

SIDE TWO

Operator Name Marathon Oil Company

Lease Name Koller Well # 1

Sec. 4 Twp. 8S Rge. 39
 East
 West

County Sherman

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

Formation Description

Log Sample

Name	Top	Bottom
Pierre Shale	Surface	947'
Niobrara Limestone	948'	994'
Carlile Shale	995'	TD

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	9-7/8"	7"	20#	360'	Class 'A'	180	3% CC
Production	6-1/4"	4 1/2"	10.5#	1150'	Thixotropic	85	5% Cal Seal .2% CaCl 4% Gel, 5#/sk Gilsonite

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	964'-994'	Frac'd w/41,000 gal. 50% water 50% CO ₂ w/51,000# 20-40 and 51,000# 12-20 sand	964-994'

TUBING RECORD

Size N/A Set At N/A Packer At N/A Liner Run Yes No

Date of First Production 8/21/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	*125	N/A	N/A	N/A

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

* Volume reflects accessibility to sales line, does not represent absolute open flow potential



INVOICE

15-181-20284-00-00

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
051592	06/13/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
KOLLER 1		SHERMAN		KS	MARATHON OIL CO.	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
OBERLIN		EXCEL DRILG.	CEMENT PRODUCTION CASING		06/13/1991	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
441999	FRANK PHANANSTEL			COMPANY TRUCK	17108	

MARATHON OIL CO H09806
BOX 2659
CASPER, WY 82602

COPY

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	55	MI	2.60	143.00
		1	UNT		
001-016	CEMENTING CASING	1150	FT	900.00	900.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4	1/2 IN	35.00	35.00
		1	EA		
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA	89.00	89.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA	73.00	73.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	27.50	27.50
815.19111					
40	CENTRALIZER 4-1/2" MODEL S-4	10	EA	48.00	480.00
807.93002					
320	CEMENT BASKET 4 1/2"	2	EA	85.00	170.00
800.8881					
350	HALLIBURTON WELD-A	1	LB	11.50	11.50
890.10802					
509-554	HALLIBURTON GEL - 100 LB.	2	SK	14.75	29.50
504-308	STANDARD CEMENT	85	SK	6.75	573.75
509-406	ANHYDROUS CALCIUM CHLORIDE	2	SK	26.25	52.50
508-127	CAL-SEAL	4	SK	19.70	78.80
508-291	GILSONITE BULK	425	LB	.35	148.75
507-277	HALLIBURTON-GEL MIXED 4%	3	SK	14.75	44.25
500-207	BULK SERVICE CHARGE	109	CFT	1.15	125.35
500-306	MILEAGE CMTG MAT DEL OR RETURN	6	TMI	.80	204.05
	INVOICE SUBTOTAL				3,185.95
	DISCOUNT-(BID)				477.85-
	INVOICE BID AMOUNT				2,708.10

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 30 1991

CONSERVATION DIVISION

***** CONTINUED ON NEXT PAGE *****

TERMS 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 AGGOUNT.



HALLIBURTON SERVICES

REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

15-181-20284-00-00

A Halliburton Company

ORIGINAL

INVOICE NO. 051592	DATE 06/13/1991
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WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ROLLER 1		SHERMAN		KS	MARATHON OIL CO.	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
BERLIN		EXCEL DRILL		CEMENT PRODUCTION CASING		06/13/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
41999	FRANK PHANANGTEL			COMPANY TRUCK	17108	

DIRECT CORRESPONDENCE TO:

MARATHON OIL CO H09806
BOX 2659
CASPER, WY 82602

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*-KANSAS STATE SALES TAX				77.43
	*-DECATUR COUNTY SALES TAX				18.23
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,803.76

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SEP 30 1991
CONSERVATION DIVISION
WICHITA, KS

TERMS 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.

