

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 # 6111
Name: N-B Company, Inc.
Address P. O. Box 506

City/State/Zip Russell, KS 67665-0506
Purchaser: _____
Operator Contact Person: Peter Moreland
Phone (303) -825-0120

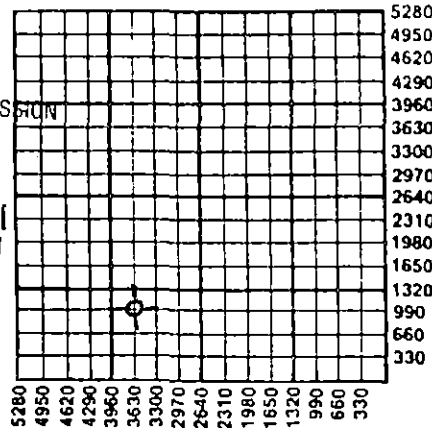
Contractor: Name: Emphasis Oil Operations
License: 8241
Wellsite Geologist: Peter Moreland

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: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Drilling Method:
 Mud Rotary Air Rotary Cable
2/15/91 2/23/91
Spud Date Date Reached TD Completion Date

API NO. 15-185-22,756-0000
County Stafford
NW SE SW Sec. 36 Twp. 23S Rge. 11 East
990 Ft. North from Southeast Corner of Section
3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Miller Well # 1-36
Field Name Zenith - PEACE CREEK
Producing Formation: VIOLA, MISENER
Elevation: Ground: 1802' KB 1807'
Total Depth 3900' PBDT _____

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6-19-91
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Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 256 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 "mt."

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-111 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 [Signature]
Title VICE PRESIDENT, DUNMORE OIL CO Date 5/23/91
Subscribed and sworn to before me this 23 day of May
19 91.
Notary Public [Signature]
Date Commission Expires June 16, 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)

PI

SIDE TWO

Operator Name N-B Company, Inc. Lease Name Miller Well # 1-36
 Sec. 36 Twp. 23S Rge. 23 East West
 County Stafford

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		
Name	Top	Bottom
Heelover	3134	
LANSING	3314	
BASE KC		3606
MARMATON	3625	
KINBERHOOK	3664	
MISENER SS	3681	
VIOLA	3702	
SIMPSON	3824	
TD	3900	

DST sheets attached

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

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(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 _____

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

15-185-22750-0000

ORIGINAL

Date	Feb 15-90	Sec.	36	Twp.	23	Range	11	Called Out	8 Pm	On Location	9 ⁰⁰ Pm	Job Start	11 Pm	Finish	11 ⁴⁵ Pm
Lease	Miller	Well No.	1-36			Location			4th Rd E to 7th Rd W 35			County	Rice	State	Kansas

Contractor	Emphasis Drilling		
Type Job	Surface		
Hole Size	12 1/4	T.D.	260
Csg.	8 5/8	Depth	258
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	✓ 16.25
Perf.			

EQUIPMENT

No.	Cementer	ND Jack Whymaster
Pumptrk 63	Helper	
No.	Cementer	Mark Brumgart
Pumptrk	Helper	
	Driver	
Bulktrk 101	Driver	

DEPTH of Job

Reference:	Pumptrk 258	
	Plus	
	Mileage	
		Sub Total
		Tax
		Total

Remarks: Cement drilled circle
Plug @ 200'
Thank

Owner	Same
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	N.E.B. Companies
Street	Box 506
City	Russell
State	Kansas
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	159264
X	Bill Owen
CEMENT	
Amount Ordered	175 69 40 2 23
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
	Sales Tax
Handling	
Mileage	
	Sub Total
	Total
Floating Equipment	

RECEIVED
STATE CORPORATION COMMISSION
JUN 10 1991
CONSERVATION DIVISION
Wichita, Kansas

GENERAL TERMS AND CONDITIONS

Under 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.

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.

