

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 # 5565

Name: National Cooperative Refinery Association
Address 6000 W. 10th

City/State/Zip Great Bend, KS 67530

Purchaser: _____

Operator Contact Person: Steve Brackeen

Phone (316) 793-7824

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

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 OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

3-15-90 3-22-90 3-22-90
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,438-6000

County Ness

SW NW Sec. 29 Twp. 16S Rge. 23 X East West

3300 Ft. North from Southeast Corner of Section

4620 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

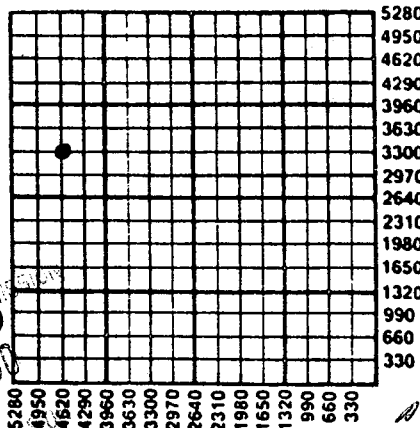
Lease Name Mishler Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 2502' KB 2507'

Total Depth 4600' PBDT _____



Amount of Surface Pipe Set and Cemented at 357.09 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ 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.

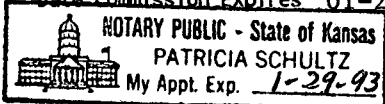
Signature Steve Brackeen

Title District Foreman Date 5-22-90

Subscribed and sworn to before me this 22nd day of May, 19 90.

Notary Public Patricia Schultz

Date Commission Expires 01-29-93



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)

ORIGINAL

SIDE TWO

Operator Name National Cooperative Refinery Association Lease Name Mishler Well # 1
 Sec. 29 Twp. 16S Rge. 23 East West
 County Ness

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 Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p align="center">Formation Description</p> <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name _____ Top _____ Bottom _____
SEE ATTACHMENTS	

CASING RECORD <input 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"	24#	357.09'	60/40 poz	235	2% gel, 3%cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size	Set At	Packer At				
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input 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	

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 _____

NCRA
Mishler No. 1
Section 29-T16S-R23W
Ness County, Kansas

<u>NAME</u>	<u>DEPTH</u>	<u>DATUM</u>
Anhydrite	1854'	(+ 653')
Base Anhydrite	1890'	(+ 617')
Heebner	3900'	(-1393')
Lansing	3942'	(-1435')
Base of Kansas City	4230'	(-1723')
Pawnee	4346'	(-1839')
Fort Scott	4432'	(-1925')
Cherokee Shale	4456'	(-1949')
Mississippian	4515'	(-2008')

DST NO. 1
CHEROKEE FORMATION
4482'-4522'

Testing Company: Trilobite Testing Co.
Testers Name: Carl Goff
Type of Test: Conventional

IO: 5 minutes - weak surface blow,
increasing to weak 2" blow.

ISI: 30 minutes

FO: 30 minutes - weak surface blow,
increasing to 2½" blow.

FSI: 120 minutes - No residual blow.

PRESSURES:

IHP 2308
IF 44-44 in 5 minutes
ISIP 1222 in 30 minutes
FF 44-77 in 30 minutes
FSIP 1288 in 120 minutes
FHP 2263

BOTTOM HOLE TEMPERATURE: 121° F.

RECOVERY:

Pipe: 90' of oil speckled slightly with
water cut mud. Rw = .754 at 55° F.

Sample Chamber: 4200 ML of fluid at 10 PSI.
2800 ML of mud, 1200 ML of
oil speckled muddy water.
Rw = .754 at 55° F,
10,500 ppm Cl.

Rw pit mud: 4,000 ppm Cl in mud.

RECEIVED
STATE COMMISSION
MAY 23 1990
CONSERVATION DIVISION
Wichita, Kansas



HALLIBURTON SERVICES

A Halliburton Company

INVOICE

INVOICE NO.	DATE
908195	03/15/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
SHLER 1		NESS		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
AYS		ABERCROMBIE	CEMENT SURFACE CASING		03/15/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
22920	GARY CLARK			COMPANY TRUCK	91965	

NATIONAL COOPERATIVE
REFINERY ASSOCIATION
6000 W. 10TH
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	13	MI	2.20	28.60
001-016	CEMENTING CASING	349	FT	414.60	414.60
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN	59.00	59.00
16A	CASING SHOE - 8 5/8" BRD THD.	1	EA	161.00	161.00
830.2171	INSERT FLOAT VALVE - 8 5/8" BRD	1	EA	171.00	171.00
24A	FILL-UP UNIT 7" - 8 5/8"	1	EA	29.00	29.00
815.19502	CENTRALIZER 8-5/8" MODEL S-4	1	EA	53.00	53.00
27	STANDARD CEMENT	141	SK	5.45	768.45
815.19419	POZMIX A	94	SK	2.88	270.72
40	HALLIBURTON-GEL 2%	4	SK	.00	N/C
807.93059	ANHYDROUS CALCIUM CHLORIDE	6	SK	26.25	157.50
504-308	BULK SERVICE CHARGE	247	CFT	.95	234.65
506-105	MILEAGE CMTG MAT DEL OR RETURN	137.085	TMI	.70	95.96

INVOICE SUBTOTAL

2,443.48

DISCOUNT-(BID)
INVOICE BID AMOUNT

488.69-
1,954.79

*-KANSAS STATE SALES TAX
*-HAYS CITY SALES TAX

66.00
7.75

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

2,028.54

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.