

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

ORIGINAL

API NO. 15- 189-21,518-0000

County STEVENS

C NE SW Sec. 13 Twp. 31 Rge. 35 X W

1935 Feet from (S)N (circle one) Line of Section  
3161 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name MOORHEAD Well # 2-13

Field Name LAHEY

Producing Formation CHESTER

Elevation: Ground 2935' KB 2947'

Total Depth 5850' PBTD 5595'

Amount of Surface Pipe Set and Cemented at 1826 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from NA

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ ex cmt.

Drilling Fluid Management Plan alt I 8-27-92  
(Data must be collected from the Reserve Pit) CB.

Chloride content 4,586 ppm Fluid volume 50 bbls

Dewatering method used EVAPORATION/DISPOSAL

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name MESA OPERATING LIMITED PARTNERSHIP

Lease Name MCCABE #2 SWD License No. 04824

C SE NE Quarter Sec. 3 Twp. 30S Rng. 35 X W

County GRANT Docket No. D-19,040

Operator: License # 04824

Name: MESA OPERATING LIMITED PARTNERSHIP

Address P.O. BOX 2009

City/State/Zip AMARILLO TX 79189

Purchaser: TEXACO TRADING & TRANSP. INC.

Operator Contact Person: WAYNE RIDDLE

Phone (316) 356-3026

Contractor: Name: ZENITH DRILLING CORP.

License: 5141

Wellsite Geologist: N/A

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  S16W  
 Dry  Other (Core, WSW, Expl. Cathodic, etc)

If Workover/Re-Entry: old well info \_\_\_\_\_

Operator: \_\_\_\_\_

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

Comp. Date \_\_\_\_\_ Old Tool Joint \_\_\_\_\_

Deepening  Re-perf.  Conv.  PBTB  
 Plug Back  PBTB  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) Docket No. \_\_\_\_\_

Spud Date 11-5-91 Date Reached TD 11-18-91 Completion Date 1-25-92

RECEIVED  
KANSAS CORPORATION COMMISSION  
3-30-92  
MAR 30 1992  
CONSERVATION DIVISION  
WICHITA, KANSAS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report 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.

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 Tammy Elliott

Title ADMINISTRATIVE CLERK Date 2-5-92

Subscribed and sworn to before me this 6th day of March 19 92

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  Geologist Report Received

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

TAMMY ELLIOTT  
Notary Public, State of Texas  
My Commission Expires 5-24-93

MAR 13 1992  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name

MESA OPERATING LIMITED PARTNERSHIP

SIDE TWO

Lease Name

MOORHEAD

Well # 2-13

Sec. 13 Twp. 31 Rge. 35  EastCounty STEVENS  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  Yes  No  
(Attach Additional Sheets.)Samples Sent to Geological Survey  Yes  NoCores Taken  Yes  NoElectric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:

- 1) DUAL INDUCTION FOCUSED LOG GAMMA RAY
- 2) COMPENSATED NEUTRON GAMMA RAY
- 3) MINILOG GAMMA RAY
- 4) BHC ACOUSTILOG GAMMA RAY

 Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
CHASE	2548'	
COUNCIL GROVE	2860'	
LANSING	4100'	
KANSAS CITY	4610'	
MORROW	5310'	
CHESTER	5508'	
STE. GENEVIEVE	5616'	

## 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#	1826'	"C"	630	2% CaCl
PRODUCTION	7-7/8"	5-1/2"	15.5#	5851'	"H"	630	2% CaCl

## ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	5530'-5582'	"C"	15	3.3# D-127 FLUID LOSS, 10# D-46 ANTIFOAMER
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
2 JSPF	5530'	5582' &	6000 GALS 15% HCl-FE + 30#		5530-5582
1 JSPF	5610'	5614'	BORATE XL GEL W/168,000#		5610-5614
			20-40 OTTAWA SAND		
	CIBP	5600'			

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	5514'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 1-28-92 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 5 Bbls. Gas TSTM Mcf Water 30 BPD Bbls. Gas-Oil Ratio 39.7 @ 94° Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

 Vented  Sold  Used on Lease  
(If vented, submit ACO-18.) Open Hole  Perf.  Dually Comp.  Commingled Other (Specify)



**CEMENTING SERVICE REPORT**

DS-496 PRINTED IN U.S.A.

