

**CONFIDENTIAL**

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

Operator: License # 5011

Name: Viking Resources, Inc.

Address: 105 S. Broadway, Ste 1040

City/State/Zip: Wichita, KS 67202-4224

Purchaser: NCRA

Operator Contact Person: Shawn Devlin

Phone: (316) 262-2502

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Scott Oatsdean  
Designate Type of Completion

**ORIGINAL**

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. \_\_\_\_\_

2/19/94 3/2/94 3/17/94  
Spud Date Date reached TD Completion Date

API NO. 15- 101-21,670 -00-00

County Lane

SW-SW-NW \_\_\_\_\_ Sec 8 Twp 16 Rge 27 X W

2970 Feet from S /N (circle one) Line of Section

4950 Feet from E /W (circle one) Line of Section

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

Lease Name J.R. Ewing Well # 1

Field Name unnamed

Producing Formation Kansas City

Elevation: Ground 2639 KB 2644

Total Depth 4560 PBSD 4560

Amount of Surface Pipe Set and Cemented at 231 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth se 2105 Feet

If Alternate II completion, cement circulated fro 2105

feet depth t surface w/ 287 sx cmt

Drilling Fluid Management Plan ALT 2 JH 7-19-94  
(Data must be collected from the Reserve Pit)

Chloride Contn 12000 ppm Fluid volum 1350 bbls

Dewatering method used Evaporate

Location of fluid disposal if hauled offsite:

**KCC**

Operator Name RELEASED APR 6

Lease Name MAY 24 1995 CONFIDENTIAL  
License No. \_\_\_\_\_

FROM CONFIDENTIAL  
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 Shawn P. Devlin

Title Vice President Date 4/6/94

Subscribed and sworn to before me this 6th day of April

19 94

Notary Public Kimberly D. Coss

Date Commission Expires 11-24-97

**KIMBERLY D. COSS**  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 11-24-97

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Geologist Report Received

**RECEIVED** Distribution

STATE CORPORATION COMMISSION

KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA

APR 08 1994 Plug \_\_\_\_\_ Other \_\_\_\_\_

04-08-1994

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

pi

CONFIDENTIAL

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name J.R. Ewing Well # 1  
Sec 8 Twp 16 Rge 27  East County Lane  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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
(Attach Additional Sheets.)  
Samples Sent to Geological Survey  Yes  No  
Cores taken  Yes  No  
Electric Log Run  Yes  No  
(Submit Copy)  
List All E. Logs Run:  
Dual Induction  
Compensated Neutron Density

<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
Name	Top	Datum
Heebner	3862	-1218
Lansing	3898	-1254
Stark	3660	-1508
BKC	4219	-1575
Marmaton	4240	-1596
Cherokee Sh	4430	-1786
Miss	4503	-1859

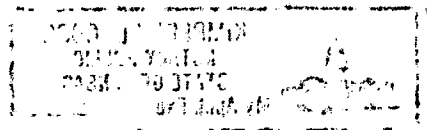
CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	20	231	60/40 Pozmix	150	3% cc 2% gel
Production	7 7/8	5 1/2	15.5	4558	Thixotropic	200	5% calseal 3/4% CFR3

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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)
4	4134-4138	500 gal 15% NE
4	4069-4073	0

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8	4140		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj		Producing Method			
3/18/94		<input type="checkbox"/> Flowing		<input checked="" type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Oil Per 24 Hours	Bbls	Gas	Mcf	Water	Bbls Gas-Oil Ratio Gravity
60		0		0	

Disposition of Gas  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp  Commingled  Other (Specify) \_\_\_\_\_  
METHOD OF COMPLETION \_\_\_\_\_  
Production Interval \_\_\_\_\_



DRILL STEM TEST RESULTS J.R. Ewing #1 SW-SW-NW Sec 8 T 16 R 27 W, Lane County, Kansas

DST #1 Interval 3979-3995 (E zone)  
Times 30-45-45-60  
IFP 41-41 FFP 72-72 ISIP 789 FSIP 849  
Recovery: Fair blow, 3-1/2" water, recovered 125' Muddy oil, 50% oil

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API# 15-101-21670

DST #2 Interval 4050-4080 (H zone)  
Times 30-45-45-60  
IFP 395-799 FFP 909-1070 ISIP 1130 FSIP 1150  
Recovery: Strong blow to BOB 45 seconds, gas to surface in 5" on 2nd open,  
Recovery: recovered 3050' CGO 38 Deg API

