

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

API NO. 15- 189-21,497-0000 SEP 19

County STEVENS

IC SW SW Sec. 13 Twp. 31 Rge. 35 X East X West

**CONFIDENTIAL**

Operator: License # 04824

Name: MESA OPERATING LTD. PARTNERSHIP

Address P.O. BOX 2009

City/State/Zip AMARILLO TX 79189

Purchaser: TEXACO TRADING & TRANS

Operator Contact Person: W. RIDDLE

Phone ( 316 ) 356-3026

Contractor: Name: SERVICE DRILLING CO.

License: 5987

Wellsite Geologist: NONE

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

If **OWMO**: old well info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6-3-91 6-16-91 8-9-91

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

510 Ft. North from Southeast Corner of Section

4792' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

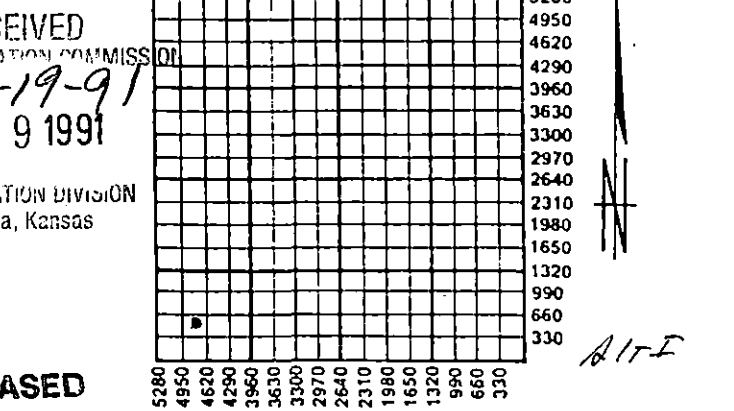
Lease Name MOREHEAD Well # 1-13

Field Name LAHEY

Producing Formation CHESTER

Elevation: Ground 2961' KB 2972'

Total Depth 5900' PBTD 5665'



Amount of Surface Pipe Set and Cemented at 1836' Feet

Multiple Stage Cementing Collar Used?  Yes  No

Depth of Section Depth set \_\_\_\_\_ Feet

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

RECEIVED  
STATE CORPORATION COMMISSION  
9-19-91  
SEP 19 1991

RELEASED

OCT 20 1993

FROM CONFIDENTIAL

**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.

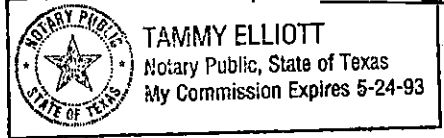
Signature Deana Q. Pea

Title ADMINISTRATIVE CLERK Date \_\_\_\_\_

Subscribed and sworn to before me this 18th day of September 1991.

Notary Public Tammy Elliott

Date Commission Expires 5-24-93



**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)

Operator Name: MESA OPERATING LTD. PARTNERSHIP Lease Name: MOREHEAD Well # 1-13

Sec. 13 Twp. 31 Rge. 35  East  West County STEVENS

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p style="text-align: center;"><b>Formation Description</b></p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>CHASE</td> <td>2562'</td> <td>CHESTER 5520'</td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2877'</td> <td>STE. GENEVIEVE 5628'</td> </tr> <tr> <td>HEEBNER</td> <td>4040'</td> <td>ST. LOUIS 5684'</td> </tr> <tr> <td>LANSING</td> <td>4110'</td> <td></td> </tr> <tr> <td>KANSAS CITY</td> <td>4632'</td> <td></td> </tr> <tr> <td>MARMATON</td> <td>4810'</td> <td></td> </tr> <tr> <td>CHEROKEE</td> <td>5000'</td> <td></td> </tr> <tr> <td>ATOKA</td> <td>5130'</td> <td></td> </tr> <tr> <td>MORROW</td> <td>5338'</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	CHASE	2562'	CHESTER 5520'	COUNCIL GROVE	2877'	STE. GENEVIEVE 5628'	HEEBNER	4040'	ST. LOUIS 5684'	LANSING	4110'		KANSAS CITY	4632'		MARMATON	4810'		CHEROKEE	5000'		ATOKA	5130'		MORROW	5338'	
Name	Top		Bottom																													
CHASE	2562'		CHESTER 5520'																													
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ATOKA	5130'																															
MORROW	5338'																															
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 (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																															

