

RECEIVED

DEC 31 2001

**WELL PLUGGING APPLICATION FORM**

(PLEASE TYPE FORM and File ONE Copy)

15-153-05219-00-01  
KCC WICHITA

API # 4-12-60 Comp. Identifier number of this well). This must be listed for wells drilled since 1967; if no API# was issued, indicate spud or completion date.

WELL OPERATOR Murfin Drilling Co., Inc. KCC LICENSE # 30606  
(owner/company name) (operator's)

ADDRESS 250 N. Water, Suite 300 CITY Wichita

STATE Kansas ZIP CODE 67202 CONTACT PHONE # (316) 267-3241

LEASE Cahoj Texaco WELL# 2 SEC 4T. 1S R. 34W (East/West)

C SE SW SPOT LOCATION/QQQQ COUNTY Rawlins

660 FEET (in exact footage) FROM (S)N (circle one) LINE OF SECTION (NOT Lease Line)

3300 FEET (in exact footage) FROM (E)W (circle one) LINE OF SECTION (NOT Lease Line)

**Check One:** OIL WELL GAS WELL \_\_\_ D&A \_\_\_ SWD/ENHR WELL inj DOCKET# E166430002

CONDUCTOR CASING SIZE \_\_\_ SET AT \_\_\_ CEMENTED WITH \_\_\_ SACKS

SURFACE CASING SIZE 8 5/8 SET AT 367 CEMENTED WITH 300 SACKS

PRODUCTION CASING SIZE 5 1/2 SET AT 4334 CEMENTED WITH 250 SACKS

LIST (ALL) PERFORATIONS and BRIDGE PLUGS SET: 4004-41980A

ELEVATION 3097GL TD 4334 PBSD 4220 ANHYDRITE DEPTH  
(G.L./K.B.) (Stone Corral Formation)

CONDITION OF WELL: GOOD x POOR \_\_\_ CASING LEAK \_\_\_ JUNK IN HOLE

PROPOSED METHOD OF PLUGGING In accordance with the rules and regulations of the State of Kansas.

(If additional space is needed attach separate page)

IS WELL LOG ATTACHED TO THIS APPLICATION AS REQUIRED? yes IS ACO-1 FILED? no

If not explain why? Not provided by former operator

**PLUGGING OF THIS WELL WILL BE DONE IN ACCORDANCE WITH K.S.A. 55-101 et. seq. AND THE RULES AND REGULATIONS OF THE STATE CORPORATION COMMISSION.**

LIST NAME OF COMPANY REPRESENTATIVE AUTHORIZED TO BE IN CHARGE OF PLUGGING OPERATIONS:

John Turner Prod Supt. PHONE# (785) 462-6781

1040 Plains Ave.

ADDRESS P.O. Box 661 City/State Colby, KS 67701

PLUGGING CONTRACTOR Murfin Drilling Co., Inc. KCC LICENSE # 30606  
(company name) (contractor's)

ADDRESS 250 N. Water, Suite 300; Wichita, KS PHONE # (316) 267-3241

PROPOSED DATE AND HOUR OF PLUGGING (If Known?) Jan 2002

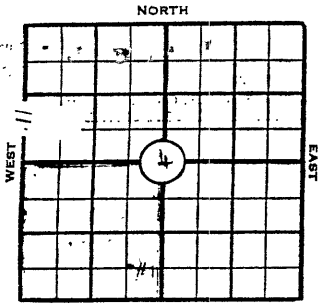
PAYMENT OF THE PLUGGING FEE (K.A.R. 82-3-118) WILL BE GUARANTEED BY OPERATOR OR AGENT.

DATE: 12/28/01 AUTHORIZED OPERATOR/AGENT: Barbara J. Dodson  
Barbara J. Dodson, Engineering Technician

Cahoy Unit # 2

# SKELLY OIL COMPANY

## Well Record



Lease Name and No. Kisling "A" Lease No. 65655 Well No. 1  
 Lease Description SW 1/4 of Section 4-13-34W, C.S.E. SW  
Rawlins County, Kansas (160 acres).