ORIGINAL

DST #3 Interval 4080-4120 (I zone)  
Times 30-45-45-60  
IFP 41-41 FFP 52-52 ISIP 1120 FSIP 1160  
Recovery: Fair blow to 3" in water, recovered 30' GIP, 60' OCM (25% oil)

DST #4 Interval 4120-4150 (J zone)  
Times 30-45-45-60  
IFP 52-72 FFP 124-166 ISIP 1110 FSIP 1120  
Recovery: Strong blow to BOB in 4", recovered 1360' GIP, 400' CGO 38 Deg API, 40' OCM (20% oil)

DST #5 Interval 4150-4180 (K zone)  
Times 30-45-45-60  
IFP 93-301 FFP 395-539 ISIP 1100 FSIP 1100  
Recovery: Strong blow to BOB in 2", recovered 2440 GIP, 300' CGO, 120' gassy water MCO  
Recovery: (50% G, 30% O, 10% W, 10% M) 60' gassy oil & MCW (40% G 10% O 25% W,  
Recovery: 15% M) 120' gassy oil & WCM (25% G, 5% O, 35% W, 35% M) 620' gassy water

DST #6 Interval 4180-4210 (L zone)  
Times 30-45-45-60  
IFP 72-291 FFP 322-478 ISIP 909 FSIP 889  
Recovery: Strong blow to BOB in 4", recovered 120' GIP  
Recovery: 540' gassy oil & MCW (5% G, 5% O, 60% W, 30% M) 680' gas cut water (95% W, 5% G)

DST #7 Interval 4380-4430  
Times 30-45-45-60  
IFP 31-41 FFP 52-52 ISIP 228 FSIP 769  
Recovery: 2-1/2" blow 1st open, 2nd open blow to BOB in 24"  
Recovery: Recovered 290' GIP, 15' mud 60' gassy OCM (25% G, 5% O 70% M)

KCC

APR 6

CONFIDENTIAL

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION

APR 08 1994

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

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

API NO. 15- 101-21,670-00-00

County Lane

SW-SW-NW \_\_\_\_\_ Sec 8 Twp 16 Rge 27 E  
XW

2970 Feet from S /N (circle one) Line of Section

4950 Feet from E /W (circle one) Line of Section

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

Lease Name J.R. Ewing Well # 1

Field Name unnamed

Producing Formation Kansas City

Elevation: Ground 2639 KB 2644

Total Depth 4560 PBTD 4560

Amount of Surface Pipe Set and Cemented at 231 Feet

Multiple Stage Cementing Collar Used? X Yes \_\_\_\_\_ No

If yes, show depth set 2105 Feet

If Alternate II completion, cement circulated from 2105

feet depth to surface w/ 287 sx cmt

Operator: License # 5011

Name: Viking Resources, Inc.

Address: 105 S. Broadway, Ste 1040

City/State/Zip: Wichita, KS 67202-4224

Purchaser: NCRA

Operator Contact Person: Shawn Devlin

Phone: (316) 262-2502

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Scott Oatsdean

Designate Type of Completion

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

X 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 \_\_\_\_\_ PBTD

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

2/19/94 3/2/94 3/17/94  
Spud Date Date reached TD Completion Date

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride Content 12000 ppm Fluid volume 1350 bbls

Dewatering method used Evaporate

Location of fluid disposal if hauled offsite:

RECEIVED  
KANSAS CORPORATION COMMISSION

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

\_\_\_\_\_ Quarter \_\_\_\_\_ Sec. CONSERVATION DIVISION \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
WICHITA, KS

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 Shawn P. Dunagan

Title Vice President Date 9/13/94

Subscribed and sworn to before me this 13<sup>th</sup> day of September

19 94

Notary Public Paula R. Dunagan

Date Commission Expires March 2, 1997



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)

PI

Operator Name Viking Resources, Inc. Lease Name J.R. Ewing Well # 1  
 Sec 8 Twp 16 Rge 27  East County Lane  
 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 sheets 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 type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" 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	3862	-1218
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Lansing	3898	-1254
List All E. Logs Run: Dual Induction Compensated Neutron Density			Stark	3660	-1508
			BKC	4219	-1575
			Marmaton	4240	-1596
			Cherokee Sh	4430	-1786
			Miss	4503	-1859

CASING RECORD							
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	20	231	60/40 Pozmix	150	3% cc 2% gel
Production	7 7/8	5 1/2	15.5	4558	Thixotropic	200	5% caseal 3/4% CFR3

