

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-101-20,131 -00-00

LEASE NAME Mumma

WELL NUMBER 1

 Ft. from S Section Line

 Ft. from E Section Line

SEC. 27 TWP. 17S RGE. 27W (K&C) or (W)

COUNTY Lane

Date Well Completed

Plugging Commenced 8-3-92

Plugging Completed 8-5-92

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

LEASE OPERATOR Northern Lights Oil Co. L.P.

ADDRESS P.O. Box 164 Andover, Kansas 67002

PHONE# (316) 733-1515 OPERATORS LICENSE NO. 5474

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on (date)

by Dan Goodrow (KCC District Agent's Name).

Is ACO-1 filed? If not, is well log attached?

Producing Formation Depth to Top Bottom T.D. 4629'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
				8 5/8"	341'	none
				5 1/2"	4434'	1325'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.
Sanded bottom to 4120' ran 5 sacks cements. Shot pipe @2021', 1605', 1325'.
Pumped 80 sacks @1300', 50 saack @350', pumped 10 sacks @40' 60/40 6% gel
circulated to surface.

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor KELSO CASING PULLING, INC. License No. 6050

Address P.O. Box 347 Chase, Kansas 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Northern Lights Oil Co. L.P.

STATE OF Kansas COUNTY OF Rice, ss.

R. Darrell Kelso (Employee of Operator) or

above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described as filed that the same are true and correct, so help me God.

(Signature) R. Darrell Kelso

(Address) P.O. Box 347 Chase, Kansas 67524

RECEIVED
STATE CORPORATION COMMISSION
AUG 11 1992
REGISTRATION DIVISION
Wichita, Kansas 67204

SUBSCRIBED AND SWORN TO before me this 10 day of August, 19 92

Jane Herzberg
Notary Public

My Commission Expires:
My Appt. Exp. Aug. 24, 1993

15-101-20131-00-00

GREAT GUNS

R. A. Guard Log

FILE NO.	COMPANY THUNDERBIRD DRILLING INC.			
	WELL MUMMA NO. 1			
	FIELD			
	COUNTY LANE		STATE KANSAS	
LOCATION: SW-NW-SW			OTHER SERVICES	
SEC. 27 TWP 17S RGE 27W				
Permanent Datum GROUND LEVEL Elev. 2693			Elevations: KB 2698	
Log Measured from KELLY BUSHING 5 Ft. Above Permanent Datum			DF 2696	
Drilling Measured from KELLY BUSHING			GL 2693	
Date 11-30-74	GAMMA	NEUTRON	GUARD	CALIPER
Run No.	ONE	ONE	ONE	ONE
Depth--Driller	4630	4630	4630	4630
Depth--Logger	4629	4629	4629	4629
Bottom Logged Interval	4620	4625	4624	4617
Top Logged Interval	00	00	3700	3700
Casing -- Driller	8 5/8 @ 365	@	@	@
Casing--Logger	7 7/8			
Rm Size				
Type Fluid in Hole	DRILG MUD			
Density and Viscosity	9.8	55		
pH and Fluid Loss	7.0	4.8 cc	cc	cc
Source of Sample	FLOW LINE			
Rm @ Meas. Temp.	.2 @75 °F	@	°F	@ °F
Rmf @ Meas. Temp.	.15 @75 °F	@	°F	@ °F
Rmc @ Meas. Temp.	.3 @75 °F	@	°F	@ °F
Source of Rmf and Rmc	CHART			
Rm @ BHT	.113 @116 °F	@	°F	@ °F
Time Since Circ.	2 HOURS			
Max. Rec. Temp. Deg. F	116 °F			°F
Equip. No. and Location	22 HAYS	STATE CORPORATION COMMISSION		
Recorded By	ROBBEN			
Witnessed By	MR. McCALEB			

RECEIVED
JUL 23 1992
CONSERVATION DIVISION
Wichita, Kansas