HALLIBURTON SERVICES
Duncan, Oklahoma 73336

TICKET NO. **051592-2**

FORM 1906 R-11

15-181-20284-00-00

ORIGINAL

WELL NO. - FARM OR LEASE NAME #1 Koller		COUNTY SHAWNEE	STATE KS.	CITY / OFFSHORE LOCATION	DATE 6-13-91
CHARGE TO MANATHO OIL CO.		OWNER MANATHO OIL CO.		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS		CONTRACTOR Excel		LOCATION 12hr/Int	
CITY, STATE, ZIP Lawrence, Co.		SHIPPED VIA 3243-38V		FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	
WELL TYPE 02	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO N/Roodland	LOCATION 3	
TYPE AND PURPOSE OF JOB 035 CENTURY		ORDER NO. B-945667		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 3243	55	miles			2.60	143.00
001-016		1		Pump change	1150	FT	8	HA		900.00
030-016		1		Sew Top Plug	1	EA	4	IN		35.00
12A	825.201	1	6888	Guard-Shop	1	EA	4	IN		87.00
24A	815.1401	1		Insert	1	EA	4	IN		73.00
27	815.1411	1		Auto Feed	1	EA	4	IN		27.50
40	807.9303	1		Central Gas	10	EA	4	IN	18.00	470.00
320	800.8881	1		Cont Bkts	2	EA	4	IN	85.00	170.00
350	790.10112	1		House WELD	1	LB				11.50
509-594		1		House g02	2	SK			14.25	29.50
			6894							

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SEP 30 1991
CONSERVATION DIVISION
WICHITA, KS

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-945667

1237 95

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X *[Signature]*
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.

[Signature]
HALLIBURTON OPERATOR

[Signature]
HALLIBURTON APPROVAL

SUB TOTAL **3185 95**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

FIELD OFFICE



15-181-20284-00-00

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 051592

DISTRICT Oberlin, Is.

DATE 6-13-91

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

WELL NO. 1 LEASE KOLLER SEC. 4 TWP. 8E RANGE 39W

FIELD _____ COUNTY Shennandoah STATE KS OWNED BY MANATHON

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 1150 MUD WEIGHT _____
BORE HOLE 6 3/4
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>N</u>	<u>10.5</u>	<u>4 1/2</u>	<u>KB</u>	<u>1149</u>	
LINER	<u>N</u>		<u>7"</u>	<u>KB</u>	<u>360</u>	
TUBING						
OPEN HOLE				<u>1149</u>	<u>1150</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
CWT 4 1/2 Lsg w/ 85 STS THIN TROPIC 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

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.

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.

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. 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.

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. 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.

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. 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 of 1969 as amended, insofar as they may apply to this contract.

g) That this contract shall be governed by the laws 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.

SEP 30 1991

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 6-13-91

TIME 1130 A.M. P.M.

CONSUMER PROTECTION DIVISION
KANSAS CORPORATION COMMISSION
TOPEKA, KS

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.

FIELD OFFICE

ORIGINAL

15-181-202840000

M. M. Thompson
 E. I. Koller
 051972
 6-13-92
 UTS

1300
 ENDIX

SEP 30 1991
 FIN. DIV.

SEP 30 1991
 1340
 012600

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 30 1991

CONSERVATION DIVISION
WICHITA, KS

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 30 1991

CONSERVATION DIVISION
WICHITA, KS

WELL DATA
FIELD _____ SEC 4 TWP 82 RNG 39W COUNTY Shawnee 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 _____ TOTAL DEPTH 1150