Location Staked March 28, 19 60 by Powers Elevation Company  
1980 feet from West line 660 feet from South line  
 of Section 4

Elev. K.B. 3102'  
 D.F. 3099'  
 Elev. G.L. 3097'

Drilling Contractor Claude Wentworth Drilling Company, Inc.

Work Com'd. March 28, 19 60 Drilling Com'd. April 2, 19 60 Reached Total Depth April 12, 19 60

Rotary Drilling from Surface to 4334' Cable Tool Drilling from \_\_\_\_\_ to \_\_\_\_\_

Well Completed May 2, 19 60 Total Depth 4334' P.B.T.D. 4180'

Initial Completion Test May 16, 19 60 Pumped 8 hours, 18-43" SPM, for 63.70 barrels  
of oil and no water.  
191 BOPD

Pressures: F.C.P. \_\_\_\_\_ F.T.P. \_\_\_\_\_ S.I.C.P. \_\_\_\_\_ S.I.T.P. \_\_\_\_\_

### PRODUCING FROM

<u>LANSING</u>	thru <u>OPEN HOLE PERFORATIONS</u>	<u>4149'</u>	<u>4166'</u>	Total No. Shots <u>30</u>
FORMATION		TOP	BOTTOM	
FORMATION	thru <u>OPEN HOLE PERFORATIONS</u>	TOP	BOTTOM	Total No. Shots _____
FORMATION	thru <u>OPEN HOLE PERFORATIONS</u>	TOP	BOTTOM	Total No. Shots _____

### CASING RECORD

STRINGS	OD SIZE	WHERE SET (Depth)	CEMENTING RECORD		All Measurements were taken from top of: Kelly Bushings which is _____ ft. from top of surface casing. <u>FLY</u> Collar
			Sacks Used	Top Cem. B.P. Ctg.	
Surface	<u>8-5/8"</u>	<u>367'</u>	<u>300</u>	<u>Surface</u>	
Intermediate Production	<u>5-1/2"</u>	<u>4334'</u>	<u>250</u>	<u>2741'</u>	
Liner					Top Liner: _____

OD	Wp.	Thds.	Kind	Cond.	LEFT IN				PULLED OUT				
					Jts.	Feet	In.	Feet	In.	Jts.	Feet	In.	Feet
<u>8-5/8"</u>	<u>22.7</u>	<u>SJ</u>	<u>Araco SWJ</u>	<u>A</u>	<u>9</u>	<u>360</u>	<u>0</u>	<u>360</u>	<u>0</u>				
<u>5 1/2"</u>	<u>15.5</u>	<u>8rd</u>	<u>SS J-55 RMC</u>	<u>C</u>	<u>105</u>	<u>4327</u>	<u>0</u>	<u>4327</u>	<u>0</u>				

RECEIVED  
 DEC 31 2001  
 KCC WICHITA

### SIGNIFICANT GEOLOGICAL FORMATIONS

Source NAME	TOP	BOTTOM	GAS		OIL		REMARKS
			FROM	TO	FROM	TO	
<u>Niobrara</u>	<u>1137</u>						
<u>Carlile</u>	<u>1574</u>						
<u>Dakota</u>	<u>1869</u>						
<u>Council Grove</u>	<u>3360</u>						
<u>Admire</u>	<u>3629</u>						
<u>Topoka</u>	<u>3792</u>						
<u>Osage</u>	<u>3880</u>						
<u>LANSING</u>	<u>3993</u>				<u>4149</u>	<u>4152</u>	<u>Effective Pay by Microlog</u>
					<u>4164</u>	<u>4166</u>	<u>Effective Pay by Microlog</u>
<u>Marston</u>	<u>4291</u>						

### TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT
<u>4-28-60</u>	<u>Acid</u>	<u>4230' - 4233'</u>	<u>250 Gallons of Dowell #38 Acid.</u>
<u>5-1-60</u>	<u>Acid</u>	<u>4149' - 4166'</u>	<u>250 Gallons of Dowell #38 Acid.</u>

### WORKOVER RECORD

TYPE WORK	DATE COM'D.	DATE COMP.	Plugged back or Disposed		PROD. BEFORE	PROD. AFTER
			FROM	TO		

