

COPY

31-22-37W

SIDE ONE

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

KCC
APR 2 '92
CONFIDENTIAL

Operator: License # 5363
Name: BEREXCO INC
Address 970 Fourth Financial Center
City/State/Zip Wichita, KS 67202
Purchaser: Central Crude Corporation
Operator Contact Person: Evan Mayhew
Phone (316) 265-3311
Contractor: Name: BEREDCO INC
License: 5147
Well Geologist: Ed Greives
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Deepening _____ Re-perf. _____ Conv. to Inj/SWD _____
Plug Back _____ PSTD _____
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) Docket No. _____
1-11-92 1-21-92 3-21-92
Spud Date Date Reached TD Completion Date

API NO. 15- 093-21,190
County Kearny
SW - SE - SE - Sec. 31 Twp. 22S Rge. 37 E
330 Feet from S (circle one) Line of Section
990 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Modie Well # 5-31
Field Name Heinitz
Producing Formation Morrow
Elevation: Ground 3306 KB 3318
Total Depth 5100 PSTD 5068
Amount of Surface Pipe Set and Cemented at 1692 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3186 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan 112
(Data must be collected from the Reserve Pit)
Chloride content 2100 ppm Fluid volume 2500 bbls
Devatering method used evaporation
Location of fluid disposal if hauled offsite:
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp. Rng. E/W
County _____ Docket No. _____

RELEASED

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for 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 geologist well report 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.

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 Evan Mayhew
Title District Engineer Date 4/20/92
Subscribed and sworn to before me this 20 day of April, 1992.

Notary Public MARJORIE A. HEDRICK
NOTARY PUBLIC
STATE OF KANSAS
Date 6/29/93

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
APR 28 1992
KCC SWD/Rep NGPA
KGS Plug Other
Wichita, Kansas (Specify)

SIDE TWO

Operator Name BEREXCO INC Lease Name Modie Well # 5-31

Sec. 31 Twp. 22S Rge. 37 East West County Kearny

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	see attached sheet		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	see attached sheet			

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#	1692	LiteC/Prem	525/150	2%cc, 1/4# floccle
Production	7 7/8	5 1/2"	15.5#	5099	Thixset	200	
			DV Tool	@ 3186	Prem/LiteC	50/200	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4728-38', 4742-45'	16,000 gals gelled diesel	4728-38'
		24,000# sand	4742-45'
		1000 gals 15% NeHCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 3/8"	4950	none		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SMD or Inj.]			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	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio Gravity
	32		0	=	0		

Disposition of Gas:	METHOD OF COMPLETION			Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled			4728-38'
	<input type="checkbox"/> Other (Specify)			4742-45'

31-22-37W

Computer Inventories ORIGINAL

KCC

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APR 2 2

APR 2 8 1994

CONFIDENTIAL

DRILL STEM TESTS

FROM CONFIDENTIAL

Modie #5-31
SW SE SE Sec 31-22S-37W
Kearny Co., KS

DST #1 Upper Morrow 4700-4736
15(30)60(120)
BLOW: strong blow, btm of bucket in 45 sec
BLOW: weak blow, died - flushed tool, still no blow
IH:
IFP: 121/157
ISIP: 157
FFP: 157/157
FSIP: 157
FH:
T°: 120°F
Rec: 1133' gas in pipe & 339' gas & oil cut mud (ave % oil cut, varies from 5-10%)

DST #2 Upper Morrow 4738-4750'
15(30)60(120)
BLOW: fair blow, increased to btm of bucket in 4 min
BLOW: good blow, immediately off btm of bucket again in 4 min
IH: 2330
IFP: 49/36
ISIP: 97
FFP: 48/48
FSIP: 145
FH: 2282
T°: 120°F
Rec: 3000' gas in pipe & 10' gas & MCO (75% oil) & 30' gas cut oil (99% oil) not wtr. Gty - 33° @ 70°F.

RECEIVED
STATE CORPORATION COMMISSION
APR 2 5 1992