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>10.5</u>	<u>4 1/2</u>	<u>K13</u>	<u>1149</u>	
LINER	<u>U</u>		<u>7"</u>	<u>K13</u>	<u>360</u>	
TUBING						
OPEN HOLE				<u>1149</u>	<u>1150</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
Float Collar <u>INERT 4 1/2</u>	<u>1EA</u>	<u>HAWES</u>
Float Shoe		
Guide Shoe <u>REG 4 1/2</u>	<u>1EA</u>	
Centralizers <u>SF 4 1/2</u>	<u>10EA</u>	
Bottom Plug		
Top Plug <u>SW 4 1/2</u>	<u>1EA</u>	
Head <u>Mud Cont 4 1/2</u>	<u>1EA</u>	
Packer		
Other <u>Cont BSKT 4 1/2</u>	<u>2EA</u>	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-13-97</u>	DATE <u>6-13-97</u>	DATE <u>6-13-97</u>	DATE <u>6-13-97</u>
TIME <u>1905</u>	TIME <u>1115</u>	TIME <u>1200</u>	TIME <u>1403</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. K...</u>	<u>3243</u>	<u>OBERLIN</u>
<u>E. K...</u>	<u>R.C.M.</u>	<u>K.S.</u>
<u>J. R...</u>	<u>3215</u>	<u>OBERLIN</u>
	<u>B.M.</u>	<u>K.S.</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 _____ 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. IN
PERFPAC BALLS TYPE _____ QTY.

OTHER _____
OTHER _____

DEPARTMENT Cont - Bulk
DESCRIPTION OF JOB Cont 4 1/2 Csg
JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
CUSTOMER REPRESENTATIVE X [Signature]
CONSERVATION DIVISION
WICHITA, KS
HALLIBURTON OPERATOR [Signature]
COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL
	<u>85</u>	<u>Thix D. Imp.</u>	<u>SEA</u>	<u>R</u>	<u>5 1/2 gal = 5 gal 4 1/2 gal 20/lb, 5 gal water</u>	<u>14.8</u>	<u>1.53</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 42 REASON Shut in

SUMMARY

PRESLUSH: BBL-GAL 0.5 TYPE 90-2
LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
TREATMENT: BBL-GAL _____ DISPL. BBL-GAL 18
CEMENT SLURRY: BBL-GAL 18
TOTAL VOLUME: BBL-GAL 41

REMARKS
See Job Log & chart
Thank you

JOB LOG

WELL NO. 1 LEASE Koller TICKET NO. 051272
 CUSTOMER Marathon Oil Co PAGE NO. 1
 JOB TYPE Long Staging DATE 6-13-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0905							called out ORIGINAL
	1115							ON LOC.
	1200							Rg changed to run CS4 Start CS4 w/ Reg. Guide shoe w/ How to wear INSTANT VALVE TOP 1ST ST. CENTRALIZERS ON 1, 2, 3, 4, 5, 7 10, 13, 16 & 19 COLLARS CUT & SETS ON BOTTOM 6 & 7 ST.
	1315							Fin CS4 Move up Plug cont.
	1320							ST. CIR
	1338							Fin circ - Hook to pump truck
	1340		5	1		150		Run 2 ST, get ahead cut
	1342			1		150		ST. Mix 135 ST, Thix-O-Tax cut
	1350		18	1		100		Fin cut RELEASE SW TOP Plug Wash up Pump & Line
	1353	2 1/2		1		0		ST. Disp - work pipe
	1354	2 1/2	2	1		200		ST. LIFT cut
		2 1/2		1		300		circ PSI
	1400	2 1/2	18	1		1250		Fin Disp - stop working pipe
	1403							Partial Returns. RET - INSERT HERE

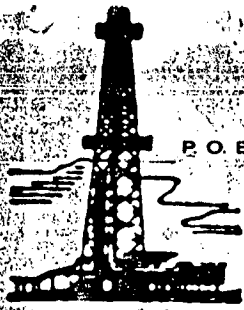
RECEIVED
 KANSAS CORPORATION COMMISSION
 SEP 30 1991
 CONSERVATION DIVISION
 WICHITA, KS
 SEP 30 1991
 CONSERVATION DIVISION
 WICHITA, KS

Job Complete
 Thank you
 John Eldon & John

15-181-20284-00-00

15-181-20284-00-00

ORIGINAL



CEMENTERS, INC.