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Top Soil and Shale	Surface	372'	Spudded at 8:30 P.M., April 2, 1960. Drilled 12" hole to 372'. Ran 2 joints of 8-5/8" OD Surface casing set at 367' with 300 sacks of regular cement, 2% calcium chloride. Cement circulated to surface.
Shale	371'	1137'	Topped Niobrara at 1137'
Niobrara and Shale	1137'	1700'	Topped Fort Hays at 1175'
			Topped Ogallala Shale at 1574'
Lime and Shale	1700'	1865'	Topped Greenhorn at 1747'
Sand and Shale	1865'	2290'	Topped Dakota at 1869'
Lime and Shale	2290'	3391'	Stack drill pipe at 3213'. Spotted 50 barrels of oil and worked pipe free. Topped Morrison at 2490'
			Topped Permian at 2686'
			Topped Stone Corral at 2903'
			Topped Council Grove at 3350'
Shale and Pyrite	3391'	3595'	
Lime and Shale	3595'	4237'	Topped Adair at 3529'
			Topped Topeka at 3792'
			Topped Oread at 3880'
			Topped Lansing at 4293'
Lime	4237'	4334'	Topped Marmon at 4291'
TOTAL DEPTH		4334'	Reached total depth April 12, 1960.

Ran Schlumberger Induction-Electrical Survey and Microlog to 4334'.

FORMATION TEST NO. 1 AT 4237' (LANING "K" ZONE)  
Ran Schlumberger Formation Tester on logging cable and set at 4237'. Tool open 60 minutes.  
Recovered 350 cc formation water, 1000 cc filtrate water, no oil. IRIP 1400#/35 minutes.  
FIP 1400#/35 minutes. Hydrostatic pressure 2120#. Calculated potential 1.12 barrels fluid  
per hour.

FORMATION TEST NO. 2 AT 4192' (LANING "K" ZONE)  
Ran Schlumberger Formation Tester on logging cable and set at 4192'. Tool open 60 minutes.  
Recovered 200 cc oil, 600 cc formation water, and 3000 cc filtrate water. IRIP 1200#/20 minutes.  
FIP 1065#/20 minutes. Calculated potential 1.34 barrels fluid per hour (50% oil).

FORMATION TEST NO. 3 AT 4151' (LANING "K" ZONE)  
Ran Schlumberger Formation Tester on logging cable and set at 4151'. Tool open 5 minutes.  
Recovered 50 cc mud, no oil. IRIP 795#/90 minutes. FIP 0#/90 minutes.

FORMATION TEST NO. 4 AT 3882' (OREAD)  
Ran Schlumberger Formation Tester on logging cable and set at 3882'. Tool open 10 minutes.  
Recovered 5 cc formation water, 70 cc filtrate water, no oil or gas. IRIP 1220#/38 minutes.  
FIP 50#/15 minutes. Hydrostatic pressure 1900#.

Ran 145 joints of 5 1/2" OD 15.5# Bnd S J-55 R-2 RT&C "C" condition casing set at 4334' with  
250 sacks of regular cement, 4% calcium chloride. Plug down at 8:30 P.M., April 14, 1960.

April 27, 1960 - Moved in Claude Wentworth Drilling Company's cable tools.  
Swabbed and bailed 5 1/2" OD casing dry and tested 2 hours for no leaks. Ran Lane-wells  
correlation log to 4301'.

PERFORATION JOB NO. 1 - 4230'-4233' "K" zone  
Perforated 5 1/2" OD casing with 6 Lane-wells Series "E" bullets per foot as follows:  
4230' - 4233' - (3') - 18 shots (Laning "K" Zone)  
Tested 2 hours with bailer for no shows.

TREATMENT NO. 1 - (ACID) - 4230'-4233'  
Well treated down casing through perforations 4230'-4233' with 250 gallons of Dowell #30  
acid. Maximum pump pressure 300#, minimum 300#. Pressure had bled off to 100# in 5 minutes  
after job was completed. Injection rate was 4 gallons per minute.  
After recovering lost oil, swabbed 5 1/2" OD casing 4 hours for 7 barrels of salt water with a  
trace of oil.

Swabbed 5 1/2" OD casing 4 hours from the Lansing "K" zone for 9 barrels of salt water with a  
trace of oil.

Ran Lane-wells cast iron bridge plug on wire line set at 4220'. Dry tested 2 hours, plug  
set.