Home Office P. O. Box 31

Russell, Kansas 67665

NO 1216

ORIGINAL

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
2-22-91	36	23	11	9:30 PM	12:00 AM	12:45 AM	2:30 AM
Lease	Well No.	Location		County	State		
Miller	1-34	4th STRD ESTOFT BITOP 6E45 1/4		STAFFORD	KS		

Contractor	Emphas. 5 Only 19 5	
Type Job	Plug To Abandon (Rotary Plug)	
Hole Size	7 7/8	T.D. 3900'
Csg.	Depth	
Tbg. Size	Depth	
Drill Pipe	4 1/2	Depth 522'
Tool	Depth	
Cement Left in Csg.	200E	Shoe Joint
Press Max.	Minimum	
Meas Line	Displace	
Perf.	50E A53E 00PE	

EQUIPMENT

GT Bend	No.	Cementer	Phil
Pumptrk	195	Helper	Yancy
Pumptrk	No.	Cementer	
Pumptrk		Helper	
		Driver	mark
Bulktrk	101	Driver	

DEPTH of Job

Reference:	Pump Trk Chg	
	Pump Trk mlg	
1.	8 3/8 Plug	
	Sub Total	
	Tax	
	Total	

Remarks:

SPET 50SKS - 522'
 50SKS - 280'
 10SKS - Plug 40'
 15SKS - Rathole
 10SKS - mouse hole

Owner Same
 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 Danmore Oil Company
 Viola Misenner

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

Purchase Order No. Bill Owen

Amount Ordered 135 SKS 60/40 6 1/2 gal
 CEMENT

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Sales Tax	
Handling	
Mileage	
Sub Total	
Total	

Floating Equipment

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CONSERVATION DIVISION
 Wichita, Kansas

L.P.C.

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.

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(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.

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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:

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(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.

Drill-Stem Test Data

Well Name MILLER #1-36 Test No. 1 Date 2/21/91
 Company DUNMORE OIL CO Zone Tested MISNER
 Address 1641 CALF ST #300 DENVER CO Elevation 1809 KB
 Co. Rep./Geo. MR PETER MORLAND Cont. EMPHASIS #5 Est. Ft. of Pay 15
 Location: Sec. 36 Twp. 23S Rge. 11W Co. STAFFORD state KANSAS

Interval Tested 3658-3702 Drill Pipe Size 4.5 XH
 Anchor Length 44 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 3653 Drill Collar - 2.25 Ft. Run 558
 Bottom Packer Depth 3658
 Total Depth 3702

Mud Wt. 9.2 lb / gal. Viscosity 44 Filtrate 8.4

Tool Open @ 1:25 PM Initial Blow FAIR 4" IN WATER IN 15 MINUTES

Final Blow FAIR 5" IN WATER IN 30 MINUTES

Recovery - Total Feet 80 Flush Tool? NO

Rec. 640 Feet of GAS IN PIPE

Rec. 80 Feet of GAS CUT MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. 108 Feet of 0

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 1 @ 65 °F Chlorides 6500 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud _____ PSI Ak1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 33.3 PSI @ (depth) _____ w/Clock No. 31154

(C) First Final Flow Pressure 33.3 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-In Pressure 290.4 PSI @ (depth) 3702 w/Clock No. 27585

(E) Second Initial Flow Pressure 44.1 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 62.5 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 314.5 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 1840.9 PSI Initial Shut-in 30 Final Shut-in 120

