

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 Assoc 3300

Address 6000 WEST TENTH

Great Bend, Kansas 67530

City/State/Zip Denver, CO 80203

Purchaser: \_\_\_\_\_

Operator Contact Person: Steve Brackeen

Phone (316) 793-7824

Contractor: Name: Red Tiger Drilling

License: 5302

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 OWNED: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

- Mud Rotary     Air Rotary     Cable

12-26-89                      1-12-90                      1-13-90

Spud Date                      Date Reached TD                      Completion Date

API NO. 15- 151-21.968-00-00

County Pratt

C SE SW Sec. 18 Twp. 29 Rge. 11W X East West

660 Ft. North from Southeast Corner of Section

         Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

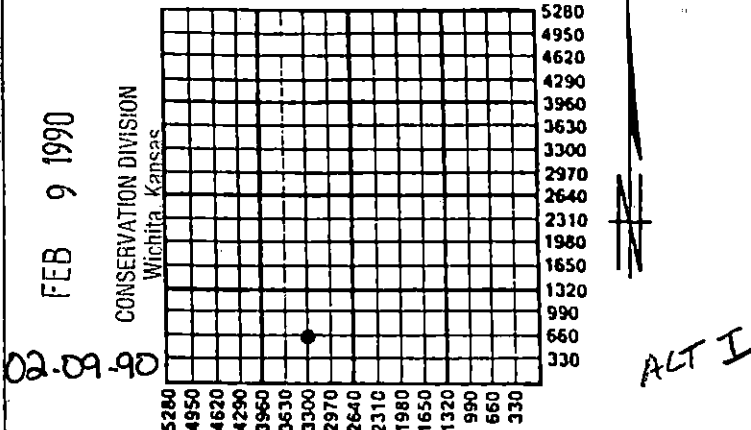
Lease Name Louise Well # 1

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 1853' KB 1858'

Total Depth 4725' PBDT \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 311 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.

RECEIVED  
STATE CORPORATION COMMISSION

02-09-90

ALT I

**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.

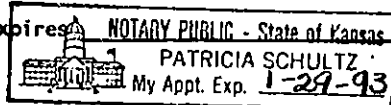
Signature Steve Brackeen

Title DISTRICT FOREMAN Date 2/1/90

Subscribed and sworn to before me this 1ST day of FEB, 19 90.

Notary Public Patricia Schultz

Date Commission Expires \_\_\_\_\_



**K.C.C. OFFICE USE ONLY**

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Timelog Received

KCC                       SWD/Rep                       NGPA

KGS                       Plug                       Other (Specify)

SIDE TWO

ORIGINAL

Operator Name National Cooperative Refinery Lease Name Louise Well # 1  
Assoc. County Pratt  
 Sec. 18 Twp. 29 Rge. 11W  
 East  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 ATTACHMENT

Formation Description  
 Log  Sample  
 Name: Top Bottom  
SEE ATTACHMENT

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	24#	311'	60/40 poz	285	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	
Size	Set At	Packer At		<input type="checkbox"/> Yes	<input type="checkbox"/> No

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  Other (Specify) \_\_\_\_\_  
 (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval: \_\_\_\_\_

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 CONSERVATION DIVISION  
 Wichita, Kansas

ORIGINAL

GEOLOGIST'S REPORT  
DRILLING TIME AND SAMPLE LOG

OPERATOR National Cooperative Refinery Assoc.  
LEASE Louise WELL NO. 1  
FIELD Wildcat  
LOCATION C SE SW  
SEC. 18 TWS. 29 S RNG. 11 W  
COUNTY Pratt STATE KANSAS

ELEVATIONS

KB 1858  
DF \_\_\_\_\_  
GL 1853

MEASUREMENTS ARE ALL  
FROM KB

CASING RECORD

SURFACE 8 3/4" at 311' KB  
1 1/2" 285' SW  
PRODUCTION N/A

ELECTRICAL SURVEYS

All as Wireline  
DIFL-GR  
EDLC-CN-GR-ML

CONTRACTOR Red Tiger Drllg Rtg #6  
COMM. 12/26/89 COMP. 1/12/90  
RTD 4725 LOG TO 4723  
SAMPLES SAVED FROM 1900 TO TD  
DRILLING TIME KEPT FROM 1800 TO TD  
SAMPLES EXAMINED FROM 1900 TO TD  
GEOLOGICAL SUPERVISION FROM 1900 TO TD  
MUD UP 2025 TYPE MUD Chemical  
WELL SITE GEOLOGIST Thomas Funk