**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#	1836'	PREM. +LT.	640	2% CaCl
PRODUCTION	7-7/8"	5-1/2"	15.5#	5899'	PREM.	150	3% CaCl
					PREM LT.	225	3% CaCl
					PREM.	870	3% CaCl

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	5544' - 5592'	7600 GAL. 15% HCl-Fe 80,000 GAL. X-LINKED GEL + 168,000 20/40 SAND	5544' - 5592'

<b>TUBING RECORD</b>	Size <u>2-3/8"</u>	Set At <u>5608</u>	Packer At <u>NONE</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production <u>8-29-91</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <u>133</u> Gas Mcf <u>62</u> Water Bbls. <u>60.5</u> Gas-Oil Ratio <u>466 FT<sup>3</sup>/BBL</u> Gravity <u>45.1°API</u>

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 5544' - 5592'

ORIGINAL

RECEIVED

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

INVOICE

ORIGINAL

HALLIBURTON SERVICES

JUN 17 1991

KCS A Halliburton Company

INVOICE NO.	DATE
141753	06/05/1991

WELL LEASE NO./PLANT NAME .. WELL/PLANT LEASING DEPARTMENT STATE WELL/PLANT OWNER

MOREHEAD 1-13 KS SAME

SEP 19  
CONFIDENTIAL

LIBERAL SERVICE #2 CEMENT SURFACE CASING 06/05/1991

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO
575491	WALLY DAELEY	HAL526	B 562	COMPANY TRUCK	16976

MESA OPERATING LTD PARTNERSHIP  
ATTN ACCOUNTING DEPT  
ONE MESA SQUARE  
P O BOX 2009  
AMARILLO, TX 79189-2009

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

41610	011	010					
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PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	34	MI	2.60	88.40
		1	UNT		
001-016	CEMENTING CASING	1813	FT	1,020.00	1,020.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8	IN	130.00	130.00
		1	EA		
504-043	PREMIUM CEMENT	150	SK	6.85	1,027.50
504-120	HALL. LIGHT -PREMIUM PLUS	640	SK	6.29	4,025.60
507-210	FLOCELE	198	LB	1.30	257.40
509-406	ANHYDROUS CALCIUM CHLORIDE	15	SK	26.25	393.75
500-207	BULK SERVICE CHARGE	833	CFT	1.15	957.95
500-306	MILEAGE CMTG MAT DEL OR RETURN	856.9685	TMI	.80	685.57
INVOICE SUBTOTAL					8,586.17
DISCOUNT-(SALES)					1,287.93-
*-KANSAS STATE SALES TAX					270.14
*-SEWARD COUNTY SALES TAX					63.57
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$7,631.95

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SEP 19 1991  
CONSERVATION DIVISION  
Wichita, Kansas

DRLG  COMP  LOE  HUGOTON  OTHER   
PLANT  TEMA  AFF # E91005 ACCT # 215  
WELL NAME & NO/OTHER Morehead 1-13  
TAXABLE  EXEMPT  SUB. TO CONTRACT YES  NO   
CORRECT PER CONTRACT \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED JRC/BM VERIFIED BY \_\_\_\_\_ DATE (-17-9)

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KCC

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE

JUL 1 1993 ORIGINAL

HALLIBURTON SERVICES

CONFIDENTIAL

INVOICE NO. 141970 DATE 06/17/1993

Table with columns: WELL LEASE NO./PLANT NAME, WELL/PLANT LOCATION, STATE, WELL/PLANT OWNER, SERVICE LOCATION, CONTRACTOR, JOB PURPOSE, TICKET DATE, ACCT. NO., CUSTOMER AGENT, VENDOR NO., CUSTOMER P.O. NUMBER, SHIPPED VIA, FILE NO.

MESA OPERATING LTD PARTNERSHIP ATTN ACCOUNTING DEPT ONE MESA SQUARE P O BOX 2009 AMARILLO, TX 79189-2009

RECEIVED JUL 0 1 '91 ACCOUNTS PAYABLE

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

Main invoice table with columns: PRICE REF. NO, DESCRIPTION, QUANTITY, U/M, UNIT PRICE, AMOUNT. Includes items like MILEAGE, MULT STAGE CEMENTING, MUD FLUSH, etc.