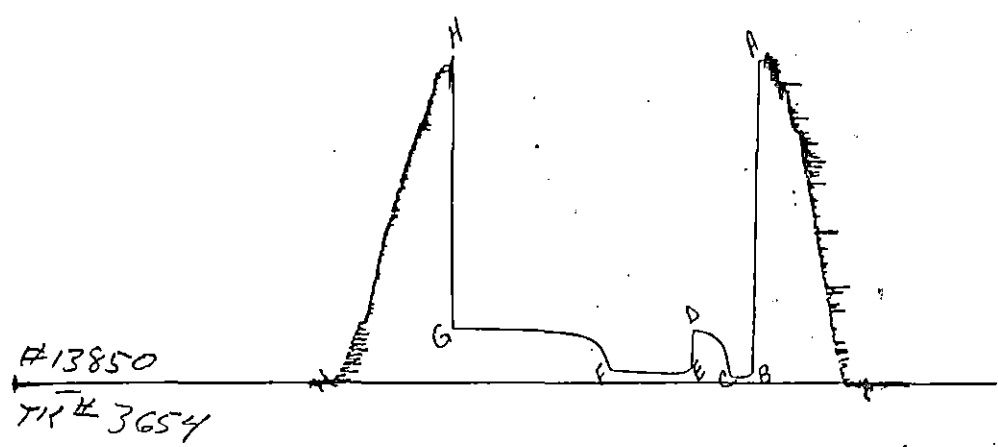
Our Representative MR HARRY SCHMIDT

TOTAL PRICE \$ 550

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CONSERVATION DIVISION
Wichita, Kansas



POINT

This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
A) INITIAL HYDROSTATIC MUD	1840	1845.7
B) FIRST INITIAL FLOW PRESSURE	30	33.3
C) FIRST FINAL FLOW PRESSURE	30	33.3
D) INITIAL CLOSED-IN PRESSURE	288	290.4
E) SECOND INITIAL FLOW PRESSURE	40	44.1
F) SECOND FINAL FLOW PRESSURE	60	62.5
G) FINAL CLOSED-IN PRESSURE	311	314.5
H) FINAL HYDROSTATIC MUD	1840	1840.9

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CONSERVATION DIVISION
Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

No 3654

T59264

Well Name & No. MILLER 1-36 Test No. ONE Date 2-20-91
 Company DUNMORE OIL CO. 11641 CALIFORNIA ST One Tested MISKENIER
 Address SUITE 300 DENVER COLO. 80202 Elevation 1809 113
 Co. Rep./Geo. PETER MORELAND cont. EMPHASIS 5 Est. Ft. of Pay 15'
 Location: Sec. 36 Twp. 23S Rge. 11W Co. STAFFORD State KS
 No. of Copies 5 Distribution Sheet Yes No Turnkey Yes No Evaluation

Interval Tested 3658 TO 3702 Drill Pipe Size 4 1/2" KH
 Anchor Length 44' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 3653 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 3658 Wt. Pipe I.D. — 2.7 Ft. Run 560
 Total Depth 3702 Drill Collar — 2.25 Ft. Run
 Mud Wt. 9.27 lb/gal. Viscosity 44 Filtrate 8.4
 Tool Open @ 1:25 P Initial Blow FAIR 4" IN WATER IN 15 MIN.

Final Blow FAIR 5" IN WATER IN 30 MIN.

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>80</u>	<u>640</u>	<u>NO</u>
Rec. <u>80</u> Feet Of XXXXXXXXXX	%gas	%oil
Rec. <u> </u> Feet Of <u>GAS CUT MUD</u>	%gas	%oil
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil

BHT 106 °F Gravity °API @ °F Corrected Gravity °API
 RW 81.0 @ 65' °F Chlorides 6500 ppm Recovery Chlorides ppm System
 (A) Initial Hydrostatic Mud 1840 PSI AK1 Recorder No. 13851 Range 4425
 (B) First Initial Flow Pressure 30 PSI @ (depth) 3663 w/Clock No. 31154
 (C) First Final Flow Pressure 30 PSI AK1 Recorder No. 13850 Range 4325
 (D) Initial Shut-In Pressure 288 PSI @ (depth) 3702 w/Clock No. 27585
 (E) Second Initial Flow Pressure 40 PSI AK1 Recorder No. Range
 (F) Second Final Flow Pressure 60 PSI @ (depth) w/Clock No.
 (G) Final Shut-In Pressure 311 PSI Initial Opening 75 Test 5500
 (H) Final Hydrostatic Mud 1840 PSI Initial Shut-In 30 Jars