**DOWELL SCHLUMBERGER INCORPORATED**

TREATMENT NUMBER: **03124100** DATE: **11/6/91**  
 STAGE: **DS** DISTRICT: **ULYSSES KS**

WELL NAME AND NO.: **MOOREHEAD 2-13** LOCATION (LEGAL): **SEC 13-315-35W** RIG NAME: **ZENITH #6**  
 FIELD POOL: \_\_\_\_\_ FORMATION: \_\_\_\_\_ WELL DATA: BIT SIZE: **12 1/4** CSG/Liner Size: **8 1/2** BOTTOM: \_\_\_\_\_ TOP: \_\_\_\_\_  
 COUNTY/PARISH: **STEVENS CO** STATE: **KANSAS** API NO.: \_\_\_\_\_ TOTAL DEPTH: \_\_\_\_\_ WEIGHT: **29**  
 NAME: **MESA LIMITED PARTNERSHIP** MUD TYPE: \_\_\_\_\_ GRADE: \_\_\_\_\_  
 AND: \_\_\_\_\_ MUD DENSITY: **9.4** LESS FOOTAGE SHOE JOINT(S): **40** TOTAL: \_\_\_\_\_  
 MUD VISC: **35** Disp. Capacity: **113.8** TOTAL: **113.8**

ADDRESS: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_  
 NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS: **CEMENT SURFACE CASING (8 1/2") @ 1827' W/ 650 SKS OF LEAD & 140 SKS OF TAIL AS DIRECTED BY CLIENT.**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE: **750** PSI CASING WEIGHT: \_\_\_\_\_ SURFACE AREA: (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT: **2000** PSI BUMP PLUG TO: **1250** PSI  
 ROTATE: \_\_\_\_\_ RPM RECIPROCATE: \_\_\_\_\_ FT. No. of Centralizers: **5**

JOB SCHEDULED FOR TIME: **2200** DATE: **11/6/91** ARRIVE ON LOCATION TIME: **2030** DATE: **11/6/91** LEFT LOCATION TIME: **900** DATE: **11/7/91**

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM.				
0001 to 2400								
702		130	40		2.0	H <sub>2</sub> O	8.33	START H <sub>2</sub> O AHEAD
707								SHUT DOWN & PRESSURE TEST OUR LINES, 2000PSI
709		210	230	40	8.0	CM	12.2	START SLURRY AHEAD
739		240	29	230	8.0	CM	15.6	START TAIL SLURRY
743				29				SHUT DOWN / DROP TOP PLUG
745		150	114		8.0	H <sub>2</sub> O	8.33	START DISPLACEMENT
755		400		83	8.0			CEMENT TO SURFACE ✓
803		550		104	2.0			SLOW RATE TO 2.0 GPM
804		1250		114				BUMP PLUG BLEEDOFF PRESSURE, FLOAT HELD

REMARKS: \_\_\_\_\_

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	62	2.1	35/65 POZ "C"	+ 6% TO D20 + 2% O.S.I. + 1/4" L.P. D20	230	12.2
2.	140	1.10	CLASS "H"	+ 2% O.S.I. + 1/4" L.P. D20	29	15.6
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE: \_\_\_\_\_ VOLUME: \_\_\_\_\_ DENSITY: \_\_\_\_\_ PRESSURE: \_\_\_\_\_ MAX: \_\_\_\_\_ MIN: \_\_\_\_\_  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf:  YES  NO, Bbls.  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls  
 Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  \_\_\_\_\_  WIRELINE  
 TYPE OF WELL:  OIL  STORAGE  BRINE WATER  
 GAS  INJECTION  WILDCAT  
 PERFORMANCES TO TO CUSTOMER REPRESENTATIVE: **DALE TAYLOR** DS SUPERVISOR: **NICK PISKURICH**



INVOICE

REMIT TO:

