

ORIGINAL
SIDE ONE

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

Operator: License # 6006

Name: Molz Oil Company

Address R.R. #2, Box 54

City/State/Zip Kiowa, KS 67070

Purchaser: Kansas Gas Supply

Operator Contact Person: Jim Molz

Phone (316) 296-4558

Contractor: Name: Allen Drilling Co.

License: 5418

Wellsite Geologist: Gordon W. Keen

Designate Type of Completion
 New Well Re-Entry Workover

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

If ~~OWO~~: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

1/31/91 2/11/91 2/18/91

Spud Date Date Reached TD Completion Date

API NO. 15- 033-20,810-00-00

County Commanche

NE NE Sec. 13 Twp. 31 Rge. 19 East West

4770' Ft. North from Southeast Corner of Section

475' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

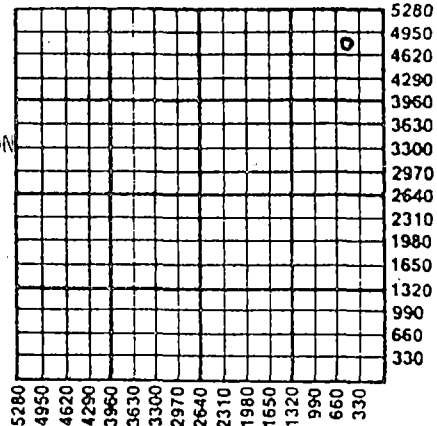
Lease Name Pauline Well # 1-"A"

Field Name Wildcat

Producing Formation Mississippi

Elevation: Ground 2165 KB 2170

Total Depth 5220 PBTD 5190



AIT

Amount of Surface Pipe Set and Cemented at 628 KB Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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

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

Signature _____

Title _____ Date 4/29/91

Subscribed and sworn to before me this 29 day of April, 1991.

Notary Public: B. Ann Leader

B. ANN LEADER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-12-93

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)

SIDE TWO

Operator Name Molz Oil Company Lease Name Pauline Well # 1-"A"
 County Commanche
 Sec. 13 Twp. 31 Rge. 19 East 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																		
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input 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																			
		<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Heebner Sh</td> <td>4270</td> <td>4274</td> </tr> <tr> <td>Brown Lime</td> <td>4437</td> <td>4443</td> </tr> <tr> <td>Lansing</td> <td>4452</td> <td>4820</td> </tr> <tr> <td>Altamont</td> <td>4938</td> <td>4984</td> </tr> <tr> <td>Mississippian</td> <td>5098</td> <td>5220(TD)</td> </tr> </tbody> </table>	Name	Top	Bottom	Heebner Sh	4270	4274	Brown Lime	4437	4443	Lansing	4452	4820	Altamont	4938	4984	Mississippian	5098	5220(TD)
Name	Top	Bottom																		
Heebner Sh	4270	4274																		
Brown Lime	4437	4443																		
Lansing	4452	4820																		
Altamont	4938	4984																		
Mississippian	5098	5220(TD)																		

DST #1 4918-60' Recl500' GIP, 50' GCM w/Trace Condensate IF 50-50#/30",
 ICIP 264#/45", FF 60-60#/60", FCIP 355#/90", IH 2408, FH 2388#, 122 deg.F.
 DST #2 5116-37' Packer Failure - not re-run.

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
Conductor	17.5"	13.375"	42#	232'	common	375	Fly Ash 2% gel
Surface	10.75"	8.625"	23	628'	common	190	Fly Ash 3% gel
Production	7.875"	4.500"	10.5	5,219'	common	135	10% salt 2% gel

PERFORATION RECORD			Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used) Depth	
4	5140-42	5146-48	1st treat 250 gal. De-Mud	5140-48
			2nd treatment 500gal. NE Acid with clay stabilizer	
			3rd treatment 3000gal. super sol. 20	

TUBING RECORD	Size	Set At	Packer At	Liner Run
165, 1/3	2 3/8	5133.83	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

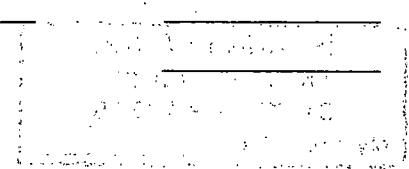
Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	5	24	64	choke	5			
			11,040	MCF				