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 Safety Joint
 Final Shut-In 120 Straddle JUN 19 1991
 Circ. Sub CONSERVATION DIVISION
 Sampler Wichita, Kansas
 Extra Packer
 Other
 TOTAL PRICE \$ 55000

Approved By Bill Owen
 Our Representative Harvey Schuchman

Printcraft Printers • Hays, KS

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 Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name MILLER #1-36 Test No. 2 Date 2/21/91
Company DUNMORE OIL CO Zone Tested VIOLA
Address 1641 CALIFORNIA #300 DENVER CO Elevation 1809 KR
Co. Rep./Geo. MR PETER MORLAND Cont. EMPHASIS #5 Est. Ft. of Pay 14
Location: Sec. 36 Twp. 23S Rge. 11W Co. STAFFORD state KANSAS

Interval Tested 3710-3730 Drill Pipe Size 4.5 XH
Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run 560
Top Packer Depth 3705 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3710
Total Depth 3730

Mud Wt. 9.2 lb / gal. Viscosity 45 Filtrate 8.6

Tool Open @ 6:15 AM Initial Blow GOOD THROUGHOUT-BOTTOM OF BUCKET 1 MIN

Final Blow SAME AS INITIAL

Recovery - Total Feet 100 Flush Tool? NO

Rec. 2400 Feet of GAS IN PIPE

Rec. 80 Feet of OIL CUT MUD-25%GAS/25%OIL/50%MUD

Rec. 20 Feet of WATER

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 108 °F Gravity 0 °API @ _____ °F Corrected Gravity _____ °API

RW 0.15 @ 75 °F Chlorides 48000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1869.3 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 33.3 PSI @ (depth) 3715 w/Clock No. 31154

(C) First Final Flow Pressure 33.3 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-In Pressure 290.4 PSI @ (depth) 2730 w/Clock No. 27585

(E) Second Initial Flow Pressure 44.1 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 52.6 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 260.1 PSI Initial Opening 15 Final Flow 30

