

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: \_\_\_\_\_  
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  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, MSW, Expt, Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
5/8/91 5/14/91 7/1/91  
Spud Date Date Reached TD Completion Date

API NO. 15- 077-21,241 ORIGINAL  
County Harper  
-NW-NW Sec. 2 Twp. 31 Rge. 7 XX  
660 Feet from S (N) (circle one) Line of Section  
660 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 Cheatum Well # 1  
Field Name WC  
Producing Formation Mississippi  
Elevation: Ground 1571 KB 1576  
Total Depth 4460 PBTB \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 437 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3165 Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
Drilling Fluid Management Plan ATI  
(Data must be collected from the Reserve Pit)  
Chloride content 8000 ppm Fluid volume 3420 bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name Rains & Willianson Oil Co.  
Lease Name Joslin License No. 5146  
NE NW Quarter Sec. 1 Twp. 31 S Rng. 7 W  
County Harper Docket No. D12,513  
(78,429-C)

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 \_\_\_\_\_  
Title President Date 9/24/91  
Subscribed and sworn to before me this 24 day of September, 19 91.  
Notary Public B. Ann Leader  
Date Commission Expires 4-12-93

**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  Geologist Report Received  
Distribution  
 SWD/Rep  NGPA  
 Plug  Other (Specify)

Operator Name Molz Oil Company Lease Name Cheatum Well # 1  
 Sec. 2 Twp. 31 Rge. 7  East County Harper  
 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	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHMENT		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:				

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface (NEW)	10 3/4	8 5/8	24#	437	common fly ash	290	2%gel 10%salt
Production	7 7/8	5.5	17#	4460	common	275	2%gel 10%salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	2733-35	common	75	common
<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	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4	4339-45	Acid 1200 gal. 15% Cleanup 4339-45

TUBING RECORD 140jts	Size 2 3/8	Set At 4400.98	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 5	Gas Mcf 25,000	Water Bbls. 100	Gas-Oil Ratio 35

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

ATTACHED TO ACO-1 for

MOLZ OIL CO.  
 CHEATUM #1  
 Sec. 2-31-7W  
 Harper, Co.

## FORMATION DESCRIPTION by LOG

NAME	TOP	Bottom
HOWARD	2730	2740
ELGIN	3079	3091
HEEBNER	3286	3290
DOUGLAS SH.	3377	3607
STALNAKER	3607	3788
KANSAS CITY	3788	4048
SWOPE	3932	3964
MARMATON LS.	4084	4230
MISSISSIPPI	4338	4455 (TD)

DST #1 4343-4360 Rec. 819' GIP, 60' G&OCM, & 40' G&OC WTRY MUD.  
 IF 53/53-30", ISIP 963#-60", FF 86/86-60",  
 FSIP 910#-60", IH 2187#, FH 2134#.

DST #2 3926-3956 (Strad.)  
 Rec. 95' Drilling mud, 60' mud cut salt water,  
 270' Salt Water.  
 IF 65/75-30", ISIP 1530#-45", FF 105#??-60",  
 FSIP 200#??-60", IH 2040#, FH 2030#.

RECEIVED  
 STATE OIL AND GAS COMMISSION

SEP 25 1991

9-25-91

STATE OIL AND GAS COMMISSION



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

*Squeeze job*

STAGE NO.

ORIGINAL 35

Date 6-10-91 District Med. Loose Ticket No. 648631  
Company Moltz Oil Co Rig CLARK WELL  
Lease CHEATUM Well No. 1  
County HARPER State KANS  
Location DUGUEON 1 1/2 - 3/5 Field \_\_\_\_\_

CEMENT DATA:

Spacer Type: \_\_\_\_\_  
Amt \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

CASING DATA PTA  Squeeze   
Surface  Intermediate  Production  Liner   
Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs Type CLASS A +  
3/10 of 1 1/2 FL-20 Excess \_\_\_\_\_

Amt 25 Sks Yield 1.17 ft<sup>3</sup>/sk Density 15.5 PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs Type CLASS A  
NEAT Excess \_\_\_\_\_

Amt 50 Sks Yield 1.17 ft<sup>3</sup>/sk Density 15.5 PPG \_\_\_\_\_

WATER Lead 5.2 gals/sk Tail 5.2 gals sk Total 9 Bbl \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom \_\_\_\_\_

