

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: Unknown

Operator Contact Person: James B. Devlin

Phone (316) 262-2502

Contractor: Name: White & Ellis Drilling, Inc.

License: 5420

Wellsite Geologist: Robert C. Patton STATE COMMISSION

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

12-6-90 12-18-90 1-16-91
Spud Date Date Reached TD Completion Date

API NO. 15- 077-21,220-00-00

County Harper

N W SE SW Sec. 5 Twp. 33s Rge. 6 East West

1000' Ft. North from Southeast Corner of Section

3830' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

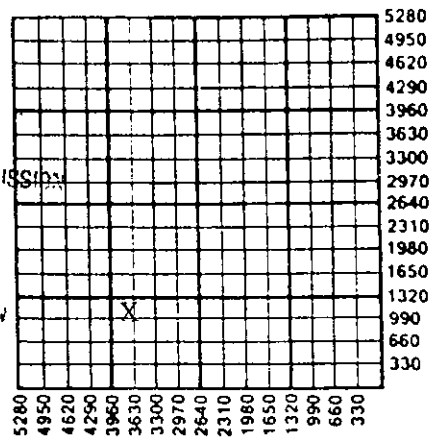
Lease Name Williams Well # 1-5

Field Name Wildcat

Producing Formation Mississippian

Elevation: Ground 1327 KB 1338

Total Depth 5100' PBTD 4660



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STATE CORPORATION COMMISSION
02-041991
FER 4 1001

Amount of Surface Pipe Set and Cemented at 261 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.

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 1-31-91

Subscribed and sworn to before me this 31st day of January, 19 91.

Notary Public SHAWN P. DEVLIN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 12-3-94

Shawn P. Devlin
December 3, 1994

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Williams Well # 1-5
 Sec. 5 Twp. 33s Rge. 6 East West County Harper

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	Formation Description <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample Name Top Bottom Heebner 3199 Stark 3946 Miss 4411 Arbuckle 4843
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
DST-See Attachment		

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#	261'	60/40 poz	165	3%cc 2%gel
Production	7 7/8"	4 1/2"	10.5#	4675'	ASC	150	10bbl mud flush 5% gilsonite 3# cemas

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4420'-4425'	12 Bbl 15% MCA Acid	4420-25'

TUBING RECORD Size 2 3/8" Set At 4473' Packer At None Liner Run Yes No

Date of First Production 1-16-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	3300	Trace		

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 _____

15-077-21220-0000 ORIGIN

DST #1 Int:3945-4000; 30-45-30-60; Rec 75' Mud; IFP:107/107;
FFP:118/118; ISIP:1472; FSIP:1322; HP:1974/1952; BHT:126°

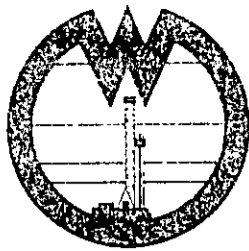
DST #2 Int:4423-4450; 30-45-60-60; Gas to surface 3 minutes,
10 min-353MCF; 20 min-415 MCF; 30 min-472 MCF; Final Flow 10 min-472;
20 min-552; 30 min-552; 40 min-577; 50 min-577; 60 min-577; Rec. 55' Gas Cut Mud;
IFP:161/161; FFP:215/215; ISIP:1760; FSIP: 1760; HP:2241/2187; BHT:138°

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STATE CORPORATION COMMISSION

FEB 4 1991

CONSERVATION DIVISION
Wichita, Kansas

5-336W



15-077-21220-00-00

WHITE

ANDELLIS DRILLING, Inc.

DRILLERS LOG

OPERATOR: Viking Resources, Inc., 105 S. Broadway - #1040,
Wichita, Kansas 67202
CONTRACTOR: White & Ellis Drilling, Inc. 401 E. Douglas - Suite 500
Wichita, Kansas 67202

Lease Name Williams Well No. 1-5
Sec. 5 T. 33S R. 6W Spot App NW SE SW
County Harper State Kansas Elev. _____

Casing Record:

Surface: 8 5/8" @ 261' with 165 sx.
Production: 4 1/2" @ _____ with _____ sx.

Type Well: Oil Well Total Depth 5100'

Drilling Commenced 12-6-90 Drilling Completed 12-18-90

Formation	From	To	Tops
Cellar	0	7	
Lime & Shale	7	4560	
Shale	4560	5100	

DEC 26 1990

CONSERVATION DIVISION
Wichita, Kansas

K E G

DEC 28 1990

12-28-1990

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

15-077-21220-00-00
ORIGINAL

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

ALLIED CEMENTING CO., INC. No. 8330
 Home Office P. O. Box 31 Russell, Kansas 67665

New

12-17-90

12-18-90

Date	12-18-90	Sec.	5	Twp.	33	Range	6	Called Out	10:00 P.M.	On Location	2:00 A.M.	Job Start	10:30 A.M.	Finish	11:52 A.M.
Lease	Williams	Well No.	1-5			Location			160 & 14 Jct. 35, 2 1/2 E, N into Harper			County	Harper	State	Ks.
Contractor	White & Ellis Rig # 2														
Type Job	Production														
Hole Size	7 7/8"		T.D. 5100'												
Csg.	4 1/2"		Depth 4696', Set 4625												
Tbg. Size	Depth														
Drill Pipe	Depth														
Tool	Depth														
Cement Left in Csg.	44'		Shoe Joint 44'												
Press Max.	600#		Minimum												
Meas Line	✓		Displace 7 bbl.												
Perf.															

EQUIPMENT

#	No.	Cementer	Timmer
		Helper	Cary
Pumptrk	181	Cementer	
		Helper	FER 10 1991
Bulktrk	68	Driver	Jacks
		Driver	

DEPTH of Job		
Reference:	Pumptrk Charge	880.00
35	Pumptrk Mileage	30.00
1	4 1/2" Rubber Plug	33.00
	Sub Total	
	Tax	
	Total	983.00

Remarks: Ran 4696' of 4 1/2" csg. Annul 20 bbl Salt flush followed by 500 gal WFR II Mixed 140 SKS ASC. 5% Gilsonite 3* cement. Washed line clear of cement & Pumped Plug to 4652' with Fresh water. float did Hold. *Thomson*

Owner Same

To Allied Cementing Co., Inc. which of itself has transferred to you. 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 #1040**

City **Wichita** State **Ks. 67202**

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

Purchase Order No. **Dubin**

CEMENT

Amount Ordered **150 SKS ASC, 5% Gilsonite, 3* Cement, 500 gal. WFR II, 20 bbl Salt Flush,**

Consisting of:

Common	150 ASC	7.25	1087.50
Poz Mix			
Gal. Salt Flush	10 sks	4.75	47.50
Chloride	WFR II 500 gal.	5.00	250.00
Quickset	Cement 3*	4.00	12.00
	Gilsonite 750	3.33	247.50
	Sales Tax		
Handling	150	1.00	150.00
Mileage	35		210.00
	Sub/Total		
	Total		2004.50

Floating Equipment

Total \$ 2987.50

Disc 597.50

\$ 2390.00

(Left 10 SKS to Plug Rathole)

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc. and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate; any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

PRICES AND TAXES: All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

SERVICE CONDITIONS AND LIABILITIES: 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.