TICKET

NO. 902067-1

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 3rd Hisson		COUNTY Meade	STATE Ks	CITY / OFFSHORE LOCATION		DATE 2-17-90	
CHARGE TO Patrick Operating Co.		OWNER Patrick Operating Co.		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 Patrick Operating Co.		CONTRACTOR R+W RTHdc		LOCATION 1 Liscomb Ks		CODE 50340	
CITY, STATE, ZIP		SHIPPED VIA Huaco	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 Heaton Ks		CODE 50335
WELL TYPE 01	WELL CATEGORY 03	WELL PERMIT NO.		DELIVERED TO Lex		LOCATION 3	CODE
TYPE AND PURPOSE OF JOB Conductor Pipe		B- 836862		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			
000-117		1		MILEAGE	32	MI			2.20	70	40
001-016		1		Pump charge	67	FT				395	00

THIS IS
 A
 NOT
 APPROVED
 APR 19 1990
 CONVEYANCE DIVISION
 Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-

836862

1733 48

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 Kelly Cordos
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 Kelly Cordos
 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.

Dennis L... [Signature]
 HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____
CUSTOMER

SUB TOTAL **2198 88**
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.

JOB LOG

WELL NO. 3# LEASE MISSOURI TICKET NO. 902067

CUSTOMER Patrick Operating Co PAGE NO. 1

ORIGINAL

FORM 2013 R-2 JOB TYPE Conductors DATE 2-17-90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1320							Time Collected
	now							Time Ready
	1520							Time on loc
								Finish Drilling Hole
								Run Pipe in Hole
	1610							Pipe in Hole
	1613							Hookup To Pipe
	1620					200		Start Mixing Cement
	1638		33			100		Finish Mixing Cement
	1639		18.4			0/50		Start Displacement
								WASH Pumps & Lines
	1845					100		SHUT DOWN
								SHUT Valve & Break hose
								Circulate Cement To The P.T
								Thanks FOR CALLING
								Haliburton Services
								Chase T (222)

RECEIVED
STATE OF MISSOURI TAXATION DIVISION

APR 19 1990

WICHITA DIVISION
Wichita, Kansas