INVOICE SUBTOTAL DISCOUNT-(BID) INVOICE BID AMOUNT

23,326.64 7,697.76- 15,628.88

RECEIVED STATE CORPORATION COMMISSION SEP 19 1991 CONSERVATION DIVISION Wichita, Kansas

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

AFFIX JOB TKT

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

ORIGINAL



HALLIBURTON SERVICES

KCC

MEM 110:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

ORIGINAL

A Halliburton Company

SEP 19

INVOICE NO.	DATE
141970	06/17/1993

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
MOREHEAD 1-13		STEVENS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
LIBERAL		SERVICE #2		CEMENT PRODUCTION CASING		06/17/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
575491	WALLY DAELEY	HAL526	B 562	COMPANY TRUCK	17710	

MESA OPERATING LTD PARTNERSHIP  
 ATTN ACCOUNTING DEPT  
 ONE MESA SQUARE  
 P O BOX 2009  
 AMARILLO, TX 79189-2009

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
	*-KANSAS STATE SALES TAX				545.95
	*-SEWARD COUNTY SALES TAX				128.48

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DRLG  COMP  LOE  HUGOTON  OTHER   
 PLANT  TEMA  AFF # 141005 ACCT # 215  
 WELL NAME & NO/OTHER Morehead 1-13  
 TAXABLE  EXEMPT  SUB. TO CONTRACT YES  NO   
 CORRECT PER CONTRACT \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED JHC Bm VERIFIED BY \_\_\_\_\_ DATE 7-3-93

RECEIVED  
 STATE CORPORATION COMMISSION  
 SEP 19 1993  
 CONSERVATION DIVISION  
 Wichita, Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$16,303.31

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.

AFFIX JOB TKT

FORM 1900-R4

AND TICKET CONTINUATION KCC

FOR INVOICE AND TICKET NO. 141970



SEP 19

DATE 6/17/1991	CUSTOMER ORDER NO.	WELL NO. AND FARM # 1-13 Morehead	COUNTY Stevens	STATE Kansas
CHARGE TO Mesa Limited Partnership		OWNER Same	CONTRACTOR Service Drlg. # 2	No. <b>B 968247</b>
MAILING ADDRESS		DELIVERED FROM Hugoton, Kansas	LOCATION CODE 25535	PREPARED BY Earl R. Omo
CITY & STATE		DELIVERED TO Loc. SE/Cave, Ks.	TRUCK NO. 1544-6610 4461-4734	RECEIVED BY Young

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.	870	Sk			6.85	5959.50		
504-118		2	B	Halliburton Light Cement.	225	Sk			6.16	1386.00		
508-291	516.00337	2	B	Gilsonite Blended 4# W/720 Cmt.	2880	Lb			.35	1008.00		
509-968	516.00315	2	B	Salt Blended 3% W/870 Cmt.	1044	Lb			.10	104.40		
507-665	70.15556	2	B	Halad-9 Blended .8% W/870 Cmt.	654	Lb			7.50	4905.00		
<del>508-802</del>	<del>70.15302</del>	<del>2</del>	<del>B</del>	<del>Potassium Chloride (On Side)</del>	<del>900</del>	<del>Lb</del>			<del>.25</del>	<del>225.00</del>		
509-406	890.50812	2	B	Calcium Chloride 3% W/100.	3	Sk			26.25	78.75		
RELEASED												
OCT 20 1993												
FROM CONFIDENTIAL												
					RECEIVED STATE COOPERATION COMMISSION SEP 19 1991 OBSERVATION 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			1174		1350.10			
		Mileage Charge	105,368			23		1211.732		1.15		
500-306		2	B	TOTAL WEIGHT	LOADED MILES		TON MILES		.80			
No. <b>B 968247</b>		CARRY FORWARD TO INVOICE						SUB-TOTAL		15761.14		

