

ORIGINAL

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

Operator: License # 31297  
Name: James B. Read Operating, Inc.  
Address: P.O. Box 638  
Range Line Corporation  
City/State/Zip: Ardmore, OK 73402  
Purchaser: Range Line Corporation  
Operator Contact Person: James B. Read  
Phone ( 405 ) 226-0055  
Contractor: Name: Duke Drilling Co., Inc.  
License: 5929  
Wellsite Geologist: Steve Miller  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., 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  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
08-30-94 09-08-94 10-14-94  
Spud Date Date Reached TD Completion Date

API No. 15- 007-22,451-00-00  
County Barber  
C SE Sec. 30 Twp. 34 Rge. 13  E  
1320 Feet from S (circle one) Line of Section  
1320 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE.  NW or SW (circle one)  
Lease Name Sutton Estate Well # 2  
Field Name Aetna  
Producing Formation Mississippi  
Elevation: Ground 1678 KB 1687  
Total Depth 5100 PBSD 5070  
Amount of Surface Pipe Set and Cemented at 361 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.

Drilling Fluid Management Plan ALT 1 J 94 5-2-95  
(Data must be collected from the Reserve Pit)  
Chloride content 12,000 ppm Fluid volume 1,000 bbls  
Dewatering method used evaporation and hauled  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name Molz Oil Co  
Lease Name Molz License No. 6006  
SW Quarter Sec. 6 Twp. 34 S Rng. 11 E/W  
County Barber Docket No. D-19146

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: [Signature]  
Title President Date 10/27/94  
Subscribed and sworn to before me this 27th day of October  
19 94  
Notary Public: [Signature]  
Date Commission Expires June 6, 1998

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)

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 31 1994

91

James B. Read Operating, Inc.

SIDE TWO

Operator Name James B. Read Operating, Inc. Lease Name Sutton Estate Well # 2

Sec. 30 Twp. 34 Rge. 13  East  West  
 County Barber

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	<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	Heebner Shale	4023	-2336
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Douglas Shale	4124	-2437
		Lansing	4211	-2524
		Swope Lime	4660	-2973
		Mississippi	4817	-3130
		TD	5100	

List All E. Logs Run:  
 Compensated Neutron/Compensated Density  
 Micro Resistivity Log  
 Sonic Log  
 Induction Electric Log

CASING RECORD <input type="checkbox"/> New <input 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	14-3/4"	10-3/4"	75#	361'	65/35 poz Class A	150	6% gel 3% cc 2% cel 3% cc
Production	7-7/8"	4 1/2"	10 5/8#	5091'	ACS	175	6% gypseal, 5 1/2% salt 1% gel, 5#/sk kelsea 2#/sk Floseal

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives	
<input type="checkbox"/> Perforate					
<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	Depth
2	4818 to 4834	6 bbls 10% acetic	4818-34
		1500 gal 15% HCS acid	4818-34
		53,000 gal 40# X-Link, 80,000# 12/20 sand	4818-34

TUBING RECORD	Size	Set At	Packer At	Liner Run.
	2-3/8	4884	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
10/14/94	<input checked="" type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping water <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gas Gravity
	0	450	50		.646

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 4818-4834

Phone 913-483-2627, Russell, KS  
 Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS  
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS  
 Phone 913-798-3843, Ness City, KS

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

0006467  
 ORIGINAL

NEW

Date	8/31/94	Sec.	30	Twp.	34S	Range	13W	Called Out	10:30 AM	On Location	11:30 AM	Job Start	3:15 PM	Finish	4:00 AM	
Lease	Sutton Estate	Well No.	2	Location	Harmony 6W 2N 40 NIS				County	Barber	State	KS				
Contractor	Mike Drilling Rig #5															
Type Job	Cmt 10 3/4 surface csg															
Hole Size	14 3/4	T.D.	361													
Csg.	10 3/4	32.75"	Depth	361												
Tbg. Size															Depth	
Drill Pipe															Depth	
Tool															Depth	
Cement Left in Csg.	PS	Shoe Joint	15													
Press Max.	200	Minimum	50													
Meas Line															Displace	35
Perf.																