Pump Trucks Used BJ 1492 LD

Bulk Equip BSU 2909 - BSU 5416 CB

Drill Pipe Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_

Float Equip Manufacturer \_\_\_\_\_

Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft

Shoe Type \_\_\_\_\_ Depth \_\_\_\_\_

CAPACITY FACTORS

Casing 5 1/2 Bbls/Lin ft. .0232 Lin ft/Bbl 43.01

Float Type \_\_\_\_\_ Depth \_\_\_\_\_

Open Holes Bbls/Lin ft. \_\_\_\_\_ Lin ft/Bbl \_\_\_\_\_

Centralizers Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm \_\_\_\_\_

Drill Pipe Bbls/Lin ft. \_\_\_\_\_ Lin ft/Bbl \_\_\_\_\_

Stage Collars \_\_\_\_\_

Annulus 2 3/8 x 5 1/2 Bbls/Lin ft. .0178 Lin ft/Bbl 56.28

Special Equip \_\_\_\_\_

Tub 2 3/8 Bbls/Lin ft. .00387 Lin ft/Bbl 258.6

Disp Fluid Type LEASE H<sub>2</sub>O Amt \_\_\_\_\_ Bbls Weight 9.0 PPG \_\_\_\_\_

Perforations From \_\_\_\_\_ ft. to \_\_\_\_\_ ft Amt \_\_\_\_\_ Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG \_\_\_\_\_

STATE RECEIVED

COMPANY REPRESENTATIVE Ken Moltz

9-25 SEP 25 1991 CEMENTATION NEAL Rupp

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
8:50			500		2.5	Job Safety Procedure
		800	500			LOAD & TEST ANN.
8:55						SHUT IN - BLEED PSI
9:00						TUBING - INJECTION TEST
9:05						WAIT ON H <sub>2</sub> O
9:20	600	500			3	COARSE PUMPS OF SALT H <sub>2</sub> O
9:25	300	500	12.5	12.5	3	TUBING START SLURRY
9:28						CEMENT @ PERIS
						SHUT DOWN - SHUT TUB IN
						WASH OUT PUMPS & LINES
9:28	0	500			1	OPEN TUB START DISP
	50		9 1/2	4 1/2	1	PSI INC
9:39	400		10 1/2	6		TUB CLEARED SHUT DOWN
9:44	0	500			.5	PUMP
9:45	400		11	1.5		SHUT DOWN
9:55	0				.25	PUMP
9:58	400	500	11.5	1.5		SHUT DOWN
10:15	0				.25	PUMP
10:16	125	500	11.75	.25		SHUT DOWN
10:30	25				.25	PUMP
10:33	700	500	12	.25		SHUT DOWN
10:47	285					PUMP PSI UP
10:48	1000	500				SHUT DOWN
10:55	875					PUMP PSI UP
	1500					SQUEEZED
	300 #			15	2	RELEASE PSI - REV - OUT
11:05						FULL TWO JTS

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs THANK YOU

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

Note: Must accompany job ticket.



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

STAGE NO.

long string  
**ORIGINAL**

Date 8/15/91 District Wear Lodge Ticket No 648535  
 Company Molz Oil Co. Rig ALLEN #2  
 Lease CHEATUM Well No. 1  
 County HARPER State KANSAS  
 Location DUGUONEN 1/2 E, S/5 Field WILLUCAT

CASING DATA PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5 1/2" Type USED Weight 12.5# Collar ST-6 BRD

Quest - 4810' NEW VALVES  
 COLLAPSE - 4040'  
 Casing Depths Top RG Bottom 4453

Drill Pipe Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole Size 7 7/8" T.D. 4453 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS  
 Casing Bbls/Lin. ft. .0233 Lin. ft./Bbl. 42.01  
 Open Holes Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.59  
 Drill Pipe Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.4  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: 10 BBLs SALT FLUSH  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
10% A-5 Excess \_\_\_\_\_

Amt. 125 Sks Yield 1.23 ft<sup>3</sup>/sk Density 15.6 PPG \_\_\_\_\_

WATER: Lead \_\_\_\_\_ gals/sk Tail 2 gals/sk Total 15 1/2 Bbls

Pump Trucks Used 2902-6481 Max Ball

Bulk Equip 2906-6485 JUSTIN HART

Float Equip: Manufacturer WEATHER FORD

Shoe Type F1007 Depth 4453'

Float Type BAFFLE Depth 4416'

Centralizers Quantity 9 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars DV @ 3170'