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 _____





P.O. Box 4442
Houston, Tx. 77210

CUSTOMER COPY
ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 2-1-91	SERVICE CONTRACT NO. 636493
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE 0
WELL NO. 1	LEASE NAME & FEDERAL OFFSHORE LEASE NO. PAULINE A
COUNTY/PARISH COMANCHE	CODE 1407
STATE KANS.	CODE 14
CITY CODE	MTA CODE
FIELD NAME UNNAMED	WELL OWNER MOLZ OIL COMPANY
PUMPING EQUIPMENT	TIME (A OR P)
TRUCK CALLED	DATE MM DD YY 02 01 91
ARRIVED AT JOB	2:15 A
START OPERATION	4:30 A
FINISH OPERATION	8:00 A
TIME RELEASED	10:30 A
MILES FROM STATION TO WELL 46	SALESMAN NUMBER

CUSTOMER ACCOUNT NO.	DIST NAME MED. LOGS KS
CUSTOMER Molz Oil Company	DIST NUMBER 589
ADDRESS R.R #2, P.O. Box 54	
CITY KIOWA	STATE KANSAS
ZIP 67070	
AUTHORIZED BY Ron Molz	ORDER NO.
STAGE NO.	JOB CODE 0100
	WORKING DEPTH 230 FT
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>
TOTAL MEAS. DEPTH FT.	SIZE HOLE 17 1/2
	DEPTH 280 FT
	SIZE & WT. CASING 13 3/8
	DEPTH 230 FT
	SIZE & WT. DRILL PIPE OR TUBING
	DEPTH
	PACKER DEPTH
	FLUID PUMPED
AVG. PSI. 150	MAX. PSI. 450
MAX. BPM 6	
S/S EMPLOYEE NUMBER 647028	

REMARKS

RECEIVED
STATE CORPORATION COMMISSION

APR 20 1991

CONSERVATION DIVISION
Wichita, Kansas

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1011010302	1	Pump Charge	440.00	E	440.00
101109005	45	Pump Mtlage	2.35	E	105.75
10A1050A	225	CLASS A	5.50	Q	1237.50
104110518	150	Fly Ash	2.91	Q	436.50
10920145	645	BJ GEL	.14	L	90.30
104115049	774	A7-P	.46	L	356.04
109401101	756	DRIYAGE TON 168 X MT 45	.75	E	567.00
108800011	399	MIXING CHARGE	1.10	Q	438.90
109311060	1	13 3/8 WOODEN PLUG	85.00	E	85.00
10A09600A	1	13 3/8 BASKET	271.00	E	271.00

SERVICE REPRESENTATIVE: Neal Perry

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442
Houston, Texas 77210

ORIGINAL CEMENTING LOG

STAGE NO.

Date 2-1-91 District Med Lodge KS Ticket No. 636983
 Company Moiz Oil Company Rig A150 2019
 Lease PAULINE Well No. 1-A
 County COMANCHE State KANSAS
 Location Calhoun SW 1/4 Field _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPC _____

LEAD: Pump Time _____ hrs. Type 40/60:2
200 475 Excess _____

Amt. 300 Sks Yield 1.21 ft³/sk Density 14.8 PPC _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPC _____

WATER: Lead 5.0 gals/sk Tail _____ gals/sk Total 90 Bbls _____

CASING DATA PTA Squeeze
 Surface Intermediate Production Liner
 Size 13 7/8 Type _____ Weight _____ Collar _____

Casing Depths: Top _____ Bottom 200'

Pump Trucks Used 151 1992 20

Bulk Equip. 130 2700 - 130 2700 CB

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size 17 1/2 T.D. 2 20' ft. P.B. to 230 ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 1.576 Lin. ft./Bbl. 6.37

Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Annulus: Bbls/Lin. ft. 1.737 Lin. ft./Bbl. 5.758

Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer ARROW

Shoe: Type OPEN END Depth 200

Float: Type 1 1/2" JUNCTION BOX PIPE Depth 290

Centralizers: Quantity _____ Plugs Top 1000 Btm. _____

Stage Collars _____

Special Equip. SAFETY

Disp. Fluid Type Water Amt. 325 Bbls. Weight 33 PPG _____

Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE Ron Moiz

CEMENTER Neal Rupp

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
8:55						Job Safety Procedure
8:20						Run 13 7/8 casing to 209'
9:20						CEMENT CIRCULATION - Rig Pump
9:30						CIRCULATE LANDING SUB DOWN
9:33	150				6	LANDING SUB DOWN - CIRCULATE
9:45	0		66	66		Rig Discharge to Pump Trk.
9:47	100				4	START SLURRY
	115			10	4	SLURRY IN SHUT DOWN
9:55	190		32.5	32.5		RELEASE PLUG START WASH
						CEMENT TO SURFACE
						PLUG DOWN 5000 LB - CIRCULATE
						RELEASE PSI
10:00						Rig up to cap off old hole
10:10				16.5		START SLURRY
						Call for Fluid - Shut Down 75 SX
10:30						Wash up Pump
						Job Complete

RECEIVED
 STATE CORPORATION COMMISSION
 APR 30 1991
 CONSERVATION DIVISION
 Wichita, Kansas

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs.