(H) Final Hydrostatic Mud 1860.7 PSI Initial Shut-In 30 Final Shut-In 60

Our Representative MR HARRY SCHMIDT

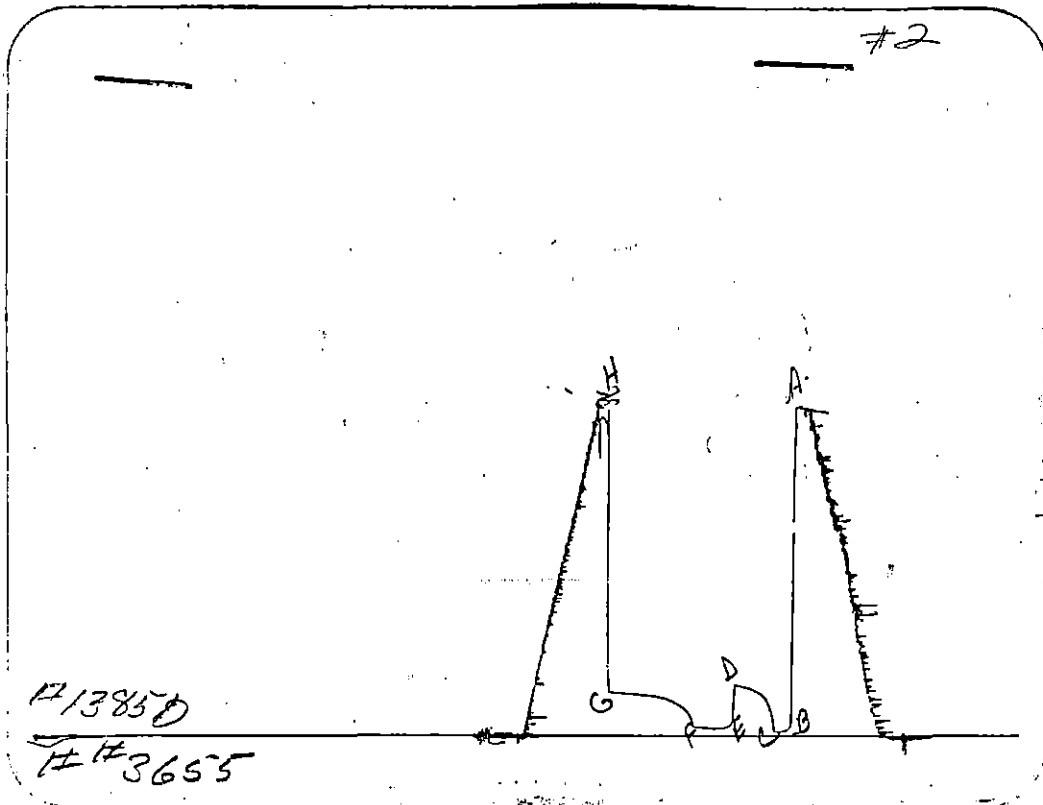
TOTAL PRICE \$ 550

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ORIGINAL



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
A) INITIAL HYDROSTATIC MUD	1862	1869.3
B) FIRST INITIAL FLOW PRESSURE	30	33.3
C) FIRST FINAL FLOW PRESSURE	30	33.3
D) INITIAL CLOSED-IN PRESSURE	288	290.4
E) SECOND INITIAL FLOW PRESSURE	40	44.1
F) SECOND FINAL FLOW PRESSURE	50	52.6
G) FINAL CLOSED-IN PRESSURE	255	260.1
H) FINAL HYDROSTATIC MUD	1862	1860.7

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CONSERVATION DIVISION
Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

No 3655

Test Ticket

Well Name & No. MILLER 1-36 Test No. TWO Date 2-21-91
 Company DUNMORE OIL CO. 1641 CALF. ST. Zone Tested STANDARD VIOLA
 Address SUITE 300 DENVER CO. 80202 Elevation 1809 ft.
 Co. Rep./Geo. PETER MORELAND Cont. EMPHASIS 5 Est. Ft. of Pay 14
 Location: Sec. 36 Twp. 23 S Rge. 11 W Co. STANDARD State KS
 No. of Copies 5 Distribution Sheet _____ Yes _____ No Turnkey Yes _____ No _____ Evaluation _____

Interval Tested 3710 TO 3730 Drill Pipe Size 4 1/2" X 14
 Anchor Length 20 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3705 Hole Size — 7 1/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3710 Wt. Pipe I.D. — 2.7 Ft. Run 560
 Total Depth 3730 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.2 lb/gal. Viscosity 45 Filtrate 86
 Tool Open @ 6:15 A Initial Blow GOOD THROUGHOUT DOT. BUCKET 2 MIN.

Final Blow SAME AS INITIAL

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
<u>80</u>	<u>2400</u>	<u>NO</u>
Rec. <u>80</u> Feet Of <u>OIL CUT MUD</u>	<u>25% gas 25% oil</u>	<u>50% water 50% mud</u>
Rec. _____ Feet Of _____	<u>% gas % oil</u>	<u>% water % mud</u>
Rec. <u>20</u> Feet Of <u>WATER</u>	<u>% gas % oil</u>	<u>% water % mud</u>
Rec. _____ Feet Of _____	<u>% gas % oil</u>	<u>% water % mud</u>
Rec. _____ Feet Of _____	<u>% gas % oil</u>	<u>% water % mud</u>

BHT 108 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.15 @ 75 °F Chlorides 48,000 ppm Recovery Chlorides _____ ppm System

