

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 065-22,596 00-00  
County Graham  
NW SE SE Sec. 19 Twp. 6S Rge. 25  East  
990 Ft. North from Southeast Corner of Section  
990 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Klein Well # 1  
Field Name All odeium East  
Producing Formation Kansas City  
Elevation: Ground 2590' KB 2595'  
Total Depth 3910' PBDT \_\_\_\_\_

Operator: License # 6111  
Name: N-B Company, Inc  
Address P. O. Box 506  
City/State/Zip Russell, KS 67665-0506  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Kyle B. Branum  
Phone (913) -483-5345

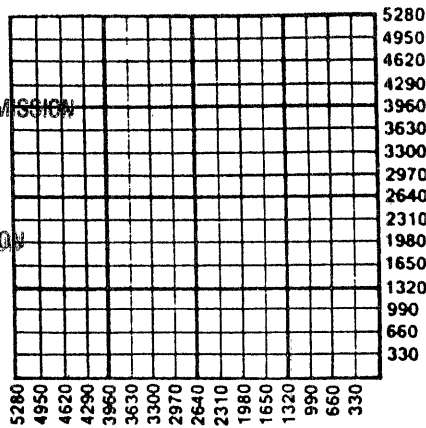
Contractor: Name: Emphasis Oil Operations  
License: 8241  
Wellsite Geologist: Mike Bair

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  
2/4/91 2/11/91 3-12-91  
Spud Date Date Reached TD Completion Date

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JUN 14 1991  
CONSERVATION DIVISION  
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 368 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2176 Feet  
If Alternate II completion, cement circulated from 2176  
feet depth to surface w/ 325 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 [Signature]  
Title Vice-President Date 6-13-91

Subscribed and sworn to before me this 13th day of June, 19 91.

Notary Public [Signature]

Glenda R. Tiffin  
Date Commission Expires 2-6-92  
NOTARY PUBLIC  
STATE OF KANSAS  
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 Klein Well # 1  
 Sec. 19 Twp. 6S Rge. 25  East County Graham  
 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) DST #1 - 3684'-3758' 74' Anch. 45-45-45-45 1st Open - Btm bkt 11 min. 2nd Open - Btm " 18 min. SIP 995-962 FP 82-173/223-281 Rec: 30' MCO 65% Oil 30' SOCM 10% O, 120' SOCM 10% O, 240' GOWCM 2% O, 120' M Wtr. 30%M	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/> Log</td> <td colspan="2" style="text-align: center;"><input type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: center;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">2165'</td> <td></td> </tr> <tr> <td>Topeka</td> <td style="text-align: center;">3484'</td> <td></td> </tr> <tr> <td>Heebner</td> <td style="text-align: center;">3639'</td> <td></td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">3675'</td> <td></td> </tr> <tr> <td>Base KC</td> <td style="text-align: center;">3867'</td> <td></td> </tr> <tr> <td>TD</td> <td style="text-align: center;">3911'</td> <td></td> </tr> </table> <p style="text-align: right;">For DST #2 (See attached paper)</p>	Formation Description			<input type="checkbox"/> Log	<input type="checkbox"/> Sample		Name	Top	Bottom	Anhydrite	2165'		Topeka	3484'		Heebner	3639'		Lansing	3675'		Base KC	3867'		TD	3911'	
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**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#	368	60/40 Poz.	240	2% gel, 3% cc
Production	7-7/8"	4-1/2"	9.50	3911	150 sks ASC		

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 hpf	3824'-3828'	500 gals. 15% MCA Retreat 1750 15%	3824'-3828'

**TUBING RECORD** Size 2-3/8 Set At 3890' Packer At N/A Liner Run  Yes  No

Date of First Production 3-12-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
 Estimated Production Per 24 Hours  
 Oil 20 Bbls. Gas None Mcf Water None Bbls. Gas-Oil Ratio 36° Gravity 36°

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 3824'-3828'

ORIG

# N-B COMPANY, INC.



P.O. Box 506  
Russell, Kansas 67665

Phone 913-483-3518

Re: Klein #1  
NW SE SE  
Section 19-6S-25W  
Graham County, Kansas

DST #2 3801'-3838'  
30-45-30-45  
1st Open - blow btm 8 min.  
2nd Open - " " 6 min.  
SIP: 1079'-1037  
FP: 49-83/115-141  
Recovered: 280' cl gy oil  
60' gy mco (50%)  
650' GIP

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CONSERVATION DIVISION  
Wichita, Kansas

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No 1532

ORIGINAL

Date	3-7-91	Sec.	19	Twp.	6	Range	25	Called Out	7:00 AM	On Location	11:45 AM	Job Start	2:00 PM	Finish	4:15 PM
Lease	Klein	Well No.	# 2	Location	Studley 10N1E4NW			County	Graham	State	Kansas				

Contractor Lightning Well Service  
 Type Job Circulate Cement

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.

Hole Size	T.D.
Csg.	Depth
Tbg. Size	Depth
<u>Bridge plug 4 1/2"</u>	<u>2177'</u>
	<u>3200'</u>
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace

Charge To N & B Oil Co  
 Street P.O. Box 506  
 City Russell State Ken 67665  
 The above was done to satisfaction and supervision of owner agent or contractor.

Ref. Port collar at 2177'

Purchase Order No. X  
W. B. M.

### EQUIPMENT

#197	No.	Cementer	<u>M KAUFMAN</u>
Pumptrk		Helper	<u>WAYNE M</u>
#146	No.	Cementer	
Pumptrk		Helper	
Bulktrk		Driver	<u>Ed K</u>
Bulktrk		Driver	

Amount Ordered 325 SKS 60/40 P02 9% Gel

Consisting of			
Common	<u>195</u>	<u>5.25</u>	<u>1023.75</u>
Poz. Mix	<u>130</u>	<u>2.25</u>	<u>292.50</u>
Gel. used	<u>17 Chg 12</u>	<u>6.75</u>	<u>81.00</u>
Chloride			
Quickset			

DEPTH of Job		
Reference:		
#	<u>PUMP TRK</u>	<u>475.00</u>
	<u>2<sup>00</sup> Permils</u>	<u>134.00</u>
	Sub Total	<u>609.00</u>
	Tax	
	Total	

Handling	<u>1.00</u>	<u>325.00</u>
Mileage	<u>67m</u>	<u>871.00</u>
	Sub Total	<u>2593.25</u>
	Total	

Remarks: Set Bridge plug @ 3200'  
Run Tool to 2177 Tested casing  
To 1000 # open port collar Mixed  
SKS Cement Cement Circulated to  
Surface closed port collar Test to  
1000 # Held OKs

Floating Equipment

*[Handwritten Signature]*

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