P O BOX 201556  
HOUSTON TX 77216

INVOICE DATE  
11/07/91

PAGE 1  
INVOICE NUMBER 83-12-4130

TYPE SERVICE  
CEMENTING  
CEMENT SURFACE C

0312

SPECIAL HANDLING

126848  
MESA LTD PARTNERSHIP  
ONE MESA SQUARE, ACCOUNTING DEPT.  
P O BOX 2009  
AMARILLO TX 79189

PLANT	JOB	DATE	AMOUNT	REMARKS
MOOREHEAD 2-13				

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
MOOREHEAD 2-13	KS	STEVENS	ULYSSES		
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC 13-31S-35W			11/06/91	DALE TAYLOR	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	32	2.6500	84.80
102871020	CSNG CMNT 1501-2000' 1ST 8HR	8HR	1	1,000.0000	1,000.00
049102000	TRANSPORTATION CMNT TON MILE	MI	1162	.8000	929.60
049100000	SERVICE CHG CEMENT MATL LAND	CFT	852	1.1500	979.80
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00
040003000	D903, CEMENT CLASS C	CFT	410	7.7500	3,177.50
040015000	D909, CEMENT CLASS H	CFT	140	7.2500	1,015.00
045000000	D35, LITEPOZ 3 EXTENDER	CFT	220	3.5000	770.00
045014050	D20, BENTONITE EXTENDER	LBS	3289	.1600	526.24
067005100	SI CALCIUM CHLORIDE	LBS	1358	.3400	461.72
044003025	D29, CELLOPHANE FLAKES	LBS	200	1.4500	290.00
056702005	PLUG CENG 8-5/8" TOP PLASTIC	EA	1	95.0000	95.00
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
	DISCOUNT - MATERIAL				1,330.44
	DISCOUNT - SERVICE				655.04
				SUB TOTAL --	7,469.18
				STATE TAX ON	5.005.01
				LOCAL TAX ON	5.005.01
				AMOUNT DUE --	7,731.95

RECEIVED  
NOV 25 '91

ACCOUNTS PAYABLE

180 C  
180 F C

MOOREHEAD 2-13  
 PLANT NO. 215  
 WELL NAME & NO. OTHER  
 TAXABLE  EXEMPT  SUB. TO CONTRACT YES  NO   
 CORRECT PER CONTRACT  
 APPROVED JLC Bm VERIFIED BY DATE 12-17-91

OPERATIONS SERVICES  
NOV 27 1991

RECEIVED  
KANSAS CORPORATION COMMISSION

MAR 13 1992

CONSERVATION DIVISION  
WICHITA, KS

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 38-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 31 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson



DSI SERVICE ORDER RECEIPT AND INVOICE NO. **0112-0119**  
 CUSTOMER NUMBER **126848** CUSTOMER P.O. NUMBER **126848**

OILFIELD SERVICES  
 INDUSTRIAL SERVICES  
 SERVICE LOCATION NAME AND NUMBER  
 TYPE SERVICE CODES **2 FS** BUSINESS CODES  
 WORKOVER NEW WELL OTHER  
 API OR IC NUMBER

CUSTOMER'S NAME **Moss Limited Partnership**  
 ADDRESS  
 CITY, STATE AND ZIP CODE

ARRIVE LOCATION **11/18/91** TIME  
 SERVICE ORDER RECEIPT

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. in accordance with the terms and conditions as printed on the reverse side of this form.

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

STATE **TX** COUNTY/PARISH **Harris** CITY **Houston**

JOB COMPLETION **11/18/91** TIME  
 SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE **Wal J...**

WELL NAME AND NUMBER / JOB SITE **Mosshead 2-B** LOCATION AND POE/PLANT ADDRESS **Sec 13-36-30** SHIPPED VIA **DS**

ITEM/PRICE REF. NO.	MATERIAL EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
702811-000	PUMP	EA	1	1485.00	1485.00
048016-000	2nd stage pump	EA	1	975.00	975.00
059697-000	PAI 2 chg	EA	1	125.00	125.00
059200-002	mileage	mi	30	265	7950
049702-000	loading	EA	1	20	20.00
0619100-000	DRILL	EA	1	1115	1115.00
040015-000	D909	EA	1	1133	1133.00
045008-000	D35	EA	1	1230	1230.00
045014-000	D35	EA	1	1230	1230.00
061005-100	DRILL	EA	1	34	34.00
045019-050	DRILL	EA	1	1041	1041.00
097002-050	DRILL	EA	1	285	285.00
101056-050	DRILL	EA	1	2844	2844.00
100282-000	DRILL	EA	1	2490	2490.00
5798-000	stage cost (BAK)	EA	1	4000.00	4000.00

**RECEIVED**

THANKS FOR USING DSI  
 TOTAL \$ **22055.30**  
 Field est: **22054.46**  
 License/Reimbursement Fee: **16,322.09**

REMARKS: **oil**  
 Cement 24%  
 Tool 35%  
 STATE **TX** TAX ON \$ **12687.20**  
 COUNTY **Harris** TAX ON \$ **537.29**  
 CITY **Houston** TAX ON \$ **126.87**  
 SIGNATURE OF DSI REPRESENTATIVE **Lynn Engenel** TOTAL \$ **16,988.16**

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 05-12-4149 DATE: 11-17-91  
 STAGE: 1st DS: CILY CSRC DISTRICT: KS

DS-496 PRINTED IN U.S.A.

