

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

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

007-22,429-00-00

API NO. 15- _____
County Barber

C S 1/2 NW SE NE _____ Sec. 31 Twp. 34 Rge. 13 X E W

Operator: License # 31297

1815 Feet from S (N) (circle one) Line of Section

Name: James B. Read Operating, Inc.

990 Feet from (E)W (circle one) Line of Section

Address P.O. Box 638

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

City/State/Zip Ardmore, OK 73402

Lease Name Nighswonger Well # 1-31A

Purchaser: KP&L (Rangeline)

Field Name Aetna

Operator Contact Person: James B. Read

Producing Formation Mississippian

Phone (405) 226-0055

Elevation: Ground 1663 KB 1672

Contractor: Name: Duke Drilling Co., Inc.

Total Depth 5350' PBDT 5274'

License: 5929

Amount of Surface Pipe Set and Cemented at 370 Feet

Wellsite Geologist: Steve Miller

Multiple Stage Cementing Collar Used? _____ Yes X No

Lawrence, KS 913/842-8404

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover _____

If yes, show depth set _____ Feet

_____ Oil _____ SWD _____ SLOW _____ Temp. Abd.

If Alternate II completion, cement circulated from _____

X Gas _____ ENHR _____ SIGW _____

feet depth to _____ w/ _____ sx cmt.

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc.) _____

Drilling Fluid Management Plan ALT 1 JH 6-23-94
(Data must be collected from the Reserve Pft)

If Workover/Re-Entry: old well info as follows:

Chloride content _____ ppm Fluid volume _____ bbls

Operator: _____

Dewatering method used _____

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

_____ Plug Back _____ PBDT

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) Docket No. _____

Operator Name _____

12-30-93 01-09-94 01-27-94

Lease Name _____ License No. _____

Spud Date Date Reached TD Completion Date

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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 2/15/94

Subscribed and sworn to before me this 24th day of FEBRUARY 19 94.

Notary Public [Signature]

Date Commission Expires 7-12-97

K.C.C. OFFICE USE ONLY

F _____ Letter of Confidentiality Attached

C ✓ Wireline Log Received

C _____ Geologist Report Received

RECEIVED

STATE CORPORATION COMMISSION

KCC _____ SWD/Rep _____ NGPA

KGS _____ Plug _____ Other _____ (Specify)

MAR 21 1994

CONSERVATION DIVISION
Wichita, Kansas Form ACO-1 (7-91)

Operator Name James B. Read Operating, inc. Lease Name Nighswonger Well # 1-31A

Sec. B7 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	4030	-2358
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Douglas Shale	4105	-2433
List All E.Logs Run:		Lansing	4218	-2546
FD-CNL	Micro Log	Stark Shale	4667	-2995
BHC/Sonic	Bond Log	Mississippian	4843	-3171
IEL		Kinderhook Shale	5150	-3478
		Viola Lime	5289	-3617

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used Surface Casing - 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"	32#	370'	60/40 poz	250	2% gel 3% cp.
Production	7-7/8"	4 1/2"	10.5#	5325'	ASC	200	

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
2 SPF	4845' to 4866', 21' - 42 shots	Acid - 1500 gal 15% HCS acid	Perforated Interval
		Frac Treatment (Serfco) 47,100	
		47,100 gal 40% X-link gel,	
		62,000# 12/20ssand, & flushed to top perf with	

TUBING RECORD	Size Set At	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	2-3/8	4818'RKB inc/SN&Anchor	none	
Date of First, Resumed Production, SWD or Inj.	Producing Method	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
First production-Gas sales 2/2/94				
Estimated Production Per 24 Hours	OIL Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
		370 MCFRD	23 BWPD	None
				Gravity None

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 _____

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

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. 3661
 Home Office P. O. Box 31
 Russell, Kansas 67665

New Well

Date	1-9-94	Sec.	31	Twp.	34	Range	33W	Called Out	1-8-94 10:45 PM	On Location	1-9-94 5:00 AM	Job Start	9:30	Finish	11:30
Lease	Highswanger	Well No.	1-31A	Location	HARDNER GW-1/2 N-W/5			County	BARBER	State	KANSAS				
Contractor	Duke Drilling Rig #5														
Type Job	PRODUCTION STRING														
Hole Size	7 7/8	T.D.	5350												
Csg.	4 1/2 10.5#	Depth	5325												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.		Shoe Joint	43'												
Press Max.		Minimum													
Meas Line		Displace	84.25												
Perf.															

Owner JAMES B. READ OPERATING INC.
 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 JAMES B. READ OPERATING INC.
 Street P.O. BOX 638
 City ARDMORE State OKLA. 73402

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

Purchase Order No.
 X Casey Boats

CEMENT
 Amount 500 GAL MUD CLEAN
 Ordered 25 SK 60/40 POZ 68 GEL
200 SK A.S.C. 5# Kol-SEAL 1/4" Flo-SEAL/SK

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Sales Tax

Handling	
Mileage	
Sub Total	
Total	

Floating Equipment

1-4 1/2 GUIDE SHOE
 1-4 1/2 A.F. RECEIVED
 STATE CORPORATION COMMISSION
 3-4 1/2 BASKETS
 6-4 1/2 CENTRALIZERS
 1PT. BAKER CONVEYANCE DIVISION
 WICHITA, KANSAS
 1-4 1/2 ROTATER

EQUIPMENT

Pumptrk	No.	Cementer	272	NEAL B.
		Helper		CARL B.
Pumptrk	No.	Cementer		
		Helper		
Bulktrk		Driver		JOHN K.
		Driver		

