

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
RECOMPLETION FORM
ACO-2 AMENDMENT TO WELL HISTORY

Operator: License # 5565
Name: N.C.R.A.
Address: 6000 W. 10TH
City/State/Zip: GREAT BEND, Ks. 67530
Purchaser: MOBIL
Operator Contact Person:
Phone: (316) 793-7824

Designate Type of Original Completion
 New Well Re-Entry Workover
Date of Original Completion 1-22-85
Name of Original Operator FINA
Original Well Name COOLEY A

Date of Recompletion: 1-29-90 2-7-90
Commenced 1-29-90 Completed 2-7-90

Re-entry Workover

Designate Type of Recompletion/Workover:
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

Deepening Perforation
 Plug Back 3750' PBD
 Conversion to Injection/Disposal

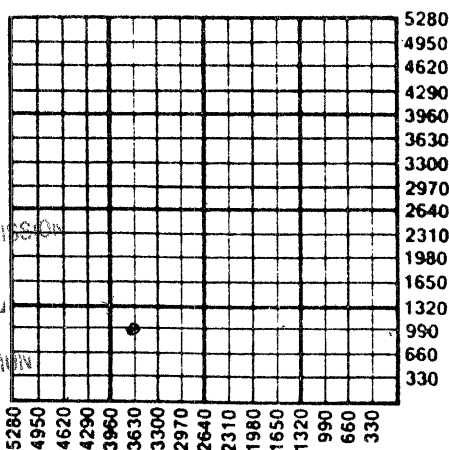
Is recompleted production:
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (Disposal or Injection?)
Docket No. _____

API NO. 15- 065-22,262-00-01
County GRAHAM
NW SE SW Sec. 17 Twp. 9 Rge. 21 East West

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 COOLEY A Well # 13
Field Name MOREL

Producing Formation L-KC
Elevation: Ground 2295' KB 2300'



CONSERVATION DIVISION
Wichita, Kansas

4/13/90
13 1990

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)

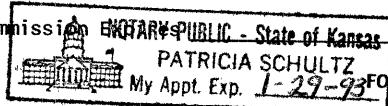
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the recompletion of any well. Rules 82-3-107 and 82-3-141 apply. Information on side two of this form will be held confidential 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 any additional wireline logs and driller's time logs (not previously submitted) shall be attached with this form. Submit ACO-4 or ACO-5 prior to or with this form for approval of commingling or dual completions. Submit CP-1 with all plugged wells. Submit CP-111 with all temporarily abandoned wells. **NOTE: Conversion of wells to either disposal or injection must receive approval before use; submit form U-1.**

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 Steve Brackeen Title DISTRICT FOREMAN Date 4/11/90

Subscribed and sworn to before me this 11th day of April 19 90

Notary Public Patricia Schultz Date Commission Expires _____



PI

SIDE TWO

Operator Name N.C.R.A. Lease Name COOLEY A Well # 13
Sec. 17 Twp. 9 Rge. 21 East West
County GRAHAM

RECOMPLETION FORMATION DESCRIPTION

Log Sample

Name _____ Top _____ Bottom _____

SEE ATTACHMENT

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input checked="" type="checkbox"/> Plug Off Zone	<u>3501-3517'</u>		<u>CLASS A</u>	<u>50</u>	<u>3/4% HALAD 322</u>
	<u>(PERFS.)</u>				

Shots Per Foot	PERFORATION RECORD	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)
	Specify Footage of Each Interval Perforated	
<u>4</u>	<u>3501-05'</u>	<u>SQUEEZED (SEE ABOVE)</u>
<u>4</u>	<u>3508-17'</u>	<u>SQUEEZED (SEE ABOVE)</u>
<u>4</u>	<u>3536-40'</u>	<u>250 GAL. 15% ACID (2-28)</u>
<u>4</u>	<u>3580-88'</u>	
<u>4</u>	<u>3656-60'</u>	
<u>4</u>	<u>3664-74'</u>	

PBTD 3750' Plug Type HALLIBURTON SPEED-E-LINE CIBP

TUBING RECORD

Size 2 7/8" Set At 3681' Packer At _____ Was Liner Run _____ Y N

Date of Resumed Production, Disposal or Injection 2-8-90

Estimated Production Per 24 Hours Oil 19.62 Bbls. Water 89.38 Bbls. Gas-Oil-Ratio _____

Gas _____ Mcf

Disposition of Gas:

Vented Sold Used on Lease (If vented, submit ACO-18.)

FORMATION TOPS
(Welex-R-Guard)
12-25

<u>FORMATION</u>	<u>DEPTH</u>	<u>MINUS DATUMS</u>
Anhydrite	1780	+520
Base Anhydrite	1813	+487
Heebner	3457	-1157
Toronto	3480	-1180
Lansing-Kansas City	3496	-1196
Base-Kansas City	3706	-1406
+Arbuckle	3795	-1495
Rotary Total Depth	3801	-1501
Log Total Depth	3806	-1506
+Sample Top		

Lansing-Kansas City 3496 - (-1196)
3498-3505

	IS;	White to buff, fine to medium crystalline porosity with a trace of rare spotty stain. No free oil but faint odor.
3508-14	IS;	Buff, fossiliferous and chalky. Trace of spotty stain. No free oil or odor.
3536-40	IS;	White, trace of fair fossil porosity with scattered spotty stain. No free oil or odor.
3554-58	IS;	Buff, fine crystalline and dense, slightly chalky, and fossiliferous. No free oil or odor.
3582-88	IS;	Buff, traces of crystalline porosity with a trace of spotty stain. No free oil or odor.
3593-98	IS;	Buff, fine crystalline and dense. Slightly oolitic. No free oil or odor.
3630-33	IS;	White, fair to poor fossil and oolitic porosity with light stain. Slight show of free oil and faint odor.
3657-61	IS;	Buff, scattered light stain in poor crystalline porosity, slightly fossiliferous. No free oil or odor.
3666-73	IS;	White, chalky crystalline porosity. No free oil or odor.
3689-93	IS;	Buff, crystalline and fossiliferous. No free oil or odor.
3702-03	IS;	White, fine crystalline and dense. No free oil or odor.

RECEIVED
STATE CORPORATION COMMISSION

APR 12 1990

CONSERVATION DIVISION
Wichita, Kansas

Base-Kansas City 3706 - (-1406)

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 908112



DATE 2-5-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Cooley A-13	COUNTY Graham	STATE Kansas
CHARGE TO N.C.R.A.		OWNER Same	CONTRACTOR Hembree	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO W Palco, Ks	TRUCK NO. 0818	RECEIVED BY <i>J. H. Beck</i>
No. B 848125				

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261	1	B	Standard Cement	50				5.45	272 50	
507-775	516.00144	1	B	Malad-322 Blended	35	lb			5.60	196 00	
510-222	516.00051	1	B	Sand 20/40 Brady on side	2				8.60	17 20	
<div style="font-size: 4em; opacity: 0.3; transform: rotate(-45deg); position: absolute; top: 50%; left: 50%;">THIS IS NOT AN INVOICE</div>											
RECEIVED STATE CORPORATION COMMISSION APR 12 1990 CONSERVATION DIVISION Wichita, Kansas					LOADED MILES	TON MILES					
SERVICE CHARGE ON MATERIALS RETURNED					CU. FEET						
500-207		1	B	SERVICE CHARGE			52		.95	49 40	
500-322		1	B	Mileage Charge	4,935	TOTAL WEIGHT	22	LOADED MILES	54.185	TON MILES	45 00
No. B 848125		CARRY FORWARD TO INVOICE					SUB-TOTAL				5,80 10

CUSTOMER