2312-4149

WELL NAME AND NO. **Mophead 2-13-50c-13-3k-25c** LOCATION (LEGAL) **2312-4149** RIG NAME **2312-4149**  
 FIELD-POOL **2-13-50c-13-3k-25c** FORMATION **2312-4149** WELLS DATA **2312-4149** BOTTOM **2312-4149** TOP **2312-4149**  
 COUNTY/PARISH **St. Louis** STATE **Ks** APL. NO. **2312-4149**  
 NAME **Mosa Limited Partnership**  
 AND **2312-4149**

ADDRESS **2312-4149** ZIP CODE **2312-4149**  
 SPECIAL INSTRUCTIONS **1st stage**  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **3828** PSI CASING WEIGHT SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **1790** PSI BUMP PLUG TO **1790** PSI  
 ROTATE  RPM  RECIPROCATE  FT. No. of Centralizers **3**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **3828** PSI CASING WEIGHT SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **1790** PSI BUMP PLUG TO **1790** PSI  
 ROTATE  RPM  RECIPROCATE  FT. No. of Centralizers **3**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM.	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
1649											
1652		0	50		5	147					
1702		90	43			12.3					
1710		120	81			15.0					
1730											
1740		160	127.5	70	6.5	12.0					
1751		40			5.9	mod					
1759		640			5.3	mod					
1802		970			3.2	mod					
1805		1790			3.2	mod					
1806											
1810											
1820		660				mod					

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	115	2.10	5500 + 6% D-20 + 2% rock + 5% KK D-42	43	12.2
2.					
3.	385	1.18	class H + .8% D-127 + 1% rock + .2% D-46 + 5% SK D-42	81	15.0
4.					
5.					
6.					

BREAKDOWN FLUID TYPE  HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO  
 PRESSURE MAX. MIN. Cement Circulated To Surf.  YES  NO Bbls.  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **134.5** Bbls. TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE  
 PERFORATIONS CUSTOMER REPRESENTATIVE **Dale Taylor** DS. SUPERVISOR **James Esquivel**

CEMENTING SERVICE REPORT



TREATMENT NUMBER: 0312-4149 DATE: 11-17-91  
 STAGE: 2nd DS: WYSSAC DISTRICT: KS

DS-498 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. **Moosehead 2-13** LOCATION (LEGAL) **Sec 13-31s-35w** RIG NAME **Zenith 16**

FIELD-POOL **Stavens** COUNTY/PARISH **Stavens** STATE **KS** APT. NO. **KS**

NAME **Mose Limited Partnership**

WELL DATA		BOTTOM		TOP	
BIT SIZE <b>7 7/8</b>	CSG/Inner Size				
TOTAL DEPTH	WEIGHT				
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE				
MUD TYPE	GRADE				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE-JOINT(S)				TOTAL
MUD VISC	Disp. Capacity				

ADDRESS \_\_\_\_\_ ZIP CODE \_\_\_\_\_

SPECIAL INSTRUCTIONS **2nd stage**

IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE <b>2023</b> PSI	CASING WEIGHT SURFACE AREA (3.14 x R <sup>2</sup> )
PRESSURE LIMIT _____ PSI	BUMP PLUG TO <b>2080</b> PSI	
ROTATE _____ RPM	RECIPROCATE _____ FT	No. of Centralizers _____

JOB SCHEDULED FOR TIME \_\_\_\_\_ DATE \_\_\_\_\_ ARRIVE ON LOCATION TIME **0230** DATE **11-18-91**

TIME	PRESSURE		VOLUME PUMPED, bbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
0003		10	50		5.0	12.7					
0005		300		8	5.0	12.7					
0013		260	45		5.0	12.2					
0022		140			5.0	15.0					
0031		0									
0034		0	514		5.0	11.3					
0040		100		32	5.0	11.0					
0043		320		50	5.0	11.3					
0046		670		65	2	11.0					
0050		2080		74	2	11.0					
0051											

REMARKS \_\_\_\_\_

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	120	2.10	class C 35part + 6% D-20 + 2% cack		44.8	12.2
2.						
3.	245	1.18	class H + .8% D-127 + 1% cack + .2% D46		51.4	15.6
4.						
5.						
6.						

