

# ORIGINAL

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 # 5929  
Name: DUKE DRILLING CO., INC.  
Address 310 West Central - Suite 117  
Wichita, Kansas 67202

Purchaser: \_\_\_\_\_  
Operator Contact Person: Ralph R. Hamilton  
Phone (316) 267-1331

Contractor: Name: DUKE DRILLING CO., INC.  
License: 5929

Wellsite Geologist: Robert L. Williams, Jr.

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: D.R. Lauck Oil & Sunray Mid-Cont.  
Well Name: Garvin #1  
Comp. Date 1-12-59 Old Total Depth 3950'

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
04-09-90 04-11-90 04-11-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 185-01,040-0001  
County Stafford  
SW NW NE Sec. 27 Twp. 22S Rge. 14  East West  
4290 Ft. North from Southeast Corner of Section  
4950 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

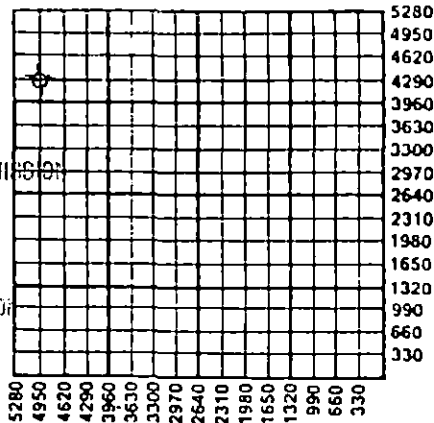
Lease Name Garvin Trust Well # 1

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 1943' KB 1948'

Total Depth 3948' PBDT \_\_\_\_\_



5280  
4950  
4620  
4290  
3960  
3630  
3300  
2970  
2640  
2310  
1980  
1650  
1320  
990  
660  
330  
N  
A/I D/O

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OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 216 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 Robert L. Williams, Jr.  
Title Geologist Date 11-8-91  
Subscribed and sworn to before me this 8th day of November, 1991.  
Notary Public Harold R. Trapp  
Date Commission Expires 7/25/95

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)

HAROLD R. TRAPP  
NOTARY PUBLIC  
STATE OF KANSAS  
My Assl. Exp. 7/25/95

P1

11/16/70

SIDE TWO

Operator Name DUKE DRILLING CO., INC. Lease Name GARVIN TRUST Well # 1  
Sec. 27 Twp. 22S Rge. 14  East County Stafford  
 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.)  
DST # 1 Misrun  
DST # 2 Attached

Formation Description  
 Log  Sample  
Name Top Bottom  
See old Walex open hole log and old  
D.R. Lauck Drillers log and geological  
report by N.D. (Polly) Clark

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"		216'			

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 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 \_\_\_\_\_

ARROW TESTING COMPANY  
P. O. BOX 1051 GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA Dst #1 - Misrun

Well Name	Garvin Trust	Test No.	2
Well Number	1	Zone Tested	KC
Company	Imperial Oil Properties	Date	4-11-90
Comp. Rep.	R.L. Williams	Tester	Don Fabricius
Contractor	Duke Drilling	Ticket No.	2812
Location	27-22-14	Elevation	

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12

Depth 3647 Depth 3651

Initial Hydro Mud Press. 1981 Initial Hydro Mud Press. 1970

Initial Shut-in Press. 47 Initial Shut-in Press. 58

Initial Flow Press. 23-23 Initial Flow Press. 46-46

Final Flow Press. 23-23 Final Flow Press. clock stopped

Final Shut-in Press. 129 Final Shut-in Press.

Final Hydro Mud Press. 1981 Final Hydro Mud Press. 1970

Temperature Tool Open Before I. S. I. 30 Mins.

Mud Weight 9.1 Viscosity 48 Initial Shut-in 30 Mins.

Fluid Loss 14 Flow Period 90 Mins.

Interval Tested 3642-60 Final Shut-in 45 Mins.

Top Packer Depth 3642 Surface Choke Size 1"

Bottom Packer Depth 3660 Bottom Choke Size 3/4"

Total Depth 3948 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt. 16.60 Rubber Size 6 3/4

Drill Collar I. D. Ft. Run

Recovery—Total Feet

Recovered 60 Feet Of very slightly oil specked mud

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Remarks

Weak building to fair blow on initial flow

Weak blow on final flow

straddle test

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign this agreement as agent of customer.

STATE CORPORATION

By \_\_\_\_\_  
Owner, Operator or his Agent

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REGISTRATION DIVISION  
Winning Kansas

ORIGINAL

15-185-01040-0001

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

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

# ALLIED CEMENTING CO., INC.

No. 6911

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
4-11-90	27	22	14	1:00 P.M.	3:15 P.M.	4:30 A.M.	6:00 P.M.
Lease	Well No.	Location		County	State		
Gardner Tract	1	W. 1/4 Sec. 27 T. 22 N. R. 14 W.		Stafford	KS		

Contractor	Duke Co.
Type Job	Rotary Plug
Hole Size	7 1/2" T.D. 3513
Csg.	Depth
Tbg. Size	Depth
Drill Pipe	Depth 800
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner	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	Duke
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor	
Purchase Order No.	
X	<i>[Signature]</i>
<b>CEMENT</b>	
Amount Ordered	115 SKS @ 6% GOI

### EQUIPMENT

#	No.	Cementor	JIM
Pumptrk	151	Helper	M. B. M.
	No.	Cementor	
Pumptrk		Helper	
		Driver	W. H. H.
Bulktrk	101		
Bulktrk		Driver	

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	

### DEPTH of Job

Reference:	Pumptrk Charge	
	Pumptrk Mileage	
	<del>15 SKS at 110</del>	
	Sub Total	
	Tax	
	Total	

Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

Remarks: Mixed - 50 SKS at 800  
40 SKS at 240  
10 SKS at 110  
15 SKS in Kithole  
Hogsdun

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Wichita, Kansas