Owner Same

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To JBR Operating Inc

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X Casey Costs

## EQUIPMENT

Pumptrk	No. 237	Cementer	Max Hall
		Helper	Justin Hart
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	227	Driver	John Keltay
Bulktrk		Driver	

### CEMENT

Amount 150 sks 6 5/8 + 6 7/8 + 1 3/4 ccs  
 Ordered 100 sks Class H + 29 gal + 1 3/4 ccs

Consisting of

Common	
Poz. Mix	
Gel	
Chloride	
Quickset	
Sales Tax	
Handling	
Mileage	
Sub-Total	
Total	

Floating Equipment:

### DEPTH of Job

Reference:	361 FT Pump Charge	
	30 Mi Mileage	
	1 Fo 10 3/4 wooden Plug	
	Sub Total	
	Tax	
	Total	

Remarks: Cmt 10 3/4 surface csg with  
 150 sks 6 5/8 + 6 7/8 + 1 3/4 ccs + 100 sks  
 Class H + 29 gal + 1 3/4 ccs Drop Plug  
 Displace 35 KBL Class H Head  
 Cement Did Circulate

NOV 10 1994

ORIGINAL

Date 8/31/94 District Middle Ticket No. 6467  
 Company JBR Operating Inc Rig Duke #5  
 Lease SUTTON ESTATE Well No. 2  
 County Marion State KS  
 Location 30-34s-13w Field \_\_\_\_\_  
HARTMAN 6W 2N 4W N15

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 10 1/2 Type \_\_\_\_\_ Weight 32.75 Collar \_\_\_\_\_

Casing Depths: Top 0 Bottom 361

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 14 1/2 TD 361 ft. P.B. to \_\_\_\_\_ ft

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 1.009 Lin. ft./Bbl. 9.9099  
 Open Holes: Bbls/Lin. ft. 1.213 Lin. ft./Bbl. 4.7316  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 1.0991 Lin. ft./Bbl. 10.0923  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: Flush H<sub>2</sub>O  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 65'35' 6.9 gal  
3% coal Excess \_\_\_\_\_  
 Amt. 150 Skys Yield 1.97 ft<sup>3</sup>/sk Density 12.4 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type Class A + 2% coal  
3% coal Excess \_\_\_\_\_  
 Amt. 100 Skys Yield 1.74 ft<sup>3</sup>/sk Density 15.2 PPG

WATER: Lead 10.9 gals/sk Tail 6.5 gals/sk Total 43 Bbls.

Pump Trucks Used 237 Justin Hart  
 Bulk Equip. 227 John Kelley

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top Wood Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type H<sub>2</sub>O Amt. 35 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Cosy Coats CEMENTER Max Ball

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
11:30						ON LOC Rig up	
3:15		150			5	3.5	Keep H <sub>2</sub> O H <sub>2</sub> O
3:18		150			53	3.5	Mix Lead Cont. 150 gals 65'35' 6.9 gal
3:33		200			24	3.5	Mix Tail Cont. 100 gals Class A + 2% coal 3% coal
3:40							on tail of shut down prep plug
3:42		50			3.5	3.5	Start Displacement
3:51		150					plug displaced shut down class a
							H <sub>2</sub> O circulated 35 BBL cont to mix

Phone 913-483-2627, Russell, KS  
Phone 316-793-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS  
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS  
Phone 913-798-3843, Ness City, KS

# ALLIED CEMENTING CO., INC. 0006472

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

New

Date	9/8/94	Sec.	30	Twp.	34s	Range	13W	Called Out	3:00 AM	On Location	6:30 AM	Job Start	1:00 PM	Finish	
Lease	Sutton Estate			Well No.	2			Location	Hardtner 6W 2N 4W N1/4			County	Barber		
State	KS														
Contractor	Duke Drilling Rig # 5														
Owner	Same														
Type Job	Cmt 4 1/2 Prod. Csg														
Hole Size	7 7/8							T.D.	5100						
Csg.	4 1/2 10.5"							Depth	5091						
Tbg. Size								Depth							
Drill Pipe								Depth							
Tool								Depth							
Cement Left in Csg.	15							Shoe Joint	15						
Press Max.	1750							Minimum	100						
Meas Line								Displace	80.7						
Perf.															