Form No. SR 0502 (Rev. 3/90)

Note: Must accompany job ticket.

THANK YOU
 DR



D.J. KRAFT SERVICES
LOAD SHEET

ORIGINAL
DATE 3/31/91

JOB NUMBER 500886	CONTRACT NUMBER 630493	DISTRICT NAME MED LODGE
CUSTOMER NAME AND ADDRESS Moliz OIL		DIRECT SHIPMENT FROM VENDOR NAME

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
		FRONT CAN				
1	410509	CLASS A	Q	180		
2	415018	FLASH	Q	180		
3	415019	A7P	L	974		
4	420145	CEL	L	346		
5						
6		REAR CAN	Q			
7	410509	CLASS A	Q	60		15
8	415018	FLASH	Q	30		
9	420145	CEL	L	172		43
10						
11	431060	13 3/8" Wooden Plug	E	1		
12						
13						
14						
15						
16						
17		RECEIVED				
18		STATE CORPORATION COMMISSION				
19		APR 30 1991				
20		CONSERVATION DIVISION				
21		Wichita, Kansas				
22						
23						
24						
25						
26						
27						

COPY 1 — DISTRICT COPY COPY 2 — CUSTOMER COPY COPY 3 — HOUSTON	LOADED BY <u>Carl & Neal</u>	CUSTOMER <u>[Signature]</u>
	<u>Neal Kopp</u>	SIGNATURE
	SIGNATURE	DATE <u>1-31-91</u>



P.O. Box 4442
Houston, Tx. 77210

ORIGINAL

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

DATE 2-2-91	SERVICE CONTRACT NO. 636438				
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE 0				
WELL NO. 1-A	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Pauline				
COUNTY/ PARISH Comanche	STATE ks				
FIELD NAME	CITY CODE				
WELL OWNER: Molz Oil Co	MTA CODE				
STAGE NO.	JOB CODE 0100	WORKING DEPTH 631 FT	PUMPING EQUIPMENT	TIME (A OR P)	DATE
TOTAL PREV. GALS.	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input checked="" type="checkbox"/>		TRUCK CALLED	11:00 P	MM DD YY 02 01 91
TOTAL MEAS. DEPTH FT.	SIZE HOLE 12 1/2	DEPTH 640 FT	ARRIVED AT JOB	01:30 P	02 02 91
AVG. PSI.	SIZE & WT. CASING 8 5/8 23	DEPTH 632 FT	START OPERATION	06:30 A	02 02 91
MAX. PSI.	SIZE & WT. DRILL PIPE OR TUBING	DEPTH	FINISH OPERATION	09:00 A	02 02 91
	PACKER DEPTH	FLUID PUMPED	TIME RELEASED		
			MILES FROM STATION TO WELL	SALESMAN NUMBER	

CUSTOMER ACCOUNT NO.	DIST NAME	
CUSTOMER Molz Oil Co	DIST NUMBER	
ADDRESS RR #2 Box 54		
CITY Kiowa STATE ks	ZIP 67070	
AUTHORIZED BY: (Please Print)	ORDER NO.	
STAGE NO.	JOB CODE 0100	WORKING DEPTH 631 FT
TOTAL PREV. GALS.	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input checked="" type="checkbox"/>	
TOTAL MEAS. DEPTH FT.	SIZE HOLE 12 1/2	DEPTH 640 FT
AVG. PSI.	SIZE & WT. CASING 8 5/8 23	DEPTH 632 FT
MAX. PSI.	SIZE & WT. DRILL PIPE OR TUBING	DEPTH
	PACKER DEPTH	FLUID PUMPED

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
APR 30 1991
CONSERVATION DIVISION
Wichita, Kansas