Special Equip 1-BASKET

Disp. Fluid Type H<sub>2</sub>O Amt. 59 1/2 Bbls Weight 93 PPG \_\_\_\_\_

Mud Type CHEMICAL Weight \_\_\_\_\_ PPG \_\_\_\_\_

COMPANY REPRESENTATIVE Ken Molz

CEMENTER KEVIN PRUNGDANT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls. Min	
6:30						ON LOCATION, RIG UP JOB SAFETY MEETING
						SEP 25 1991 9-25-91 RUN 5 1/2" CASING TO BOTTOM RIG UP TO CASING + CIRCULATE RIG UP TO CEMENT PUMP
12:45	500				5	START SALT FLUSH
	700		10	10	6.3	SALT FLUSH IN - START CEMENT
	600		23	13	6.3	GRADUAL PSI DROP
	450		37	14	6.3	CEMENT IN - STOP PUMPS CHANGE VALVES - FLUSH PUMP + LINES CHANGE VALVES - RELEASE PLUG
	200				2	START H <sub>2</sub> O DISPLACEMENT
	250		39	2	6	INCREASE RATE
	250		67	28	6	H <sub>2</sub> O IN - START 1/10
	50		107	40	3	PLUG @ DV TOOL - SLOW RATE - FLUSH @
	100		117	10	4	CEMENT @ SHOE - INCREASE RATE
	400		131	14	4	GRADUAL PSI INCREASE
	300		146 1/2	15 1/2	4	EUMP PLUG
1:20	-					RELEASE PSI + FLOAT HOLDS!
1:25						DROP OPENING PLUG
					1.8	START PUMP
	600				1.8	PSI INCREASE
1:45	600				2.5	TOOL OPENS - INCREASE RATE RIG UP TO CIRCULATE

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 300 PSI BLEEDBACK 1/4 BBLS  
 Form No. SR 0502 (Rev. 3/90)  
 Note: Must accompany job ticket.

THANK YOU



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

Surface pipe

STAGE NO.

Date 5-7-91 District Midway Ks Ticket No 698607  
 Company MOLZOLL CO Rig ALLEN #2  
 Lease CHEATUM Well No 1  
 County HAIRP State KANSAS  
 Location DUGGON 34E-5/S Field \_\_\_\_\_

CEMENT DATA

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 LEAD: Pump Time \_\_\_\_\_ hrs. Type 90:60:2  
32A7P Excess \_\_\_\_\_  
 Amt. 290 Sks Yield 1.24 ft<sup>3</sup>/sk Density 14.8 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead 5.6 gals/sk Tail \_\_\_\_\_ gals/sk Total 38.5 Bbls

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type NEW Weight 24 Collar \_\_\_\_\_

Pump Trucks Used BJ 1492  
 Bulk Equip BSU 290B - BSU 6483

Casing Depths. Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T D \_\_\_\_\_ ft P.B. to \_\_\_\_\_ ft

CAPACITY FACTORS:

Casing Bbls/Lin ft .0637 Lin ft Bbl 15.7  
 Open Holes Bbls/Lin ft \_\_\_\_\_ Lin ft Bbl \_\_\_\_\_  
 Drill Pipe Bbls/Lin ft \_\_\_\_\_ Lin ft Bbl \_\_\_\_\_  
 Annulus Bbls/Lin ft \_\_\_\_\_ Lin ft Bbl \_\_\_\_\_  
 Bbls/Lin ft \_\_\_\_\_ Lin ft Bbl \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt \_\_\_\_\_

Floater Equip: Manufacturer INDUSTRIAL RUBBER  
 Shoe Type OPEN END Depth 437 FT  
 Floater Type 20' CEMENT IN PIPE Depth 417 FT  
 Centralizers Quantity \_\_\_\_\_ Plugs Top  Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip \_\_\_\_\_  
 Disp. Fluid Type FRESH H<sub>2</sub>O Amt 26.75 Bbls. Weight 8.3 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE MIKE CEMENTER NEAL RUPP

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
7:00		150				Job Safety Procedure Ran 8 5/8 TO 137 FT Rig up CEMENT HEAD TO CASING & Rig Pump - BREAK CIRCULATION - CIRCULATE Rig up Discharge TO Pump TRK START SLURRY Shut Down - Drop Plug START DISP. CEMENT @ SURFACE Plug Down - SHUT IN BLEED PSI - Job COMPLETE  RECEIVED STATE COMMISSION CIRCULATED Apx. 90 SX  SEP 25 1991 9-25-91
7:15						
7:16		300			7	
7:25			64	64		
7:26		100			4.5	
		150			1.8	
7:30		150		26.75	8.75	
7:33						

FINAL DISP. PRESS: 150 PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK SHUT IN BBLs

Form No. SR 0502 (Rev. 3/90)  
 Note: Must accompany job ticket.

THANK YOU NR