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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	4134-4138		500 gal 15% NE	
4	4069-4073		0	

<b>TUBING RECORD</b>		Size <u>2 3/8</u>	Set At <u>4140</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj <u>3/18/94</u>		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Oil Per 24 Hours <u>60</u>	Bbls	Gas <u>0</u>	Mcf	Water <u>0</u>	Gravity <u>38</u>

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

DST #1 Interval 3979-3995 (E zone)  
Times 30-45-45-60  
IFP 41-41 FFP 72-72 ISIP 789 FSIP 849  
Recovery: Fair blow, 3-1/2" water, recovered 125' Muddy oil, 50% oil

---

DST #2 Interval 4050-4080 (H zone)  
Times 30-45-45-60  
IFP 395-799 FFP 909-1070 ISIP 1130 FSIP 1150  
Recovery: Strong blow to BOB 45 seconds, gas to surface in 5" on 2nd open,  
Recovery: recovered 3050' CGO 38 Deg API

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DST #3 Interval 4080-4120 (I zone)  
Times 30-45-45-60  
IFP 41-41 FFP 52-52 ISIP 1120 FSIP 1160  
Recovery: Fair blow to 3" in water, recovered 30' GIP, 60' OCM (25% oil)

---

DST #4 Interval 4120-4150 (J zone)  
Times 30-45-45-60  
IFP 52-72 FFP 124-166 ISIP 1110 FSIP 1120  
Recovery: Strong blow to BOB in 4", recovered 1360' GIP, 400' CGO 38 Deg API, 40' OCM (20% oil)

---

DST #5 Interval 4150-4180 (K zone)  
Times 30-45-45-60  
IFP 93-301 FFP 395-539 ISIP 1100 FSIP 1100  
Recovery: Strong blow to BOB in 2", recovered 2440 GIP, 300' CGO, 120' gassy water MCO  
Recovery: (50% G, 30% O, 10% W, 10% M) 60' gassy oil & MCW (40% G 10% O 25% W,  
Recovery: 15% M) 120' gassy oil & WCM (25% G, 5% O, 35% W, 35% M) 620' gassy water

---

DST #6 Interval 4180-4210 (L zone)  
Times 30-45-45-60  
IFP 72-291 FFP 322-478 ISIP 909 FSIP 889  
Recovery: Strong blow to BOB in 4", recovered 120' GIP  
Recovery: 540' gassy oil & MCW (5% G, 5% O, 60% W, 30% M) 680' gas cut water (95% W, 5% G)

---

DST #7 Interval 4380-4430  
Times 30-45-45-60  
IFP 31-41 FFP 52-52 ISIP 228 FSIP 769  
Recovery: 2-1/2" blow 1st open, 2nd open blow to BOB in 24"  
Recovery: Recovered 290' GIP, 15' mud 60' gassy OCM (25% G, 5% O 70% M)

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KANSAS CORPORATION COMMISSION

OCT 04 1994

CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL

CONFIDENTIAL

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 913-798-3643, Ness City, KS

ALLIED CEMENTING CO., INC.

6260

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	2-19-94	Sec.	8	Exp.	16	Range	27	Called Out	5 <sup>00</sup> pm	On Location	7 <sup>30</sup> pm	Job Start	10:15 PM	Finish	10:30 PM
Lease	J.R. Ewing	Well No.	#1	Location				Prodeavis Elev. 15' N.W. 1/4	Country	Kan.	State	KS			
Contractor	Aber R.T.D Rig #5											Owner	SAME		
Type Job	Surface Pipe Job											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.			
Hole Size	12 1/2"	T.D.	236 ft												
Csg. Old Pipe	8 5/8"	Depth	231 ft												
Tbx. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15 ft	Shoe Joint													
Press Max.		Minimum													
Meas Line	216 ft	Displace	140 gal												
Perf.															