BREAKDOWN FLUID TYPE \_\_\_\_\_ VOLUME \_\_\_\_\_ DENSITY \_\_\_\_\_ PRESSURE: \_\_\_\_\_ MAX. \_\_\_\_\_ MIN. \_\_\_\_\_

HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. \_\_\_\_\_ Bbls. TYPE OF WELL  OIL  GAS  STORAGE  BRINE WATER  WILDCAT

Washed Thru Perfs  YES  NO TO \_\_\_\_\_ FT. MEASURED DISPLACEMENT \_\_\_\_\_  WIRELINE.

PERFORATIONS TO \_\_\_\_\_ TO \_\_\_\_\_ CUSTOMER REPRESENTATIVE \_\_\_\_\_ DS: SUPERVISOR **James Equival**





LIMIT RECEIVED

REMIT TO:

P O BOX 201556 HOUSTON TX 77216

DEC 23 1991 INVOICE

0312 SPECIAL HANDLING

DEC 16 '91

INVOICE DATE	11/18/91
INVOICE NUMBER	83-12-4149

126848  
 MESA LTD PARTNERSHIP  
 ONE MESA SQUARE, ACCOUNTING DEPT.  
 P O BOX 2009  
 AMARILLO TX 79109

ACCOUNTS PAYABLE

PAGE	1
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TYPE SERVICE	CEMENTING CEMENT PRODUCTIO
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WELL NAME / JOB SITE MOREHEAD 2-13	STATE KS	COUNTY / CITY STEVENS	SERVICE FROM LOCATION ULYSSES	SHIPPED VIA	CUSTOMER P.O. NO./REF.
LOCATION / PLANT ADDRESS SEC 13-31S-35W			DATE OF SERVICE ORDER 11/17/91	CUSTOMER OR AUTHORIZED REPRESENTATIVE DALE TAYLOR	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871060	CSNG CMNT 5501-6000' 1ST 8HR	8HR	1	1,485.0000	1,485.00 ✓
048016000	CEMENT PUMPER-PER ADDL STAGE	8HR	1	975.0000	975.00 ✓
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00 ✓
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	30	2.6500	79.50 ✓
049102000	TRANSPORTATION CMNT TON MILE	MI	1275	.8000	1,020.00 ✓
049100000	SERVICE CHG CEMENT MATL LAND	CFT	955	1.1500	1,098.25 ✓
040003000	D903, CEMENT CLASS C	CFT	153	7.7500	1,185.75 ✓
040015000	D909, CEMENT CLASS H	CFT	630	7.2500	4,567.50 ✓
045000000	D35, LITEPOZ 3 EXTENDER	CFT	82	3.5000	287.00 ✓
045014050	D20, BENTONITE EXTENDER	LBS	1227	.1600	196.32 ✓
067005100	S1, CALCIUM CHLORIDE	LBS	1001	.3400	340.34 ✓
045019050	D42, KOLITE LBT CIRC ADDITI	LBS	2501	.4100	1,025.41 ✓
047002050	D46, ANTIFOAM	LBS	118	2.8500	336.30 ✓
101036050	D127, FLAC FLJ LOSS ADD	LBS	474	6.0000	2,844.00 ✓
100202000	D826, CHEMICAL WASH CM7	BBL	100	24.9000	2,490.00 ✓
057998000	BAKER STAGE TOL	EA	1	4,000.0000	4,000.00 ✓
048601000	CEMENT HEAD RENTAL			.0000	N/C ✓
	DISCOUNT - MATERIAL				4,585.42
	DISCOUNT - SERVICE				1,147.86

RECEIVED

KANSAS CORPORATION COMMISSION

MAR 13 1992 SUB TOTAL -- 16,322.09

M C STATE TAX ON -- CONSERVATION DIVISION 12,687.20 539.20  
 H F C LOCAL TAX ON WICHITA, KS 12,687.20 126.87

AMOUNT DUE -- 16,988.16

ORDER  CORP  USE  NEGOTIATED  OTHER   
 PRINT  TERMS  # 215  
 WELL NAME & NOVATION *Conservation Division 2-13*  
 PAYABLE  EXEMPT  SUB TO CORP  YES  NO   
 CONTACT PER CONTRACT *the Bm* DATE *1-20-92*

WITH QUESTIONS CALL 316-356-  
 FEDERAL TAX ID # 38-239-7172  
 TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 18, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

J. B. Watson  
J.B. WATSON