RECEIVED  
DEC 31 2001  
KCC WICHITA

PERFORATION JOB NO. 3 - 4195' - 4198': J Zone.

Perforated 5 1/2" OD casing with 6 Lane-wells series "E" bullets per foot as follows:

4195' - 4198' - (3') - 18 shots (Lansing "J" Zone)

Swabbed 5 1/2" OD casing 6 hours for 19 barrels of salt water with a trace of oil.

Ran Lane-wells cast iron bridge plug on wire line set at 4180'.

PLUGGET BACK TOTAL DEPTH 4180':

Dry tested 2 hours, plug holding okay.

PERFORATION JOB NO. 4 - 4149' - 4166':

Perforated 5 1/2" OD casing with 6 Lane-wells series "E" bullets per foot as follows:

4149' - 4152' - (3') - 18 shots (Lansing "H" Zone)

4164' - 4166' - (2') - 12 shots (Lansing "I" Zone)

TOTAL - (5') - 30 shots

Tested 2 hours with bailer for no show.

TREATMENT NO. 2 - (ACID) - 4149'-4166':

Dowell treated down casing through perforations 4149'-4166' with 250 gallons of Dowell M-38 acid. Maximum pump pressure 200#. Injection rate .1 barrel per minute. Casing went on vacuum 2 minutes after job was completed.

After recovering load oil, swabbed 5 1/2" OD casing 11 hours for 24 1/2 barrels of new oil and 2.4 barrels of salt water.

Ran 133 joints of 2-3/8" OE 4.7# EUE 8rd. SS J-55 R-2 "C" condition tubing set at 4173'. Tubing perforations were from 4139'-4147' and seating nipple was set at 4138'. Ran a 2" x 1-3/4" x 9' O'Bannon tubing type pump set at 4138'.

Ran 164 - 3/4" x 25' Jones Type "A" condition sucker rods with a 1-3/4" x 48" chrome plunger.

Pumped 16 hours, 14-54" SPM, for 133 barrels of oil and no water.

Pumped 24 hours, 14-54" SPM, for 188 barrels of oil and no water.

May 16, 1960 - Pumped 8 hours, 18-48" SPM, for 63.70 barrels of oil and no water (to establish 24 hour calculated potential of 191 barrels of oil and no water). Corrected gravity 34.4°.

SLOPE TEST DATA:

371' - 1/4°  
 3182' - 3 1/4°  
 3800' - 3 1/2°

RECEIVED  
 DEC 31 2001  
 KCC WICHITA

# SUPPLEMENTAL WELL RECORD N 1

COMPLETE DESCRIPTION OF CLEANING OUT, DEEPENING, PLUG BACK, FISHING JOBS, SHOOTING, ACIDIZING, CHANGES IN CASING, INSTALL ARTIFICIAL LIFT, MATERIAL LOST IN HOLE — NOT RECORDED ON ORIGINAL RECORD.

LEASE NAME Cahoj Unit TITLE NO. 317079-00 A.F.E. NO. 2-30601 WELL NO. 2

BRIEF DESCRIPTION OF JOB: Convert Well to water injection

COMMENCED 6-19-78 COMPLETED 6-23-78 DATE BACK ON PRODUCTION Injection 7-18-78 4334' TD

CLEANED OUT — PLUGGED BACK — DEEPENED: FROM \_\_\_\_\_ TO \_\_\_\_\_ TOTAL DEPTH 4220' PBD

MEASUREMENTS TAKEN FROM \_\_\_\_\_ ELEVATION 3097' GL

CONTRACTOR COMPANY TOOLS } D & L Well Service KIND OF TOOLS Double Drum

PRODUCTION: BEFORE NIO BBLs. OIL \_\_\_\_\_ BBLs. WATER: AFTER Inj. BBLs. OIL 200 BBLs. WATER \_\_\_\_\_

### CHANGE IN CASING — LINER — TUBING RECORD

O.D. SIZE	WEIGHT	THRD.	GRADE	RANGE	SMLS.-LPWLD. ETC.	NEW S.H.	SET AT	AMOUNT RUN OVERALL TALLY FEET	PULLED OVERALL TALLY FEET	CEMENTING RECORD	
										NO. SACKS	KIND OF CEMENT
2-3/8"		8R	J-55		EUE Duolined	New	3973'	3973'			