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
011	11011003016	1	501 to 1000	630.00	E	630 00
	11011091005	45	Pump truck Mileage	2.35	E	105 75
	1104105014	1674	Class A	5.50	S	918 50
	1104150118	28	Fly ash	2.91	S	60 93
	1104201145	1338	BJ G-1	.14	L	47 40
	110415049	13220	A-7P	.46	L	240 12
	110409600	1	Centralizer 8 5/8	60.00	E	60 00
	110409600	2	Basket 8 5/8	198.00	E	396 00
		1	Baffle Plate	99.25	E	
	110880001	4203	Handling & Pumping	1.10	C	4223 150

SERVICE REPRESENTATIVE: Mat E. Wolf THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

JOB NUMBER	CONTRACT NUMBER	DATE	DISTRICT NAME
	136438	2-1-91	Med. Lodge, Mo.

CUSTOMER NAME AND ADDRESS	DIRECT SHIPMENT FROM
Waltz Oil Co. R.R. 2 BOX 54 KIOWA KS 67070	VENDOR NAME Medicine Lodge, Mo. Lak. City Rd

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1		FRONT CAN				
2						
3	410504	Class A	Q	250		
4	415009	APP	L	709		
5						
6						
7						
8						
9						
10						
11		REAR CAN				
12	410504	Class A	Q	179		
13	415018	Fly Ash	Q	96		
14	415049	APP	L	717		
15	420145	B I Mtl	L	1435		
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

RECEIVED
STATE CORPORATION COMMISSION
APR 30 1991
CONSERVATION DIVISION
Wichita, Kansas

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: <u>J. Kelley</u> PRINTED	CUSTOMER: <u>[Signature]</u> SIGNATURE
	SIGNATURE: <u>May E. Wolf</u>	DATE: <u>2-2-91</u>



P.O. Box 4442
Houston, Tx. 77210

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

DATE 2/12/91 SERVICE CONTRACT NO. **636536**

CUSTOMER ACCOUNT NO.	DIST NAME <u>MED 1006E</u>	NEW WELLS <input checked="" type="checkbox"/> GLD WELLS <input type="checkbox"/>	WELL TYPE <u>0</u>	JOB NUMBER <u>500915</u>
CUSTOMER <u>MOLZ OIL Co.</u>	DIST NUMBER <u>534</u>	WELL NO. <u>1-A</u>	LEASE NAME & FEDERAL OFFSHORE LEASE NO. <u>LAULINE</u>	
ADDRESS <u>RURAL ROUTE 2, Box SH</u>	COUNTY/PARISH <u>COMANCHE</u>	CODE	STATE <u>KS</u>	CODE
CITY <u>IOWA</u> STATE <u>KANSAS</u> ZIP <u>67070</u>	FIELD NAME	WELL COWNER <u>MOLZ OIL Co.</u>		CITY CODE
AUTHORIZED BY: <u>RON MOLZ</u> (Please Print)	ORDER NO.	PUMPING EQUIPMENT		DATE
STAGE NO.	JOB CODE <u>0106 - CEMENT</u>	WORKING DEPTH <u>5220</u> FT	TRUCK CALLED	<u>7:30 P</u> <u>02/19/91</u>
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input checked="" type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	ARRIVED AT JOB	<u>3:00 A</u> <u>02/29/91</u>	
TOTAL MEAS. DEPTH FT.	SIZE HOLE <u>7 7/8"</u> DEPTH <u>5220</u> FT	START OPERATION	<u>7:00 A</u> <u>02/29/91</u>	
AVG. PSI. <u>1100</u> MAX. PSI.	SIZE & WT. CASING <u>4 1/2" 10.5"</u> DEPTH <u>5220</u> FT	FINISH OPERATION	<u>7:30 A</u> <u>02/29/91</u>	
MAX. BPM <u>17.4</u>	SIZE & WT. DRILL PIPE OR TUBING	TIME RELEASED	<u>8:30 A</u>	
S/S EMPLOYEE NUMBER <u>6664SH</u>	PACKER DEPTH	MILES FROM STATION TO WELL <u>45</u>	SALESMAN NUMBER	
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT				

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
APR 20 1991
CONSENT OF THE COMMISSION
Wichita, Kansas