# JOB LOG

WELL NO. 7-63 LEASE 1111111111111111 TITLE 1111111111111111  
 CUSTOMER Mesa Petroleum Ltd. P. PAGE NO. 1  
 JOB TYPE Cont prod. csg. 2-Stage DATE 6-17-91 **KCC**

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
6-17	1700							Called out Ready @ 2800 lbs
	2040							On Location. L.D.P.
	2300							Start csg.
6-18	0310							Casing in. Hook up to circ. well rig pump
	0425							Circ established
1	0428						1500	Shut down rig pump. Hook up to cement press. test pumps & lines
2	0429	5.0	15		✓		200	Start Mudflush
3	0432	5.5	43.6		✓		250	Start lead cont @ 12.4 ppg
4	0440	4.7	126		✓		150	Start tail cont @ 13.7 ppg
5	0507						0	Cont in. Shut down pumps
	0508							Wash pumps & lines / Drop shut off plug
6	0510	5.8	70		✓		150	Start water disp.
	0522	6.0	60		✓		250	Start mud disp.
7	0532	2.3	14		✓		1000/1500	Slow rate
8	0538						1150/1500	Land plug
								Release press. Flat holding
								Drop opening device
	0558						1100	Open D.U. Tool
	0600							C+CH well rig pump
	1200							Shut down rig pump hook up to cont line
9	1203		15		✓		200	Start mudflush
10	1205	5.5	32.7		✓		200	Start lead cont @ 12.2 ppg
11	1211	5.3	53.4		✓		250	Start tail cont @ 12.4 ppg
12	1221						0	Cont in. Shut down pumps
	1222							Wash pumps & lines / Drop closing plug
13	1225	5.5	60		✓		100	Start water disp.
14	1236	2.2	13		✓		600/1100	Start <del>cont</del> Slow rate
15	1242						1100	Land plug / Close tool
16	1243							Release press. Job completed

ORIGINAL RELEASED

OCT 20 1993

FROM CONFIDENTIAL

SEP 19

CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION

SEP 19 1991

CONSERVATION DIVISION Wichita, Kansas

Thanks for calling Halliburton  
Bill & crew

WELL DATA

FIELD \_\_\_\_\_ SEC. 13 TWP. 31 RNG. 35W COUNTY Stevens STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE KCC

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS SEP 19 MCFD \_\_\_\_\_

PRESENT PROD. OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. CONFIDENTIAL

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>RBE</u>	<u>5900</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>		<u>5900</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5/2</u>	<u>1 Ea</u>	} Baker
FLOAT SHOE		
GUIDE SHOE <u>Reg</u>	<u>1 "</u>	} Baker
CENTRALIZERS <u>5-11</u>	<u>14 "</u>	
BOTTOM PLUG		H
TOP PLUG <u>Set</u>	<u>1 "</u>	O
HEAD <u>ACPC</u>	<u>11</u>	W
PACKER <u>D.V. Tool</u>	<u>11</u>	C
OTHER <u>Hausco Weld</u>	<u>11</u>	O

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-17-91</u>	DATE <u>6-17-91</u>	DATE <u>6-17-91</u>	DATE <u>6-18-91</u>
TIME <u>1700</u>	TIME <u>2040</u>	TIME <u>2300</u>	TIME <u>1243</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B. Young</u>	<u>40078</u>	<u>Liberal Ks</u>
<u>D. 4472</u>	<u>P.U.</u>	<u>Liberal Ks</u>
<u>H.P. Vanrossen</u>		<u>" "</u>
<u>009333</u>	<u>EIT</u>	<u>" "</u>
<u>R. Ellwood</u>	<u>50856-75374</u>	<u>" "</u>
<u>D. 4360</u>	<u>75 TCH ACM</u>	<u>" "</u>
<u>K. Myers</u>	<u>446-4734</u>	<u>" "</u>
<u>59018</u>	<u>BK TCK</u>	<u>Hugoton Ks</u>
<u>late</u>	<u>1544-6610</u>	<u>" "</u>
	<u>BK TCK</u>	<u>" "</u>
<u>P. Cline</u>		<u>" "</u>
<u>B 4372</u>	<u>BK TCK</u>	<u>" "</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. \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