EQUIPMENT

No.	Cementier	Mike Mursch
Pumptrk 224	Helper	Mike M.
No.	Cementier	
Pumptrk	Helper	
	Driver	
Bulktrk 116		Bill
Bulktrk	FROM CONFIDENTIAL	

Purchase Order No.	x Embury Mart	
Charge To	Argent	716-262-5111
Street	110 S. Main	Suite 810
City	Wichita	State Kan. 67202
The above was done to satisfaction and supervision of owner agent or contractor.		
Amount Ordered	150 gal	32cc 22 gal
Consisting of	Common	90 5.25
	Poz. Mix	60 3.00
	Gel.	3 2.00
	Chloride	5 25.00
	Quickset	

Handing	150	APR 6	1.00
Mileage	16		

DEPTH of Job	231 ft
Reference:	
16	Pump Truck Change
1	Milage change
1	8 5/8" wooden plug
	Total

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Thank you

Floating Equipment

Total #

Remarks: Mix Cement & sand down hole  
Cement did consolidate

Allied Cementing Co. Inc. 26th 2548

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STATE CORPORATION COMMISSION  
APR 10 1994

CONSERVATION DIVISION  
Wichita, Kansas



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

*Mid Continent*  
*Wass city*

BILLED ON TICKET NO. *663347*

## WELL DATA

FIELD \_\_\_\_\_ SEC *8* TWP *16* RNG *27* COUNTY *Labette* STATE *Ks*

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>M</i>	<i>15.5</i>	<i>5 1/2</i>	<i>0</i>	<i>4558</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

# ORIGINAL

# CONFIDENTIAL

## JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<i>3-2-94</i>	<i>2-2-94</i>	<i>3-2-94</i>	<i>3-2-94</i>
TIME <i>12:00pm</i>	TIME <i>1:15</i>	TIME <i>5:30</i>	TIME <i>8:00</i>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>T Henry</i>	<i>41004</i>	<i>025553</i>
<i>B. Crosswhite</i>	<i>51797</i>	<i>"</i>
<i>M. Carlin</i>	<i>51252</i>	<i>HAYS</i>

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
PERFPAC BALLS TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT *Chemistry*  
DESCRIPTION OF JOB *See Job log*  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE *X [Signature]*  
HALLIBURTON OPERATOR *[Signature]* COPIES REQUESTED *1*

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>200</i>	<i>Stewart</i>		<i>13</i>	<i>5% cel seal 2% CER 9</i>	<i>1.36</i>	<i>15.5</i>
					<i>KCC</i>		

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET \_\_\_\_\_ REASON \_\_\_\_\_

### SUMMARY

PRESLUSH: BBL.-GAL. \_\_\_\_\_  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. *111.2*  
CEMENT SLURRY: BBL.-GAL. *48.5*  
TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
RECEIVED  
STATE CORPORATION COMMISSION  
APR 08 1994  
500 g / ml Flush  
CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER *V. King*  
LEASE *R 504152*  
WELL NO. *7*  
JOB TYPE *Refracturing*  
DATE *3-6-94*



**JOB LOG FORM 2013 R-4**

CUSTOMER <u>Wiking Recharge #1</u>	WELL NO. <u>J.R. Ewing</u>	LEASE <u>Long Strips</u>	JOB TYPE <u>Long Strips</u>	TICKET NO. <u>663347</u>
---------------------------------------	-------------------------------	-----------------------------	--------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

6:15

**ORIGINAL**

ON Location  
 Centralizers (2) (4) (6) (10) (11)  
 (13) (15) (17) (20) (24) (28) Key  
 Basket  
 Port Collar (9105 FT)  
 Guide shoe ATO Fill  
 Pipe Set (4555) (55) 15 1/2 lbs  
 T.D. 4560 Rotary

6:32

0

Start Self Flush (580/s)

6:35

5

300

Start mud Flush (12100/s)

6:39

17

Start mixing cement (4800/s)

6:42

Shut Down

~~6:45~~

Wash out lines

6:50

65

Plug Ret Hole 15SKs

Release Plug

6:58

2

0

Start Displacement

7:15

111

1

1200

Plug Down

7:18

1200

0

Released Plug Held KCC

Wash UP

APR 6

Pack UP

**CONFIDENTIAL**

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

Job Complete

RECEIVED  
 STATE CORPORATION COMMISSION

APR 08 1994

CONSERVATION DIVISION  
 Wichita, Kansas



# ORIGINAL

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 913-796-3843, Ness City, KS