P. O. BOX 1587 • SCOTTSBLUFF, NE 69363-1587 • (308) 632-8855

Our Invoice

NO 13571

KOLLER

Date <u>6-11-91</u>	Well Owner <u>Marathon Oil Co</u>	Well No. <u>#1</u>	Lease <u>Sherman</u>
County <u>Sherman</u>	State <u>KANSAS</u>		Field
Charge To <u>S.W. Operating</u>	Charge Code		
Address	For Office Use Only		
City, State			
Pump Truck No. <u>1202</u>	Code	Bulk Truck No. <u>1206</u>	Code
Type of Job	Depth	Ft.	to
<u>Surface</u> <u>7"</u>	Bottom of Surface	Ft.	to
Plug	Plug Landed @ <u>345</u>	Ft.	Time On <u>5:30</u>
Production	Pipe Landed @ <u>360</u>	Ft.	Time Off

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat <u>Class 'A'</u>	<u>1805x</u>			
	Poz. Mix				
	Calcium Chloride	<u>370</u>			
	Gel % Flo-Seal %				
	Handling Charge				
	Hauling Charge				
	Additional Pump Charge				
	Mileage P.T.				
	B.T.				
	Plug				

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THANK YOU

SEP 30 1991

CONSERVATION DIVISION WICHITA, KS

Remarks: <u>Asset loss</u>	Tax Reference Code	Sub Total
Add:	State %	Tax
	Disc	Total

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
<u>1202</u>		Pump Truck					
<u>1206</u>		Bulk Truck					

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By Gary d Dennis Received by [Signature] Customer or His Agent

DATE

15-181-20284-00-00

ORIGINAL

1991

- 06-11 RIG DAY: 1 FOOTAGE: 368' CURRENT STATUS: Drilling
 DEPTH: 368' FORMATION: Pierre MUD WEIGHT: 8.9 ppg
 WORK DESCRIPTION: Moved in Excell Rig #2 on turnkey contract at 19:00 hours - 06/10/91. Rigged up and spudded well at 02:00 hours - 06/11/91. Drilled 0' - 368'.
 SURVEYS: N/A

- 06-12 RIG DAY: 2 FOOTAGE: 733' CURRENT STATUS: Mix mud
 DEPTH: 1101' FORMATION: Niobrara MUD WEIGHT: 8.9 ppg
 WORK DESCRIPTION: Circulated and surveyed at 368'. TOOH. Ran 7" surface casing to 360' and cemented with 180 sx cement. WOC. Nippled up and tested BOP. Drilled 6-1/4" hole 368'-979'. Lost circulation. Mixed mud. Drilled to 1101'. Lost circulation.
 SURVEYS: 638', 0°, Totco; 679', .50°, Totco

- 06-13 RIG DAY: 3 FOOTAGE: 49' CURRENT STATUS: Circulating
 DEPTH: 1150' FORMATION: Niobrara MUD WEIGHT: 8.7 ppg
 WORK DESCRIPTION: Lost circulation. Mixed mud. Drilled to 1127'. Lost circulation. Waiting on mud and mixed mud. Drilled to 1150' with zero to full returns. TOOH 7 stands. Mixed mud and regained returns. TIH - circulated each joint. Circulated. Surveyed. TOOH. Ran wireline logs. Tripped in hole. Circulated and waited on orders.
 SURVEYS: 1150', 1.00°, Totco

- 06-14 RIG DAY: 4 FOOTAGE: CURRENT STATUS: Released rig
 DEPTH: 1150' FORMATION: Niobrara MUD WEIGHT: N/A
 WORK DESCRIPTION: Circulated and evaluated logs. TOOH, laid down drill pipe. Ran 4-1/2" production casing to 1150'. Cemented same with 85 sxs cement. Cut casing and weld on bell nipple. Released rig at 14:30 hours - 06/13/91.
 SURVEYS: N/A

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WICHITA, KS