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 Cement

DESCRIPTION OF JOB Cont. prod. casey - 2 stage

FROM CONFIDENTIAL

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X Willy Dunsley

HALLIBURTON OPERATOR Rick Young COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>125</u>	<u>Lightweight</u>	<u>Arcom</u>	<u>8</u>	<u>4% sk gibsonite</u>	<u>1.96</u>	<u>12.4</u>
	<u>595</u>		<u>"</u>	<u>"</u>	<u>" " " " 3% salt, 8% H2O2</u>	<u>1.19</u>	<u>15.7</u>
<u>2</u>	<u>100</u>	<u>Lightweight</u>	<u>Arcom</u>	<u>8</u>	<u>3% cc</u>	<u>1.25</u>	<u>12.8</u>
	<u>275</u>					<u>1.09</u>	<u>16.4</u>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN INSTANT \_\_\_\_\_ 5 MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 84.43 REASON Shoe joint

SUMMARY

VOLUMES

PRESLUSH (BBL) GAL 15/15 TYPE ME/ME

LOAD & RKN: BBL GAL \_\_\_\_\_ PAD: BBL GAL \_\_\_\_\_

TREATMENT (BBL) GAL \_\_\_\_\_ DISPL: (BBL) GAL 7000/74

CEMENT SLURRY: (BBL) GAL 43+126=169 / 32+5.3=85

TOTAL VOLUME: (BBL) GAL 498

RECEIVED STATE CORPORATION COMMISSION

SEP 19 1991

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER: NASA LTD PA  
LEASE: Nonehead  
WELL NO: 1-13  
JOB TYPE: Cont. prod. casey - 2 stage  
DATE: 6-17-91



DISTRICT Liberal, KS

CONFIDENTIAL

DATE 4-17-91

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

WELL NO. 1-13 LEASE Morehead SEC. 13 TWP. 31 RANGE 3544

FIELD \_\_\_\_\_ COUNTY Stevens STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_ THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_ PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT \_\_\_\_\_ BORE HOLE \_\_\_\_\_ INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NI.W USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB<sup>1</sup></u>	<u>5900</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 1/2</u>		<u>5900</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

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

Cmt prodsg - 2 Stage

RELEASED

OCT 20 1993

FROM CONFIDENTIAL

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 (rates are payable NET by the 20th of the following month after date of invoice. Upon Customer's default 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 negligence, strict liability, or the presence of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether 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 product, 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 FOR USE, OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's remedies in a course 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, 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 or damage is due to the gross 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 repair unless such damage is caused by the gross 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 occur at any time after delivery to Customer at the location or returned to the lander, unless such loss or damage is caused by the gross 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 laws 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.

RECEIVED CONSERVATION DIVISION STATE CORPORATION COMMISSION SEP 19 1991

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. SIGNED Wally D... CUSTOMER DATE 6-78-91 TIME 2:00 A.M. (P.M.)

FORM 1906 R-11

SEP 19

WELL NO.—FARM OR LEASE NAME <b>1-13 MOREHEAD</b>		COUNTY <b>Stevens</b>	STATE <b>Ks</b>	CITY / OFFSHORE LOCATION <b>CONFIDENTIAL</b>	DATE <b>6-17-91</b>
CHARGE TO <b>MESA LIMITED PARTNERSHIP</b>		OWNER <b>SAME</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JO YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS		CONTRACTOR <b>Service W/O Rigs #2</b>	LOCATION <b>1 Liberal Ks</b>		CODE <b>25546</b>
CITY, STATE, ZIP		SHIPPED VIA <b>Co TRK</b>	LOCATION <b>2 Hugoton Ks</b>		CODE <b>2553</b>
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO. <b>B-968247</b>	DELIVERED TO <b>Loc SE/Cave Ks</b>		LOCATION <b>3</b>
TYPE AND PURPOSE OF JOB <b>035-Cmt prod. w/ 2 stage</b>		ORDER NO.	REFERRAL LOCATION		