DEPTH of Job	5325
Reference:	
1	4 1/2 Top Rubber Plug
	Sub Total
	Tax
	Total

Remarks: RAN 4 1/2 10.5 CSG TO 4325 FT
Pump 500 GAL MUD CLEAN, Plug Mouse
Hole: KAT Hole w/ 25 SK 60/40 68 GEL
Mix: Pump 200 SK A.S.C. 5# Kol-SEAL + 1/4
Flo-SEAL-Disp Plug TO 5282 w/ 84 1/4 lbs
Fresh H²O - A.F.U. Held

before the



CEMENTING LOG

ORIGINAL

Date 1-9-94 District Merlodge Ticket No. 3061
 Company J. B. Reed Oper. Inc. Rig Duke #5
 Lease Neish Swonger Well No. 1-31A
 County Barber State KANS
 Location HARTM 6W-12N-W/S Field AZNS
31-34-33

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type NEW Weight 10.5 Collar LONG

Casing Depths: Top 200' 10 3/4 Bottom 5325-4 1/2

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5350 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. 24.6474
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: 500 GAL MUD CLEAN
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
255x 60/40 6 1/2 GRI For Mouse & Rat Hole

LEAD: Pump Time _____ hrs. Type A.S.C. 5#
KOL-SEAL/SK - 1/4# Fk-SEAL/SK Excess _____
 Amt. 200 Skys Yield 1.57 ft³/sk Density 14.5 PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 7.66 gals/sk Tail 7.8 gals/sk Total 41.0 Bbls.

Pump Trucks Used #266 Carl B.
 Bulk Equip. 259/251 John K.

Float Equip: Manufacturer BAKER
 Shoe: Type REGULAR Depth 5325
 Float: Type A.F.U. Depth 5282
 Centralizers: Quantity 6 Plugs Top Rubber Btm. _____
 Stage Collars ROTATING HEAD
 Special Equip. 2 BASKETS - BAKER-100 Compound
 Disp. Fluid Type FRESH H₂O Amt. 84.25 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE CASEY COATS

CEMENTER NEAL Rupp

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:45						ARRIVED ON LOC 5:00 PM / RIG UP
10:05	400					KAN 4 1/2 10.5# CSG TO 5325'
10:40	350		12.0	12.0	6.5	DROP BALL FOR A.F.U. Pump BALL THROUGH A.F.U. / Big Pump Ct ROTATE & ROTATE START FLUSH U/A CSG. ROTATE FLUSH IN SHUT DOWN Plug Mouse Hole & RAT HOLE
10:53	350		68.0	56.0	6.5	START LEAD SLURRY U/A CSG. ROTATE SLURRY IN SHUT DOWN Close WAIVE - OPEN WASH OUT WAIVE WASH OUT PUMP & LINES Close w/out WAIVE. RELEASE
10:55	150			2.1	2	Plug OPEN TOP WAIVE - START DISP
	300		16	14	6	OPEN BOTTOM WAIVE - INC RATE - ROTATE
	300		28	12	4	FLUSH @ SHOES
	500		65.5	37.5	4	Cement @ SHOES SLOW RATE
	650		80.0	14.5	3	START LEFT PSE
11:15	1400		84.25	4.25		SLOW RATE - FINAL DISP. PSE - STOP ROTATING Bump Plug
11:20	0					RELEASE PSE - A.F.U. Held

RECEIVED
STATE CORPORATION COMMISSION

MAR 21 1994

CONSERVATION DIVISION
Wichita, Kansas

FINAL DISP. PRESS: 650 PSI BUMP PLUG TO 1400 PSI BLEEDBACK 2 BBLs. THANK YOU NR

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

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. 3678

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date 12/30/93	Sec. 31	Twp. 34S	Range 13W	Called Out 6:30 PM	On Location 9:30 AM	Job Start 12:30 AM	Finish 1:30 AM
Lease High Swanger	Well No. 1-31H	Location Hardtner 6W 1/2 N W/S			County Barber	State KS	
Contractor Duke Drilling Rig #5				Owner Same			
Type Job 10" MI SURFACE CSG				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.			
Hole Size 14 3/4"	T.D. 373						
Csg. 10 3/4" 32.75'	Depth 370						
Tbg. Size	Depth						
Drill Pipe	Depth						
Tool	Depth						
Cement Left in Csg. 5	Shoe Joint 5						
Press Max. 150	Minimum 50						
Meas Line	Displace 36.5						
Perf.							

EQUIPMENT

Pumptrk	No. 205	Cementer	Max Hall
		Helper	Carl Holding
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	259	Driver	Kevin Hrongardt
		Driver	

DEPTH of Job

Reference:	370 FT Pump Charge	
	30 mi Mit Eage	
	1 Ea 10 3/4" Top Wood Plug	
		Sub Total
		Tax
		Total

Remarks: Cmt 10 3/4" Surface Csg with 150 sks
 65/35 69 gal 39 cacl² + 100 sks Class A +
 29 gal 3% cacl² Prop Plug Displace 36.500L
 Close in Head Cmt Did Circulate

Charge To J. B. R. Operating

Street _____

City _____ State _____

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

Purchase Order No. _____

Busy Counts

CEMENT

Amount 150 sks 65/35 69 gal 39 cacl²
 Ordered 100 sks Class A + 29 gal 3% cacl²

Consisting of

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

RECEIVED
 STATE CORPORATION COMMISSION
 MAR 21 1994
 CONSERVATION DIVISION
 Wichita, Kansas