## ALLIED CEMENTING CO., INC.

6260

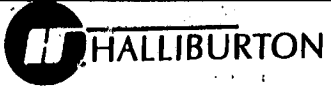
Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date	2-19-94	Sec.	8	Prop.	16	Range	27	Called Out	5 <sup>00</sup> pm	On Location	7 <sup>30</sup> pm	Job Start	10:15 PM	Finish	10:30 PM
Lease	J.R. Ewing	Well No.	#1	Location				Padreavis Elsie 15N 41E	County	lane	State	KS			
Contractor	Aber A.T.D. Rig #8							Owner	SAME						
Type Job	Surface Pipe Job							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	12 $\frac{1}{2}$	T.D.	230 ft												
Csg. Old pipe	8 $\frac{3}{4}$	Depth	231 ft												
Tbr. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15 ft	Shoe Joint													
Press Max.		Minimum													
Meas Line	216 ft	Displace	140 gal												
Perf.															
<b>EQUIPMENT</b>															
No.	No.	Cementer	Mike Munsch												
Pumptrk	224	Helper	Mike M.												
No.	No.	Cementer													
Pumptrk		Helper													
		Driver													
Bulktrk	116		Bill Lee												
Bulktrk		Driver													
DEPTH of Job 231 ft															
Reference:	Pump truck change		430.00												
16	mileage change		36.00												
1	8 $\frac{3}{4}$ waders, plug		42.00												
			Total	508.00											
Remarks: Mix cement & pump down hole Cement did circulate															
Allied Cementing Co. Inc. 26th 2548															

Charge To	Argent Energy Inc	216-262-5111
Street	110 S. Main	Suite 810
City	Wichita	State Kan., 67202
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.	x Anthony Ward	
Amount Ordered	150 gal	32cc 22 gal
Consisting of		
Common	90	512.50
Poz. Mix	60	180.00
Gel.	3	28.00
Chloride	5	125.00
Quickset		
Handling	150	150.00
Mileage	16	96.00
Total		1096.50
Thank you		
Floating Equipment	Total \$ 1604.50	
	Disc 320.90	
RECEIVED		
KANSAS CORPORATION COMMISSION 1283.60		
OCT 04 1994		



# JOB SUMMARY

HALLIBURTON DIVISION Mass City

BILLED ON TICKET NO. 663397

## WELL DATA

FIELD \_\_\_\_\_ SEC 8 TWP. 163 RING. 270 COUNTY Lawson STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>M</u>	<u>15.5</u>	<u>5 1/2</u>	<u>0</u>	<u>4555</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-2-94</u>	DATE <u>3-2-94</u>	DATE <u>3-2-94</u>	DATE <u>3-2-94</u>
TIME <u>12:00 PM</u>	TIME <u>1:15</u>	TIME <u>5:30</u>	TIME <u>8:00</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Henry</u>	<u>41104</u>	<u>025535</u>
<u>B. Crosswhite</u>	<u>51797</u>	<u>"</u>
<u>M. Corbin</u>	<u>51252</u>	<u>Heys</u>

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Com 7

DESCRIPTION OF JOB See Job Log

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR \_\_\_\_\_ COPIES REQUESTED 1

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>200</u>	<u>Standard</u>		<u>13</u>	<u>5% cal seal 2 1/4 PER 9</u>	<u>1.36</u>	<u>12.5</u>

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

### SUMMARY

### VOLUMES

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 111.2

CEMENT SLURRY: BBL.-GAL. 48.5

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

### REMARKS

200 gal salt flush

500 gal mud flush

**RECEIVED**

ATKINS CORPORATION COMMISSION

OCT 04 1994

CONSERVATION DIVISION  
WICHITA, KS

CUSTOMER V.K. R. SCHMIDT

LEASE T. A. Ewing

WELL NO. 41104

JOB TYPE Well Completion

DATE 3-2-94

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.	LEASE	JOB TYPE	TICKET NO.		
U. King Resources #1		#1	J.R. Ewing	Long Steers	463347		
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T. C.	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
	13.15						ON Location Centralizers (2) (4) (6) (10) (11) (13) (15) (17) (20) (21) (28) Key Basket Packer (2105 FT) Guide shoe ATO fill Pipe set (4555) (5 1/2) 15 1/2 lbs T.D. 4560 Rotary
	6.32		0				Start salt flush (5800)
	6.35		5			300	Start mud flush (12000)
	6.47		17				Start mixing cement (18000)
			62				Shut Down Wash out lines
	6.53		65				Plug Rat Hole 155KS
	6.58	7	0				Release Plug Start Displacement
	2.15		111		1	1200	Plug Down
	7.16					1200	Released Plug Held!
							Wash UP Pack UP
							Job Complete

RECEIVED Thank you  
KANSAS CORPORATION COMMISSION

OCT 04 1994

CONSERVATION DIVISION

FIELD OFFICE WICHITA, KS

*[Handwritten signature]*