ORIGINAL

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 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 case 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	1	UN	35	Mi	260	91 00
007-013	001-016	1		Pump Charge 1 <sup>st</sup> Stage	5900	FT	1	UN		1520 00
007-161		1		Pump Charge 2 <sup>nd</sup> stage	2	Stage	1	UN		1025 00
007-203		1		Additional Hours	4	Hrs			180	720 00
018-315		1		MUDFLUSH	1260	gal			25/91	693 00
40	807.93022	1		5-4 Centralizers	14	EA	5 1/2	In	44.00	616 00
71	813.80300	1		D.V. Tool	1	"	"	"		2450 00
75	813.110510	1		D.V. Plug Set	"	"	"	"		439 00
350	890.10802	1		Houra Wkld "11"	1	Lb				11 50
RELEASED										
OCT 20 1993										
FROM CONFIDENTIAL										
RECEIVED STATE CORPORATION COMMISSION SEP 19 1991 CONSERVATION DIVISION Wichita, Kansas										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B-968247**

15761 14

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X **WALLY Daeley**  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **[Signature]**  
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.

**Bill Young**  
HALLIBURTON OPERATOR  
333,000 + SVSS

**J. P. [Signature]**  
HALLIBURTON APPROVAL

SUB TOTAL

23326 64

APPLICABLE TAXES V. BE ADDED ON INVOICE

NET WEIGHT ON T.C. (Additional)

**HALLIBURTON SERVICES**  
Duncan, Oklahoma 73530

A Division of Halliburton Company

KCC

TICKET NO. 141753- [ ]

SEP 19

FORM 1900 R-11

WELL NO. — FARM OR LEASE NAME <i>MOORE HEAD 1-13</i>		COUNTY <i>STEVENS</i>	STATE <i>Ks</i>	CITY / OFFSHORE LOCATION <b>CONFIDENTIAL</b>	DATE <i>6-5-91</i>
CHARGE TO <i>MEGA OPERATING LTD PARTNERSHIP</i>		OWNER <i>SAME</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS <i>MEGA OPERATING LTD PARTNERSHIP</i>		CONTRACTOR <i>SERUKE #2</i>	LOCATION <i>1 LIBERAL</i>	CODE <i>25546</i>	
CITY, STATE, ZIP		SHIPPED VIA <i>Howco</i>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <i>2 HUGOTON</i>	CODE <i>25535</i>
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO. <i>B-968211</i>	DELIVERED TO <i>LOCATION</i>	LOCATION <i>3</i>	CODE
TYPE AND PURPOSE OF JOB <i>010</i>		ORDER NO.	REFERRAL LOCATION		

**ORIGINAL**

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 whose 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	34	MI			2.60	88	46
001-016				PUMPING SERVICE	8	HR	1813	'		1020	00
030-018				S-W TOP PWC	1	BA	85	'		130	00
<p><b>RELEASED</b></p> <p><b>OCT 20 1993</b></p> <p><b>FROM CONFIDENTIAL</b></p>											
<p><b>RECEIVED</b></p> <p>STATE CORPORATION COMMISSION</p> <p><b>SEP 19 1991</b></p> <p>CONSERVATION DIVISION Wichita, Kansas</p>											

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-968211**

7347 78

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
 X WALLY DRELEY  
 CUSTOMER OR HIS AGENT (PLEASE PRINT)  
 X Wally Dreyer  
 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.  
Ken Lavin  
 HALLIBURTON OPERATOR  
 HALLIBURTON APPROVAL HP CORP

SUB TOTAL **8586 13**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



**BULK MATERIALS DELIVERY  
AND  
TICKET CONTINUATION**

**KCC** FOR INVOICE AND TICKET NO. 141753

**SEP 19**

DATE 6-5-91	CUSTOMER ORDER NO.	WELL NO. AND FARM Moorehead 1-13	COUNTY Seward	STATE KS
CHARGE TO Mesa Operating Ltd. Partnership.		OWNER Same	CONTRACTOR Service # 2	No. <b>B 968211</b>
MAILING ADDRESS		DELIVERED FROM Hugoton	LOCATION CODE 25535	PREPARED BY Rick Rawlins
CITY & STATE <b>ORIGINA</b>		DELIVERED TO Loc. ES/Cave, KS	TRUCK NO.	RECEIVED BY <i>KINSINGER</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	150 <del>870</del>	sk			6.89 <del>6.85</del>	1027	50	
504-120		2	B	Halliburton Light Cement	640	sk			6.29	4025	60	
507-210	890.50071	2	B	Flocele blended 1/4 lb/sk	198	lb			2.30	257	40	
509-406	890.50812	2	B	Calcium Chloride blended W/790	15	sk			26.25	393	75	
<p><b>RELEASED</b></p> <p><b>OCT 20 1993</b></p> <p><b>FROM CONFIDENTIAL</b></p>												
<p>RECEIVED STATE COMMISSION SEP 19 1991 CONSERVATION DIVISION 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 833	1.15		958	95	
500-306		2	B	Mileage Charge	TOTAL WEIGHT 74519	LOADED MILES 23	856.9685 TON MILES	.80		685	58	
No. <b>B 968211</b>		CARRY FORWARD TO INVOICE					SUB-TOTAL				7347	78

