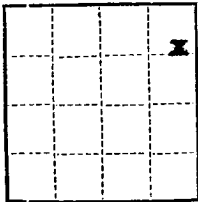


Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Santa Fe
Lease No. USA-078108
Unit A



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<u>X</u>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<u>27 1959</u>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

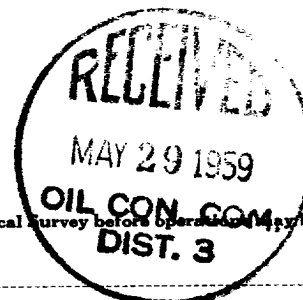
Well No. 1 is located 990 ft. from [N] line and 990 ft. from [E] line of sec. 6
NE 1/4 of NE 1/4 Sec. 6 29E 11E N.M.P.M.
(1/4 Sec. and Sec. No.) (Range) (Meridian)
Undesignated Sa. Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5383 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The well was spudded 3:30 P.M. 5-2-59. Drilled 12-1/4" hole to 258', ran 2-5/8", 24#, J-55 casing and set at 252' cemented with 200 sacks of neat cement. Cement circulated to surface. WOC 24 hrs. Tested casing to 1000' for 30 min. Drilled 7-7/8" hole to 5680'. Ran and cemented 5-1/2", 14#, J-55 casing at 5680' with 300 sacks Pozalex cement. Top of cement in Annuls 4025' by temperature survey. WOC 48 hrs. Test casing and BOP to 1500' for 30 min. Casing complete.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sunray Mid-Continent Oil Company
Address Room 166, Petroleum Center Building
Farmington
New Mexico
By H. M. Stierwalt
Title Engineer

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
1155 EAST 58TH STREET, CHICAGO, ILL. 60637
TEL. 773-835-3100

TO: THE DIRECTOR, NATIONAL BUREAU OF STANDARDS
WASHINGTON, D. C. 20535
FROM: DR. J. H. DILLON, JR.
CHICAGO, ILL. 60637
SUBJECT: 100% CRYSTALLINE POLYETHYLENE
CATIONIC POLYMERIZATION OF ETHYLENE
CATALYZED BY ZIRCONIUM COMPOUNDS
IN THE PRESENCE OF A METAL HALIDE
CO-CATALYST

Enclosed for the Bureau are two copies of a manuscript for publication in the JOURNAL OF POLYMER SCIENCE, PART A-1, Vol. 10, No. 1, 1972.

The manuscript is entitled "Cationic Polymerization of Ethylene Catalyzed by Zirconium Compounds in the Presence of a Metal Halide Co-catalyst". It describes the results of a study of the cationic polymerization of ethylene catalyzed by zirconium compounds in the presence of a metal halide co-catalyst. The study was conducted at the University of Chicago, Department of Chemistry, 1155 East 58th Street, Chicago, Illinois 60637.

