

RECEIVED
STATE CORPORATION COMMISSION
5-1-91
MAY 1 1991

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 # 5011
Name: Viking Resources, Inc.
Address 105 S. Broadway, Suite #1040

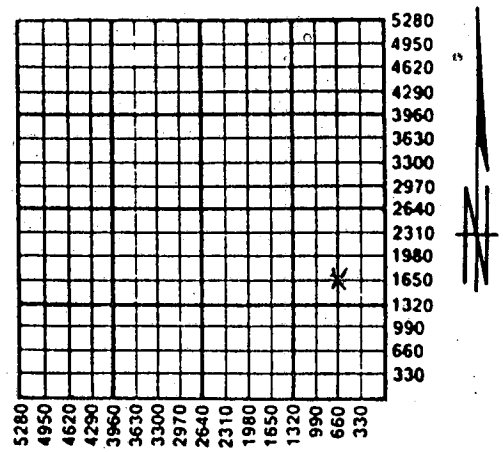
City/State/Zip Wichita, KS 67202-4224
Purchaser: _____
Operator Contact Person: James B. Devlin
Phone (316) 262-2502
Contractor: Name: Mallard, JV Inc
License: 4958
Wellsite Geologist: Robert Patton

Designate Type of Completion
 New Well _____ Re-Entry _____ Workover _____
_____ Oil _____ SWD _____ Temp. Abd.
_____ Gas _____ Inj _____ X _____ Delayed Comp.
_____ Dry _____ Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary _____ Air Rotary _____ Cable _____
4-19-91 4-28-91
Spud Date Date Reached TD Completion Date

CONSERVATION DIVISION
API NO. 15- 101-21573-0000 Wichita, Kansas
County Lane
S/2 NE SE Sec. 14 Twp. 17 Rge. 28 XX East West
1650 Ft. North from Southeast Corner of Section
660 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Borell Well # 2
Field Name unknown
Producing Formation N/A
Elevation: Ground 2729 KB 2737
Total Depth 4588 PBTD 2114



Amount of Surface Pipe Set and Cemented at 212 Feet
Multiple Stage Cementing Collar Used? _____ Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 2132
feet depth to surface w/ 335 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 James B. Devlin
Title President Date 5-1-91
Subscribed and sworn to before me this 1st day of May,
19 91.
Notary Public Shawn P. Devlin

Date Commission Expires _____
SHAWN P. DEVLIN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 12/3/94
December 3, 1994

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 Viking Resources, Inc. Lease Name Borell Well # 2
 Sec. 14 Twp. 17 Rge. 28 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 sheet 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.)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Anhydrite	2112	2148
Heebner	3933	
Ft. Scott	4489	
Mississippian	4580	

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
Surface	12 1/4	8 5/8	20	212	60/40 pozmix	145	2%gel 3%cc
Production	7 7/8	4 1/2	9.5	2132	60/40 Pozmix	335	6%gel 1/4# floseal/sack

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth

TUBING RECORD Size _____ Set At _____ Packer At _____ Liner Run Yes No

Date of First Production N/A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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 _____

RECEIVED

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

MAY 1 1991

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

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC. NO 7288

Home Office P. O. Box 31 Russell, Kansas 67665

new

Date	3-18-91	Sec.	27	Twp.	17	Range	28	Called Out	7 PM	On Location	7:30 PM	Job Start	12:10 PM	Finish	12:55 AM	
Lease	Barrell	Well No.	2	Location	Blameta 4 W 6 N West Lane			County		State	Ks					
Contractor	Mallard, J V											Owner	Same			
Type Job	Surface															
Hole Size	12 1/4		T.D.	215												
Csg.	8 5/8		Depth	212												
Tbg. Size			Depth													
Drill Pipe			Depth													
Tool			Depth													
Cement Left in Csg.	15'		Shoe Joint													
Press Max.			Minimum													
Meas Line			Displace	X 12 1/2 bbl												
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 *Viking Resources*
Street *105 S. Broadway Suite 1040 Inc*
City *Wichita* State *Ks 67202*

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

Purchase Order No.
X *Mark D Eben*

CEMENT

Amount Ordered	145 6/40 2x3		
Consisting of			
Common	87	5.25	456.75
Poz. Mix	58	2.25	130.50
Gel.	3	6.75	N/C
Chloride	4	21.00	84.00
Quickset			

Handling	145	1.00	145.00
Mileage	30		174.00

Total **990.25**

Floating Equipment
TOTAL \$ 1472.25
Disc - 294.45

\$ 1177.80

EQUIPMENT

Pumptrk	No.	Cementer	<i>Bene R D</i>
	158	Helper	<i>Bob</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	199	Driver	<i>Chad</i>
Bulktrk		Driver	

DEPTH of Job

Reference:	<i>Pump tanks</i>	380.00
	<i>30 milage</i>	60.00
	<i>8 5/8 tarp</i>	42.00
	Total	482.00

Remarks: *Cement did Cure*

THANK YOU!