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To JBR Operating

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. \_\_\_\_\_

Casey Coats

**EQUIPMENT**

No.	Cementer	Max Hall
Pumptrk 234	Helper	Justin Hart
No.	Cementer	
Pumptrk	Helper	
257	Driver	John Kelley
Bulktrk	Driver	

**CEMENT**

Amount 25 SKS 60/40 C29-1  
Ordered 175 SKS A.S.C + 5" Nol Seal 4 1/2 Flt Seal  
500 gal Mud Clean

Consisting of

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	
Handling	
Mileage	
Sub Total	
Total	

**DEPTH of Job**

Reference:	5091	Pump Charge	
	30 Illi	All Leage	
	150	4 1/2 Rubber Plug	
		Sub Total	
		Tax	
		Total	

Remarks: Cmt 4 1/2 Prod. Csg with 175 SKS A.S.C  
5" Nol Seal 4 1/2 Flt Seal w/ backup Pump  
Lower Prod Plug Displace 50.7 GAL  
Land Plug Fleet Held

- Floating Equipment**
- 1- 4 1/2 Guide shoe
  - 1- 4 1/2 APU Insert
  - 2- 4 1/2 Cement Baskets
  - 5- 4 1/2 Cent Ralizers
  - 1- Thread Lock



# CEMENTING LOG

STAGE NO.

## ORIGINAL

Date 8/18/71 District Mid. Va. Ticket No. 6472  
 Company J.B.R. operating Rig Duker #5  
 Lease Sutton Estate Well No. 2  
 County Roanoke State VA  
 Location 30-345-13W Field \_\_\_\_\_  
Hardrock 6W 2N 4W N1S

CASING DATA PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 4 1/2 Type \_\_\_\_\_ Weight 10.5 Collar \_\_\_\_\_

Casing Depths: Top 0 Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 1/4 T.D. 5100 ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 101.59 Lin. ft./Bbl. 62,697  
 Open Holes: Bbls/Lin. ft. 2602 Lin. ft./Bbl. 16,599  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 2406 Lin. ft./Bbl. 24,647  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA: Spacer Type: Mud Clean  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60, 40, 60, 0, 0, 1  
 Excess \_\_\_\_\_  
 Amt. 25 Skys Yield 1.58 ft<sup>3</sup>/sk Density 13.5 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type ASC 15 1/2 1-5/8  
4 1/2 Flo-seal Excess \_\_\_\_\_  
 Amt. 175 Skys Yield 1.57 ft<sup>3</sup>/sk Density 14.5 PPG  
 WATER: Lead 7.8 gals/sk Tail 7.23 gals/sk Total 35 Bbls.

Pump Trucks Used 233-234 JUSTIN HAY  
 Bulk Equip. 257-252 JOHANNES

Float Equip: Manufacturer Baker  
 Shoe: Type Guided Shoe Depth 5091  
 Float: Type AFU 2500 Depth 5076  
 Centralizers: Quantity 5 Plugs Top Rubber Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 2 cement baskets  
 Disp. Fluid Type H2O Amt. 50.7 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Cassidy Coats

CEMENTER Max Mann

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
6:30						on loc Rig up	
1:17		300			12	5	Pump Mud Clean
1:24		200			3	3	plug Mouse Hole leads to 1/4" hole
1:27		200			4	3	plug Rat Hole 15 sks 60' 1/4" hole
1:30		350			49	5	Mix 175 sks ASC + 5" Flo-seal 4 1/2" Flo-seal
1:42							cut mixed shot down backing 1/2" 1/2" LMS
1:44		150			50	6	Drop Plug
1:52		200			25	4	Start Displacement
1:57		100			5.7	2	Slow Rate Lifting Cement
2:03		17.50					Slow Rate
							Land Plug Float Head

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