FORMATION	LOG		SAMPLE		STRUCT. COMP.
	TOP	DATUM	TOP	DATUM	
Herrington	1968	(-110)	1959	(-101)	-14
Osage Sh	2724	(-866)	2721	(-863)	-11
Tapoka	3305	(-1447)	3300	(-1442)	-9
Heebner	3658	(-1800)	3657	(-1799)	+3
Brown Lime	3828	(-1970)	3826	(-1968)	+1
Lansing	3843	(-1985)	3842	(-1984)	±0
B/KC	4233	(-2375)	4233	(-2375)	+7
Miss Cong	4292	(-2434)	4290	(-2432)	+1
Kinderhook Sh	4338	(-2480)	4335	(-2477)	-6
Viola	4469	(-2611)	4469	(-2611)	±0
Simpson Sd	4560	(-2702)	4560	(-2702)	±0
DeBuckle	4662	(-2804)	4662	(-2804)	+3

REFERENCE WELL FOR STRUCTURAL COMPARISON Cities Service Oil #1 Blackwelder  
SE NE SE sec 18-29s-11 W, Pratt County, Kansas

DRILL STEM TESTS

NO.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	INH - FHM	RECOVERY
1	1981-2025	46-46 25"	426 # 30"	56-56 60"	665 # 180"	975-939 # Temp 90°F	60' mud
2	2713-2779	39-39 5"	49 # 30"	39-39 60"	89 # 180"	1234-1185 # Temp 98°F	10' mud
3	4111-4137	68-69 5"	1496 # 30"	98-226 30"	1506 # 120"	2117-1966 # Temp 115°F	186' GIP 60' GCW/Os (10% GAS) 60' GCMSW (80% H <sub>2</sub> O) 515' MCGSW (95% H <sub>2</sub> O) 435' TRM Fluid Chlorides: 37,000 ppm

RECEIVED  
STATE CORPORATION COMMISSION

FEB 9 1990

CONSERVATION DIVISION  
Wichita, Kansas

REMARKS & RECOMMENDATIONS: Based upon log and DST analysis as well as sample examination it was decided to plug & abandon the #1 Louise.

Thomas Funk  
Petroleum Geologist

Samples deposited at KGS Sample Library, Wichita, KS.

ORIGINAL  
INVOICE  
INVOICE



P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE NO.	DATE
851592	01/12/1990

A DIVISION OF HALLIBURTON COMPANY

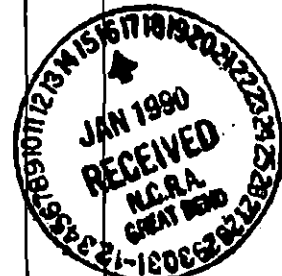
WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER		
WELL 1	PRATT	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	RED TIGER #6	PLUG TO ABANDON	01/12/1990		
ACT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
2920	TOM LARSON			COMPANY TRUCK	88840

ORIGINAL

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	U/M	UNIT PRICE	AMOUNT
00-117	ICING AREA - MID CONTINENT MILEAGE	23	MI	2.20	50.60 *
90-910	MISCELLANEOUS PUMPING JOB	1	UNT		
90-928	MISCELLANEOUS PUMP JOB-ADD HRS	2	HR	84.00	168.00 *
30-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	1	TRK		
04-308	STANDARD CEMENT	8 5/8	IN	59.00	59.00
06-105	POZMIX A	1	EA		
06-121	HALLIBURTON-GEL 2X	99	SK	5.35	529.65 *
07-277	HALLIBURTON-GEL BENTONITE	66	SK	2.79	184.14 *
00-207	BULK SERVICE CHARGE	3	SK	.00	N/C *
00-306	MILEAGE CMTG MAT DEL OR RETURN	6	SK	13.00	78.00 *
		165	CFT	.95	156.75 *
		172.97	TMI	.70	121.08 *
	INVOICE SUBTOTAL				1,717.22
	DISCOUNT-(BID)				343.43-
	INVOICE BID AMOUNT				1,373.79
	*-KANSAS STATE SALES TAX				56.38
	*-PRATT COUNTY SALES TAX				13.25
	APPROVED BY STEVE BRACKEEN SB DATE 1-17-90 AFE# 1-0-113				
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$1,443.42



