

NEW MEXICO OIL CONSERVATION COMMISSION  
APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOLForm C-109  
Adopted 9-1-66NOTE: This form is to be filed and attachments made in accordance with the provisions of Rule 509.  
If discovery is claimed for more than one zone, separate forms must be filed for each.

Operator <b>REFINERS PETROLEUM CORP.</b>		Address <b>900 Bank of New Mexico Building, Albuquerque, NM</b>	
Lease Name <b>Cuba Union</b>		Well No. <b>1</b>	County <b>Sandoval County, New Mexico</b>
Well Location Unit Letter <b>A</b> ; <b>990'</b> Feet from The <b>North</b> Line and <b>990</b> Feet From the <b>East</b> Line of Section <b>25</b> , Township <b>22 North</b> , Range <b>3 West</b> , NMPM			
Suggested Pool Names (List in order of preference) 1. <b>Cuba Dakota</b> 2. <b>Cuba Graneros</b> 3.			
Name of Producing Formation <b>Graneros Dakota</b>		Perforations <b>6878' - 6914'</b>	Date of Filing Form C-104 <b>October 9, 1970</b>
Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? <b>No</b>		If Yes, Give Date of Filing	Date Well was Spudded <b>August 28, 1970</b>
Date Compl. Ready to Prod. <b>October 8, 1970</b>			
Total Depth <b>7189'</b>	Plugged Back Depth <b>7040'</b>	Depth Casing Shoe <b>7186'</b>	Tubing Depth <b>6904'</b>
Elevation (Gr., DF, RKB, RT, etc.) <b>7349' Gr</b>			
Oil Well Potential (Test to be taken only after all load oil has been recovered) <b>387</b> Bbls, Oil Per Day Based On <b>387</b> Bbls In <b>24</b> Hours; <b>54</b> Bbls Water Per Day Based On <b>54</b> Bbls <b>Swab &amp;</b> In <b>24</b> Hours; Gas Production During Test: <b>TSTM</b> MCF; Gas-Oil Ratio: Method Of Producing: <b>Flow</b> Chk. Size <b>2"</b>			

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

Pool Name <b>Ballard Pictured Cliffs</b>	Name of Producing Formation <b>Pictured Cliffs</b>	Top of Pay <b>2729'</b>	Bottom of Pay <b>2753'</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool <b>3½ miles</b>		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool <b>4125'</b>		

NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only):

Pool Name <b>Basin Dakota Gas Field</b>	Top of Pay <b>6906'</b>	Bottom of Pay <b>7136'</b>	Currently Producing? <b>Yes - Gas Well</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool <b>4 miles northwest</b>			

Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? <b>Yes</b>	If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County <b>Skelly #1 Jicarilla E, 990' fml, 990' fel Sec 8-T22N-R5W - 5823'</b>
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Is the Subject Well Multiple Completion? <b>No</b>	Is Discovery Allowable Requested for other Zone(s)?	If Yes, Name all Such Formations
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LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

NAME	ADDRESS
<b>Union Oil Company of California</b>	<b>P. O. Box 3372, Durango, Colorado 81301</b>
<b>Pan American Petroleum Corporation</b>	<b>Security Life Building, Denver, Colorado 80202</b>

Attach evidence that all of the above operators have been furnished a copy of this application. Any of said operators who intends to object to the designation of the subject well as a discovery well, eligible to receive a discovery allowable, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing within ten days after receiving a copy of this application.

Remarks:

**No Cross Section Attached due to lack of nearby wells. Electric Log on No. 1 Cuba Union and map attached.**

## CERTIFICATION

I hereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been complied with, with respect to the subject well, and that it is my opinion that a bona fide discovery of a hitherto unknown common source of oil supply has been made in said well. I further certify that the discovery allowable for the subject well, if authorized, will be produced from the subject zone in this well only. Further, that the information given herein and attached hereto is true and complete to the best of my knowledge and belief.

W. P. R. R. Consulting Geologist October 20, 1970  
Signature Position Date