(Form C-102)
(Revised 7/1/52)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE

MISCELLANEOUS NOTICES

1957 MAR 13 AM 7:43

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

Notice of Intention to Change Plans		Notice of Intention to Temporarily Abandon Well		Notice of Intention to Drill Deeper	
Notice of Intention to Plug Well	X	Notice of Intention to Plug Back		Notice of Intention to Set Liner	
Notice of Intention to Squeeze		Notice of Intention to Acidize		Notice of Intention to Shoot (Nitro)	
Notice of Intention to Gun Perforate		Notice of Intention (Other)		Notice of Intention (Other)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Midland, Texas (Place) March 11, 1957 (Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Husky Oil Company Texas State "A" (Company or Operator) Well No. 1 in (Unit)

N.W.¼ N.E.¼ (40-acre Subdivision) of Sec. 16, T. 20-S, R. 32-E, NMPM., Halfway Pool

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

SEE ATTACHED PAGES

Approved MAR 14 1957, 19
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By E. Fischer

Title PETROLEUM ENGINEER

E. S. FISCHER

Husky Oil Company
Company or Operator

By W. A. Cleary

Position District Engineer
Send Communications regarding well to:

Name Husky Oil Company

Address 900 V & J Tower
Midland, Texas

This is a continuation of the attempt to plug the above well. The plugging procedure as set out in the C-102 dated December 21, 1956 failed to produce the desired results and the foregoing is now submitted for your consideration and approval.

Present Condition of Well:

Completed as producer 9-28-40 for 48 B.O.P.D and no water.
T. D. 2505
8 5/8" Casing at 901' 9" Cemented w/50 sx.
5 1/2" Casing at 2494' Cemented w/150 sx.
Top Pay - 2503'
Top Salt - 875'
Bottom Salt - 2145'
Top Potash - 1100'
Base Potash - 1980'

The 5 1/2" casing is apparently parted at approximately 1300' and at present there is a 2" EUE tubing fish from 1300' to T.D. This tubing was run in the hole in an attempt to cement the lower part of the hole from 2505 back to 1300'. After cementing the first stage (2505' to 1300') with 150 sx cement; the tubing was then pulled up for the second stage of cement from 1300' back to the surface and after pulling 43 joints it was found there had been left in the hole some 1300' of tubing. Forty one joints of tubing were then run back into the hole for second stage. On this and 4 additional stages the following materials were pumped into the hole.

1-29-57	Stage No. 2	200 sx. regular cement w/18# salt per sack.
1-30-57	Stage No. 3	150 sx. regular cement w/18# salt and ¼# Flocele per sack.
1-30-57	Stage No. 4	150 sx. regular cement w/¼# Flocele per sack and 2% calcuim chloride.
1-31-57	Stage No. 5	Mixed 5 sacks of Jelflake and 5 sacks of Fibertex in 2 batches of 16 bbls each and pumped in hole.
1-31-57	Stage No. 6	25 sx. regular cement w/¼# Flocele, 2# Tuff Plug per sx. & 26 cuf. ft. Stratu-Crete #6, plus 4% calcium chloride & 2% gel.

On finishing pumping in Stage No. 6 it was found that a vaccuum still existed to the extent that it would take water off of the Halliburton truck at approximately 2 bbls per min. The tubing was then pulled ~~from~~ and the operation was suppended, by mutual agreement among the Oil Conservation Commission, Potash owners and Husky Oil Company.

Proposed Plugging Program:

Since it is apparent that cement is not readily adaptible to plugging this well economically it is proposed to use a hot blown asphalt for plugging. The specifications for this type asphalt are given below.

Melting point - 210° F.
Min. Pouring Point - 400° F
Penetration at 32° F - 7 Cm.
Penetration at 70° F - 13 Cm.
Penetration at 115° F - 37 Cm.
Ductility at 77° F W/ 5 Cm./min. pull - 0-2 Cm.
Viscosity at 350° F - 300 sec. Furol

It is proposed to transport approximately 350 to 400 bbls of this hot asphalt from Cosden Refining Company's plant at Big Spring, Texas in an insulated truck to the Texas State A No. 1. While the material is above the pour point of 400° F the asphalt will be pumped into the well thru a swedge nipple screwed into the 5½" casing. Pumping of the asphalt will continue until the casing is full and pressures up or until all the asphalt is pumped in. The asphalt should begin to harden to a non-pumpable viscosity in about 45 min. This should allow adequate time for the material to reach bottom assuming the material is being pumped at 3 to 4 bbl per min. When the asphalt hardens it will afford a permanant plug from the bottom to the top of the hole which will be impermeable and will afford lasting protection against movement of water, oil or gas through the 5½" Casing. A sufficient volume of asphalt will be used to fill the hole approximately 5 times its capacity.

It might be noted that this type material has been used successfully in West Texas and Wyoming in combating lost circulation in drilling wells and also in plugging old producing wells.

None of the 5½" or 8 5/8" casing will be recovered. All surface equipment will be removed from lease and some cleaned up. A marker will be left at the well site.

A date for the plugging has not been set but if the plan is approved you will be notified in adequate time in order that you might have a representative present at the plugging operation.