

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
Russell, KS 67665-0506
City/State/Zip
Purchaser: Koch
Operator Contact Person: Kelly P. Branum
Phone (913) -483-5345

Contractor: Name: Emphasis Oil Operations
License: 8241

Wellsite Geologist: _____

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

If **OWWO**: old well info as follows:
Operator: Don Slawson

Well Name: Jasper 'L' #1
Comp. Date 7/7/88 Old Total Depth 4420'

Drilling Method:
 Mud Rotary Air Rotary Cable
10/20/90 10/22/90 11/01/89
Spud Date Date Reached TD Completion Date

API NO. 15- 101-21,475-A-0001

County Lane

NE NW SW Sec. 6 Twp. 16S Rge. 29 East West

2310 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

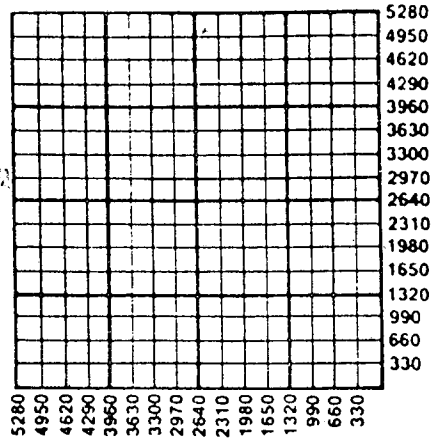
Lease Name Jasper 'L' "OWWO" Well # 1

Field Name _____

Producing Formation Ft. Scott

Elevation: Ground 2644' KB 2649'

Total Depth 4424' PBD _____



6-21-91

Amount of Surface Pipe Set and Cemented at 311' Prev. Set Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2028 Feet

If Alternate II completion, cement circulated from 2028

feet depth to Surface w/ 400 320 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 [Handwritten Signature]

Title Secretary-Tres. Date 1/25/91

Subscribed and sworn to before me this 25th day of January, 19 91.

Notary Public Glenda R. Ziffin
NOTARY PUBLIC
STATE OF KANSAS
Date Commission Expires February 6, 1992
MY APPT. EXPIRES 2-6-92

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 N-B Company, Inc. Lease Name Jasper 'L' "OWWO" Well # 1
 Sec. 6 Twp. 16S Rge. 29 East West County Lane

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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p>	<p style="text-align: center;">Formation Description</p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>2036'</td><td></td></tr> <tr><td>Heebner</td><td>3704'</td><td></td></tr> <tr><td>Lansing</td><td>3734'</td><td></td></tr> <tr><td>Base Kansas City</td><td>4077'</td><td></td></tr> <tr><td>Marmaton</td><td>4109'</td><td></td></tr> <tr><td>Ft. Scott</td><td>4205'</td><td></td></tr> <tr><td>Mississippi</td><td>4352'</td><td></td></tr> <tr><td>R.T.D.</td><td>4418'</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	2036'		Heebner	3704'		Lansing	3734'		Base Kansas City	4077'		Marmaton	4109'		Ft. Scott	4205'		Mississippi	4352'		R.T.D.	4418'	
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<p>CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used</p> <p>Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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 1/2"	8-5/8"	20#	311		150	
Production	4 1/2"	7-7/8"	9.50	4418	ASL	125	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
1	4325' & 4337'			1,250 gals. 15%			
2	4324'-4326' 4335'-4339'			None			
2	4266'-4270'			1,000 gals. 15%			
TUBING RECORD				Liner Run			
Size 2-3/8"		Set At 4350'		Packer At None		NA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours		Oil 50	Bbls.	Gas	Mcf	Water Bbls.	Gas-Oil Ratio 37

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 4266'-4270'

15-101-21475-00-01 ORIGINAL

EMPHASIS OIL OPERATIONS

P. O. BOX 506
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: N-B Company, Inc.
P. O. Box 506
Russell, KS 67665-0506

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Jasper 'L' "OWWO" WELL #1

LOCATION: NE NW SW
Section 6-16S-29W
Lane County, Kansas

ROTARY TOTAL DEPTH: 4424'

ELEVATION: 2649' K.B.

COMMENCED: 10/20/90

COMPLETED: 10/22/90

CASING: 8-5/8" @ 311' prev. set
4-1/2" @ 4418' w/125 sks cement

STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

First Plug	38'
Second Plug	221'
Third Plug	1425'

RECEIVED
STATE OF KANSAS COMMISSION

JAN 28 1991
01-28-1991

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)


Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum

Kyle B. Branum

Subscribed and sworn to before me on October 23, 1990.

My commission expires: February 6, 1992.

 **GLEND A. R. TIFFIN**
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 2-6-92

Glenda R. Tiffin

Glenda R. Tiffin, Notary Public

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.

Phone 913-483-2627, Russell, Kansas

15-101-21475-00 ORIGINAL

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 8776

Home Office P. O. Box 31

Russell, Kansas 67665

new

Date	11-1-90	Sec.	6	Twp.	16	Range	29	Called Out		On Location	2:45 PM	Job Start		Finish	4:45 PM
Lease	Jasper	Well No.	1	Location	Cove 5 to Cih. 4W-4S Lane				County		State	Kan			
Contractor	Plains Well Service														
Type Job	Port Callar														
Hole Size								T.D.							
Csg.	4 1/2"							Depth							
Tbg. Size	2"							Depth							
Drill Pipe								Depth							
Tool	Port Callar							Depth	2025'						
Cement Left in Csg.								Shoe Joint							
Press Max.								Minimum							
Meas Line								Displace							
Perf.															

EQUIPMENT

No.	Cementer	Walt Gerald
Pumptrk 153	Helper	
No.	Cementer	Mark
Pumptrk	Helper	
Bulktrk 156	Driver	
Bulktrk	Driver	

DEPTH of Job		
Reference:	Pumptruck	475.00
	2.00 per mile	100.00
	Sub Total	575.00
	Tax	
	Total	

Remarks: Cement Did Circ

Owner
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.

Charge To: *M & B Oil Co.*
Street: *P.O. Box 506*
City: *Russell* State: *Kan* 67665

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

Purchase Order No. X

Amount Ordered: *320 SKS 60/40 PORT, 6% Gel*

Consisting of		
Common	193	525 1008.00
Poz. Mix	128	225 288.00
Gel.	13	275 87.75
Chloride		
Quickset		

Handling *1.00 per SK* 320.00
Mileage *5.0 m* 103 480.00

Sub Total	2183.75
Total	

Floating Equipment

RECEIVED STATE COMMISSION

Thal Law

JUN 12 1991