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

No 2917

Home Office P. O. Box 31

Russell, Kansas 67665

~~Old~~ New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
3-28-91	14	17	28	10:30 AM	12:00 NOON	2:00 PM	6:00 PM
Lease Bonell	Well No 2	Location		Chamota 4W 6N	County Lane	State	Ks

Contractor	Mallard
Type Job	Shallow Disposal
Hole Size	T.D. 4588'
Csg. 4 1/2	Depth 2132'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint 21.40
Press Max. 500#	Minimum
Meas Line yes	Displace 33.5
Perf.	

Owner	Viking
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	Viking Resources Inc
Street	105 S Broadway Suite 1040
City	Wichita
State	Ks 67202
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	<i>[Signature]</i>

EQUIPMENT

No.	Cementer	
Pumptrk 158	Helper	
No.	Cementer	J.D.
Pumptrk	Helper	Bob
	Driver	Bill
Bulktrk 199		
Bulktrk	Driver	

Amount Ordered	500 sacks 60% 1/40 6% gel 1/4# flo seal per sack	
Consisting of	(used 334 sacks)	
Common	200	5.25 1050.00
Poz. Mix	134	2.25 301.50
Gel.	20	6.75 135.00
Chloride		
Quickset		
Flo. Seal 84#	1.00	84.00
	Sales Tax	
Handling	500	1.00 500.00
Mileage	31	620.00
	Sub Total	
	Total	2690.50

DEPTH of Job	2132
Reference:	
31	Pump trk charge 880.00
1	Mileage 62.00
	4 1/2 rubber plug 33.00
	Sub Total
	Tax
	Total 975.00

Remarks: Cement did circulate.

Floating Equipment	
	\$ 3665.50
	733.10
	\$ 2932.40
	MAY 1 1991
	CONSERVATION DIVISION Wichita, Kansas

By Allied Cementing
Thank you.
[Signature]

Viking Resources, Inc.

Broadway Plaza Building
105 South Broadway, Suite 1040
Wichita, Kansas 67202-4224

James B. Devlin
President

Phone (316) 262-2502
Fax (316) 262-2548

MEMO

DATE: May 2, 1991
TO: Kansas Corporation Commission
FROM: Shawn Devlin, Viking Resources, Inc.
RE: **Borell #2 SWD Application**

Gentlemen:

The following are the results of drill stem tests taken during the drilling of the Borell #2, Sec 17-27-28, Lane County.

DST #1 3965-3990, 30-45-30-60, Rec 65' thin watery mud w/ cup of oil. FP:31/31 52/52;
BHP:1109/1056; HP: 1867/1836.

DST #2 4305-4431, 30-45-30-60, Rec 30' oil, 402' muddy water (2% oil). FP:137/180 233/254;
BHP:1078/1014; HP:2214/2141.

DST #3 4437-4462, 30-45-30-60, Rec 5' mud. FP:25/25 25/25; BHP:37/30; HP:2007/2000.

DST #4 4558-4588, 30-30-30-30, Rec 5' mud. FP:31/31 31/31; BHP:264/137; HP:2109/2100;
BHT 113 deg.

Any additional information you need please contact me.

Shawn P. Devlin
Shawn P. Devlin, Vice President

RECEIVED
STATE CORPORATION COMMISSION

• MAY 03 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL
MALLARD JV, INC.
P. O. BOX 1009
McPHERSON, KS 67460

D R I L L E R S L O G

OPERATOR: Viking Resources, Inc.
105 S. Broadway, Suite #1040
Wichita, KS 67202-4224

WELL: Borell #2
API #: 15-101-21,573

COMMENCED: March 19, 1991

LOC: S/2 NE SE

COMPLETED: March 28, 1991

1650 FT. FSL, 660 FT. FEL

TOTAL DEPTH: 4588 FT.

SEC. 14 TWP. 17 RGE. 28 W

ELEVATION: 2729 FT. GL, 2737 FT. KB

COUNTY: Lane

STATUS: Set Casing - Cedar Hills Formation for SWD

Size Hole Drilled: 12-1/4" x 215'
Surface Casing: 8-5/8" x 20# x 202.97' (5 jts.)
Set at: 212.57'
Cement: 145 sacks 60/40 Pozmix, 2% gel, 3% cc
P.D.: 12:55 a.m. 3/20/91

Size Hole Drilled: 7-7/8" x 4588'
Production Casing: 4-1/2" x 9.5# x 2132'
Set at: 2140'
Cement: 400 sacks 60/40 Pozmix, 6% gel, 1/4# floseal per sk
P.D.: 5:45 p.m. 3/28/91

Drill Stem Test: 4
Electric Log: None

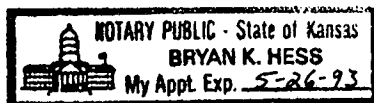
CERTIFICATE

Dick Hess, Vice-President of Mallard JV, Inc., hereby certifies that this is a true and correct copy of the log of the following well, as reflected by the files of Mallard JV, Inc.: Borell #2

Dick Hess
Dick Hess, Vice-President

STATE OF KANSAS)
COUNTY OF McPHERSON) ss.

Subscribed and sworn to before me this 16th day of April, 1991.



Bryan K. Hess
Bryan K. Hess, Notary Public