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 01 SIGNED [Signature] (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
10100333	1	5,001' - 5,500' PUMP (ADUGE)	1325.00	E	1325.00
10109005	45	MILEAGE, ONE WAY	2.35	E	105.75
10410504	135	CLASS A	5.50	Q	742.50
10415033	375	A-S	.11	L	96.25
10380001	143	MIXING SERVICE	1.10	Q	162.80
10940101	306	DRAYAGE 6.8 X 45	.75	F	229.50
10430608	1	4 1/2" TOP PLUG	45.00	E	45.00
10409600	1	4 1/2" BUZZ SHOE - W	109.00	F	109.00
10409600	1	4 1/2" AFL INSERT - W	168.00	F	168.00
10409600	6	4 1/2" CENTRIFUGERS - W	43.55	E	261.30

SERVICE REPRESENTATIVE KEVIN PRUBAWT THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

JOB NUMBER 500915	CONTRACT NUMBER 636536	DATE 2-11-91	ORIGINAL	DISTRICT NAME Med. Lodge, Ks.
CUSTOMER NAME AND ADDRESS MOLT OIL Co R.R. #2, Box 54 KIOWA, KANSAS 67070			DIRECT SHIPMENT FROM VENDOR NAME	

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	L10501	class A	Q	125		0
2	L15038	AS sheet	L	875		0
3	430603	4 1/2" TOP PLUG	F	1		0
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

RECEIVED
STATE CORPORATION COMMISSION
APR 20 1991
CLERK OF COURSE DIVISION
Wichita, Kansas

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: J. Kelley <small>PRINTED</small> Kevin Curry <small>SIGNATURE</small>	CUSTOMER: X <small>SIGNATURE</small>	DATE: 2/12/91
--	---	--	----------------------



P.O. Box 4442
Houston, Texas 77210

CEMENTING LOG

STAGE NO. _____

ORIGINAL

Date 2/12/91 District NEW LOOSE Ticket No. 636936
 Company MOLE OIL CO. Rig ALLEN #1
 Lease PAULINE Well No. H-1
 County COMANCHE State KANSAS
 Location 13-315-19W Field _____
COLDWATER SW, #1

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2" Type USEN Weight 10.5# Collar STC

CEMENT DATA:
 Spacer Type: 10 RPLS SALT FLUSH
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 TAIL: Pump Time _____ hrs. Type CLASS A
10% A-5 Excess _____
 Amt. 1.25 Sks Yield 1.23 ft³/sk Density 16.1 PPG _____
 WATER: Lead _____ gals/sk Tail 5.2 gals/sk Total 16.75 Bbls.

BURST - 4790' -> NEW
COLLAPSE - 4010' ->
 Casing Depths: Top NB Bottom 5220
13 3/8" GL - 230'
8 3/8" GL - 632'

Pump Trucks Used 2902-6481 MAX BULL
 Bulk Equip. 2903-6483 JUSTIN HART

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH
 Open Hole: Size 7 7/8" T.D. 5220 ft. P.B. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0159 Lin. ft./Bbl. 62.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.64
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer WEATHERFORD
 Shoe: Type CEMENT Depth 5220
 Float: Type AFU FLAPPER Depth 5176
 Centralizers: Quantity 6 Plugs Top RUBBER Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type FRESH H₂O Amt. 85 1/2 Bbls. Weight 8.30 PPG _____
 Mud Type CHEMICAL Weight 9.2 PPG _____

COMPANY REPRESENTATIVE RON WOLZ

CEMENTER KEVIN BUNDMANT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
3:00				RECEIVED		ON LOCATION, SET UP JOB + SAFETY PROCEDURE RUN 4 1/2" CASING + GRADUATE TO BOTTOM REG UP TO CEMENT PUMP START SALT FLUSH SALT FLUSH IN - START CEMENT PSI DROP CEMENT IN - STOP PUMPS CHANGE VALVES - FLUSH PUMP + LEAD CHANGE VALVES - RELEASE PLUG START DISPLACEMENT INCREASE RATE FLUSH @ SHOE CEMENT @ SHOE - SLOW RATE GRADUAL PSI INC SLOW RATE BUMP PLUG + HOLD PSI RELEASE PSI + FLOAT HELD!
				STATE OF KANSAS CONSERVATION COMMISSION APR 20 1991 WICHITA KANSAS		
7:00	500				5	
	750		10	10	5	
	575		25	15	7 1/2	
	575		39 1/2	14 1/2	7 1/2	
	200				2	
	200		41 1/2	2	6	
	200		85	43 1/2	6	
	100		95	10	4	
	575		114	19	4	
	500		121 1/2	7 1/2	3	
7:30	1100		124 1/2	3	3	