

ORIGINAL SIDE ONE

CONFIDENTIAL

Subs

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

API NO. 15- 093-21,171  
County Kearny **31-22-37**

Operator: License # 5363  
Name: BEREXCO INC  
Address 970 Fourth Financial Center  
City/State/Zip Wichita, KS 67202  
Purchaser: Central Crude Corp.

Operator Contact Person: Evan Mayhew  
Phone ( 316 ) 265-3311

Contractor: Name: BEREDCO INC  
License: 5147

Wellsite Geologist: Charles B. Spradlin, Sr.

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  
2-0-91 2-28-91 4-13-91  
Spud Date Date Reached TD Completion Date

NW NE SW Sec. 31 Twp. 22S Rge. 30E  
2185 Ft. North from Southeast Corner of Section  
3505 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Modie Well # 4-31  
Field Name Heinitz  
Producing Formation Morrow  
Elevation: Ground 3309' KB 3321'  
Total Depth 5050' PBDT 4998

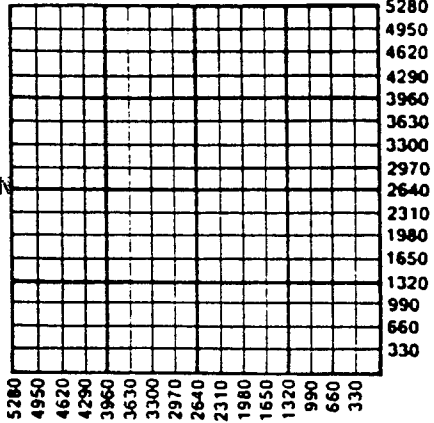
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OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 1725' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3295 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 [Signature]  
Title Vice-President Date 5/29/91

Subscribed and sworn to before me this 29 day of May, 1991.  
Notary Public Willa J. Martin  
Date Commission Expires 12/17/94

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)

WILLA J. MARTIN  
Notary Public - State of Kansas  
My Appt. Expires 12/17/94

**SIDE TWO**

Operator Name BEREXCO INC Lease Name Modie Well # 4-31  
 Sec. 31 Twp. 22S Rge. 37  East County Kearny  
 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.)

see attached sheet

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Base/Heebner	3803	
Toronto	3818	
Kansas City "C"	4274	
Pawnee	4436	
Cherokee	4480	
St. Genevieve	4866	
TD	5050	

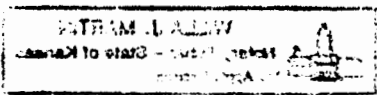
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	23#	1725	Lite/Common	525/150	2% cc
Production	7 7/8	5 1/2	15.5#	5049	thixset	175	
			DV tool @	3295'	Lite/Class C	225/50	1/4# flocale
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	4739-50'			none		4739-50'	
TUBING RECORD							
	Size 2 7/8"	Set At 4800'	Packer At none	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
4/13/91		<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		170	0	0	-	35°	

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: 4739-50'



Computer Inventoried

31-228-37

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KCC

DRILL STEM TESTS

MODIE #4-31  
Section 31-228-37W  
Kearny Co., Kansas

MAY 2 8

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DST #1 Upper Morrow, 4715-53', 15(30)60(120)  
Blow: Strong blow during entire period but no gas. (initial)  
Gas to surface in 4 min (final)  
Rec: TF 1560' = 1020' clean oil & 540' MCGO (54% oil, 18% gas, 28% mud).  
FP 302-312/355-387  
SIP 365/387

<u>FINAL FLOW PERIOD TIME</u>	<u>MCFPD</u>
10	4.7 MCF
20	6.7 MCF
30	8.2 MCF
40	3.7 MCF
50	2.6 MCF
60	TSTM

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