### CASING PERFORATIONS — CASING CUT OUT — PACKER SETTING RECORD

FROM	TO	HOLES		METHOD OR DESCRIPTION
		NO.	SIZE	
4004'	4009'	20		Super Dyna-jets - 4/ft.
4047'	4054'	28		" " " "

RECEIVED

DEC 31 2001

### INJECTION PRODUCTION FORMATION AFTER COMPLETION OF JOB

NAME OF FORMATION	FROM	TO	STATE WHETHER PREVIOUSLY PRODUCING OR NEW PAY
Lansing "A" zone	4004	4009	Injection zone
" " "D" "	4047	4054	" "

WICHITA

### SHOT OR ACIDIZING RECORD

DATE	KIND	QTS.-GALS.	FROM	TO	SERVICE COMPANY	REMARKS — CASING OR HOLE DAMAGED
6-21-78	15%	500	4004'	4009'	Halliburton	
"	"	"	4047'	4054'	"	

### PRODUCTION TEST DATA

DATE	SIZE CHOKE OR TUBING	FLOWING PRESSURE		TIME		BARRELS OIL-COND.	GAS/OIL RATIO OR M.C.F. GAS	BBLs. OR % B.S.-WATER	METHOD OF PRODUCING	NAME OF PAY
		TUBING	CASING	HRS.	MIN.					

NEW 24-HR. POTENTIAL \_\_\_\_\_ BBLs. DATE EFFECTIVE \_\_\_\_\_ NAME OF PAY \_\_\_\_\_

NEW 24-HR. POTENTIAL \_\_\_\_\_ BBLs. DATE EFFECTIVE \_\_\_\_\_ NAME OF PAY \_\_\_\_\_

REMARKS: (DESCRIPTION OF WORK AND OTHER ITEMS OF IMPORTANCE) Moved in D & L Well Service; ran sand line drill and tagged at 4173'. Rigged up Welex and checked PBD at 4173'. Perforated "A" zone 4004'-4009' and "D" zone 4047'-4054'. Ran sand line drill to 4178' and recovered part of 2-3/8" collar, slips and feeler wires from initial perforating job.

Ran washover mill shoe and wash pipe. Milled bridge plug loose at 4180' and pushed to BP at 4220'. (New PBID). Ran Halliburton RBP and RTTS; set RBP at 3985' and RTTS at 3970'. Tested to 1500#. Re-set RBP at 4095' and RTTS at 4030'. Acidized "D" zone 4047'-4054' with 500 gal. 15%. Treated at 1500 psi requiring 2 hours to displace. Re-set RBP at 4025' and RTTS at 3994



## *Kansas Corporation Commission*

*Bill Graves, Governor John Wine, Chair Cynthia L. Claus, Commissioner Brian J. Moline, Commissioner*

### **NOTICE OF RECEIPT OF WELL PLUGGING APPLICATION (CP-1)**

Murfin Drilling Co., Inc.  
250 N. Water, Ste 300  
Wichita, KS 67202

February 11, 2002

Re: CAHOJ TEXACO #2  
API 15-153-05219-00-01  
CSESW 4-1S-34W, 660 FSL 3300 FEL  
RAWLINS COUNTY, KANSAS

Dear Operator:

This letter is to notify you that the Conservation Division is in receipt of your plugging proposal, form CP-1, for the above-captioned well.

Your CP-1 has been reviewed by the Conservation Division central office for completeness and to verify license numbers. The plugging proposal will now be forwarded to the district office listed below for review of your proposed method of plugging.

**Please contact the district office for approval of your proposed plugging method at least five (5) days before plugging the well, pursuant to K.A.R. 82-3-113 (b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit.**

The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well.

**This notice in no way constitutes authorization to plug the above-captioned well by persons not having legal rights of ownership or interest in the well. This notice is void after ninety (90) days from the above date.**

District: #4  
2301 E. 13th  
Hays, KS 67601  
(785) 625-0550

Sincerely,

A handwritten signature in cursive script, appearing to read "David P. Williams".

David P. Williams  
Production Supervisor