SEP 19

ATTACH TO INVOICE & TICKET NO. 141753

CONFIDENTIAL

DISTRICT LIBERAL

DATE 6-5-91

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

WELL NO. 1-13 LEASE MOOREHEAD SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

FIELD \_\_\_\_\_ COUNTY STEVENSON STATE Ks OWNED BY MESA

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_  
TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT \_\_\_\_\_  
BORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF \_\_\_\_\_  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF \_\_\_\_\_

RELEASED

OCT 20 1993

FROM CONFIDENTIAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	24	8 5/8	KB	1813	
LINER						
TUBING						
OPEN HOLE			12 1/2	KB	1835	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

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

CEMENT 8 5/8 LSC w/ 640 SK PREMIUM PLUS LITE w/ 290 CC, 1/4" # FIBER - 150 SK  
PREMIUM w/ 390 CC, 1/4" # FIBER - DISPLACE w/ H<sub>2</sub>O

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 first 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.
  - 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 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 division, 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 product, 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 an 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 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 repair 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 location of 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.

RECEIVED  
STATE CORPORATION COMMISSION

SEP 19 1991

SIGNED [Signature] CUSTOMER

DATE 6-5-91

TIME 1400 A.M. P.M.

WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. K9C COUNTY STEVENS STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_ NEW USED \_\_\_\_\_ WEIGHT \_\_\_\_\_ SIZE \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_ MAXIMUM PSI ALLOWABLE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_ CASING \_\_\_\_\_ LINER \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-5</u>	DATE <u>6-5</u>	DATE <u>6-5</u>	DATE <u>6-5</u>
TIME <u>0800</u>	TIME <u>1330</u>	TIME <u>1800</u>	TIME <u>2100</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>KUSSINGER</u>	<u>01293</u>	<u>2745P LIBERAL</u>
<u>DAWS</u>	<u>71322</u>	<u>4900-25496 "</u>
<u>GILBERT</u>	<u>83445</u>	<u>50737-75505 HUGOTON</u>
<u>CRANK</u>	<u>09996</u>	<u>3315-5303 "</u>

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. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

RELEASED

OCT 20 1993

FROM CONFIDENTIAL

DEPARTMENT

CEMENT

DESCRIPTION OF JOB 650 SK PREM. PLUS LITE W/ 240  
20 1/2" FLOCELE - 150 SK PREMIUM W/ 370  
09 1/2" FLOCELE -

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE

*X* Wally Simpson

HALLIBURTON OPERATOR

KUSSINGER

COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>640</u>	<u>PREM PLUS LITE</u>		<u>B</u>	<u>20 LB, 1/2" FLOCELE</u>	<u>2.06</u>	<u>12.4</u>
<u>2</u>	<u>150</u>	<u>PREMIUM</u>		<u>B</u>	<u>39 LB, 1/2" FLOCELE</u>	<u>1.15</u>	<u>16.0</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRES LUSH: BBL-GAL. 20 TYPE 1/20

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 115

SHUT-IN INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL. 266

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ STATE \_\_\_\_\_ CORPORATION COMMISSION

AVERAGE RATES IN BPM \_\_\_\_\_ REMARKS \* CEMENT TO SURFACE

TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_ CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 44' REASON SHOE LAST

SEP 19 1991

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER: 11554  
LEASE: ALPHEEHEAD  
WELL NO: 1-13  
JOB TYPE: 858 SURFACE  
DATE: 6-5-91