- (A) Initial Hydrostatic Mud 1862 PSI Ak1 Recorder No. 13857 Range 4425
- (B) First Initial Flow Pressure 30 PSI @ (depth) 3715 w/Clock No. 31154
- (C) First Final Flow Pressure 30 PSI AK1 Recorder No. 13850 Range 4325
- (D) Initial Shut-In Pressure 288 PSI @ (depth) 3730 w/Clock No. 27585
- (E) Second Initial Flow Pressure 40 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 50 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure 255 PSI Initial Opening 15 Test 55000
- (H) Final Hydrostatic Mud 1862 PSI Initial Shut-In 30 Jars _____

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 30 Safety Joint _____
 Final Shut-In 60 Straddle _____

Approved By _____
 Our Representative [Signature]

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Sampler _____
 Extra Packer _____
 other _____
 TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name MILLER #1-36 Test No. 3 Date 2/22/91
 Company DUNMORE OIL CO Zone Tested VIOLA
 Address 1641 CALIFORNIA #300 DENVER CO Elevation 1809 KB
 Co. Rep./Geo. MR PETER MORLAND Cont. EMPHASIS #5 Est. Ft. of Pay _____
 Location: Sec. 36 Twp. 23S Rge. 11W Co. STAFFORD State KANSAS

Interval Tested 3719-3747 Drill Pipe Size 4.5 XH
 Anchor Length 28 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 3719 Drill Collar - 2.25 Ft. Run _____
 Bottom Packer Depth 3747
 Total Depth 3900

Mud Wt. 9.2 lb / gal. Viscosity 45 Filtrate 8.6

Tool Open @ 1:05 PM Initial Blow PACKERS FAILED

Final Blow PACKERS FAILED

Recovery -- Total Feet _____ Flush Tool? _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. _____ Range _____

B) First Initial Flow Pressure _____ PSI @ (depth) _____ w/Clock No. _____

C) First Final Flow Pressure _____ PSI AK1 Recorder No. _____ Range _____

D) Initial Shut-In Pressure _____ PSI @ (depth) _____ w/Clock No. _____

E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. _____ Range _____

F) Second Final Flow Pressure _____ PSI @ (depth) _____ w/Clock No. _____

G) Final Shut-In Pressure _____ PSI Initial Opening _____ Final Flow _____

H) Final Hydrostatic Mud _____ PSI Initial Shut-In _____ Final Shut-In _____

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Our Representative MR HARRY SCHMIDT

TOTAL PRICE \$ 800

CONSERVATION DIVISION
Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name MILLER #1-36 Test No. 4 Date 2/22/91
Company DUNMORE OIL CO Zone Tested VIOLA
Address 1641 CALF ST #300 DENVER CO Elevation 1809 KB
Co. Rep./Geo. MR PETER MORLAND cont. EMPHASIS #5 Est. Ft. of Pay _____
Location: Sec. 36 Twp. 23S Rge. 11W Co. STAFFORD State KANSAS

Interval Tested 3729-3741 Drill Pipe Size 4.5 XH
Anchor Length 12 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3729 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3741
Total Depth 3900

Mud Wt. 9.2 lb / gal. Viscosity 45 Filtrate 8.6

Tool Open @ 5:05 PM Initial Blow PACKER FAILURE

Final Blow _____

Recovery - Total Feet 540 Flush Tool? _____

Rec. 540 Feet of OIL SPOTTED GAS CUT MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT _____ °F Gravity 0 °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure _____ PSI @ (depth) _____ w/Clock No. 31154

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-In Pressure _____ PSI @ (depth) _____ w/Clock No. 27585

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 1055 Range 4025

(F) Second Final Flow Pressure _____ PSI @ (depth) 3900 w/Clock No. 20272

(G) Final Shut-In Pressure _____ PSI Initial Opening _____ Final Flow _____

(H) Final Hydrostatic Mud _____ PSI Initial Shut-In _____ Final Shut-In _____

Our Representative MR HARRY SCHMIDT

TOTAL PRICE \$ 800

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Wichita, Kansas