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

RECEIVED  
 STATE OF KANSAS  
 COMMISSIONER OF GEORATION  
 WICHITA, KANSAS  
 JUN 29 1990

ORIGINAL

**GEOLOGIST'S REPORT  
DRILLING TIME AND SAMPLE LOG**

OPERATOR National Cooperative Refinery Assoc.  
 LE Louise WELL NO. 1  
 FIELD Wildcat 15-151-21,968  
 LOCATION C SE SW  
 SEC. 18 TWP. 29S RNG. 11W  
 COUNTY Pratt STATE KANSAS

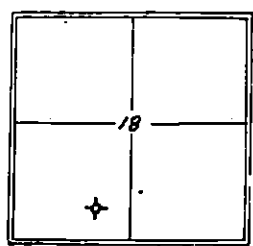
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 DRILLING TIME KEPT FROM 1800 TO TD  
 SAMPLES EXAMINED FROM 1900 TO TD  
 GEOLOGICAL SUPERVISION FROM 1900 TO TD  
 MUD UP 2025 TYPE MUD Chemical  
 WELL SITE GEOLOGIST Thomas Funk

CASING RECORD  
 SURFACE 8 3/8" at 311' KB  
W/285-xx  
 PRODUCTION N/A

ELECTRICAL SURVEYS  
Allas Wireline  
DIFL-GR  
ZDLC-CN-GR-ML

FORMATION	LOG		SAMPLE		STRUCT. COMP.
	TOP	DATUM	TOP	DATUM	
<u>Hardy</u>	<u>1968</u>	<u>(-110)</u>	<u>1959</u>	<u>(-10)</u>	<u>-14</u>
<u>Omaha Sh</u>	<u>2724</u>	<u>(-866)</u>	<u>2721</u>	<u>(-863)</u>	<u>-11</u>
<u>Tapoka</u>	<u>3305</u>	<u>(-1447)</u>	<u>3300</u>	<u>(-1442)</u>	<u>-9</u>
<u>Heebner</u>	<u>3658</u>	<u>(-1800)</u>	<u>3657</u>	<u>(-1799)</u>	<u>+3</u>
<u>Brown Lime</u>	<u>3828</u>	<u>(-1970)</u>	<u>3826</u>	<u>(-1968)</u>	<u>+1</u>
<u>Lansing</u>	<u>3843</u>	<u>(-1985)</u>	<u>3842</u>	<u>(-1984)</u>	<u>+0</u>
<u>B/KG</u>	<u>4233</u>	<u>(-2375)</u>	<u>4233</u>	<u>(-2375)</u>	<u>+7</u>
<u>Miss Cong</u>	<u>4292</u>	<u>(-2434)</u>	<u>4290</u>	<u>(-2432)</u>	<u>+1</u>
<u>Kinderhook Sh</u>	<u>4338</u>	<u>(-2480)</u>	<u>4335</u>	<u>(-2477)</u>	<u>-6</u>
<u>Viola</u>	<u>4469</u>	<u>(-2611)</u>	<u>4469</u>	<u>(-2611)</u>	<u>±0</u>
<u>Simpson Sd</u>	<u>4560</u>	<u>(-2702)</u>	<u>4560</u>	<u>(-2702)</u>	<u>±0</u>
<u>Arbuckle</u>	<u>4662</u>	<u>(-2804)</u>	<u>4662</u>	<u>(-2804)</u>	<u>+3</u>



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SE W 1/4 sec 18-29S-11W, Pratt County, Kansas

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 Petroleum Geologist

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