



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA

88210

August 7, 1975

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

Mesa Petroleum Company
904 Gihls Tower West
Midland, Texas 79701

ATTENTION: MR. ROBERT H. NORTHINGTON

Re: Nash Unit #2
1350'FNL & 1980'FWL
Sec. 18-23-30, Eddy
County, New Mexico

Gentlemen:

We hereby acknowledge receipt of Forms C-101 Notice of Intention to Drill and Form C-102 Well Location and Acreage Dedication Plat on the subject well.

Said well is located on a Federal Lease, therefore we are forwarding the above forms to the U.S.G.S. Office, Drawer U, Artesia. Said Intention to Drill should be re-submitted on the proper Federal Forms.

Further, to date this office has no record of approval of the non-standard location.

If you have any questions concerning this matter please feel free to call upon me.

Sincerely yours,

OIL CONSERVATION COMMISSION

W. A. Gressett
Supervisor, District II

WAG:jw

Xc: Mr. Joe D. Ramey

Registered Mail
Return Receipt

August 6, 1975



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O. C. C.
ARTESIA, OFFICE

New Mexico Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

Attention: W. A. Gressett, Supervisor

Re: #2 Nash Unit, 14,000' Morrow Test
1350' FNL & 1980' FWL
Section 18-23S-30E
Eddy County, New Mexico

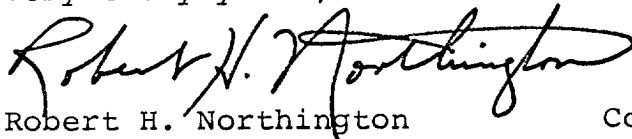
Mesa OP 10-0553-2

Gentlemen:

Mesa Petroleum Co., as operator of the Nash Unit, hereby applies for a permit to drill the captioned well. Ten copies each of N.M.O.C.C. Form C-101 and Form C-102 are enclosed for your consideration and distribution. In compliance with N.M.O.C.C. order #R-111 we have this date mailed (registered mail, return receipt) copies of these forms to each of the operators who hold potash leases within a radius of one mile of the captioned well. According to information reflected by plats furnished under Article IX, Paragraph (3) of order #R-111 and information obtained from State and Federal records in Santa Fe, the only potash operators within one mile of the captioned location are Leland A. Hodges, Trustee and International Minerals and Chemical Corporation.

The #2 Nash Unit will be the second test well drilled on the State and Federal Approved Nash Unit Area (14-08-0001-14168). We respectfully request your prompt and favorable consideration of the enclosed application, and if additional information in this regard is required please advise.

Very truly yours,


Robert H. Northington

RHN:hh

Enclosures

Copies: Leland A. Hodges, Trustee
International Minerals and
Chemical Corporation
Supervisor, USGS, Roswell
Commissioner of Public Lands
Nash Unit Partners

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

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O. C. C.
ARTESIA, OFFICEForm C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

NM 0556857

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name Nash Unit
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Farm or Lease Name Nash Unit
2. Name of Operator Mesa Petroleum Co.		9. Well No. 2
3. Address of Operator 904 Gihls Tower West, Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated Morrow
4. Location of Well UNIT LETTER F LOCATED 1350 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 18 TWP. 23S RGE. 30E NMPM		12. County Eddy
19. Proposed Depth 14,000'		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DP, RI, etc.) 3039 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor McVay
22. Approx. Date Work will start October 1, 1975		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48	300	350	Circ. to surf.
12 1/4	9 5/8	36	3400	1000	Circ. to surf.
8 3/4	7	23-26	11,100	1800	Circ. to surf.
6	4 1/2	13.5	14,000	325	Top of liner.

Surface hole will be drilled to 300' without BOP's. Below the surface casing, 12" API 3000 psi BOP's will be used to casing shoe depth at 3400'. Salt brine will be used to drill this portion of the hole to prevent unnecessary hole enlargement. After the 9 5/8" casing is set, 10" API 5000 psi BOP's will be used to total depth. Controlled polymer brine mud will be used to drill to total depth. Maximum mud weight required to overbalance formation pressure is anticipated to be 12.2 PPG at approximately 12,100' based on experience gained while drilling the immediate offset well (Nash Unit # 1- located in Section 13, T23S, R29E). BOP's will be throughly tested before penetrating this abnormally pressured section, also 7" casing will have been set at approximately 11,100'. Cement will be circulated to the surface behind the 7" casing, using necessary DV tools.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Michael P. Houston Title Division Engineer Date August 6, 1975

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

1. The proposed program shall be carried out in accordance with the rules and regulations of the New Mexico Oil Conservation Commission.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-104
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Mesa Petroleum Company		Lease Nash Unit		Well No. 2	
F	18	23 South	30 East	Eddy	
Type Location of Well					
1350	feet from the North	1980	feet from the West		
3039	Producing Form Unit	Wildcat	320	N ₂	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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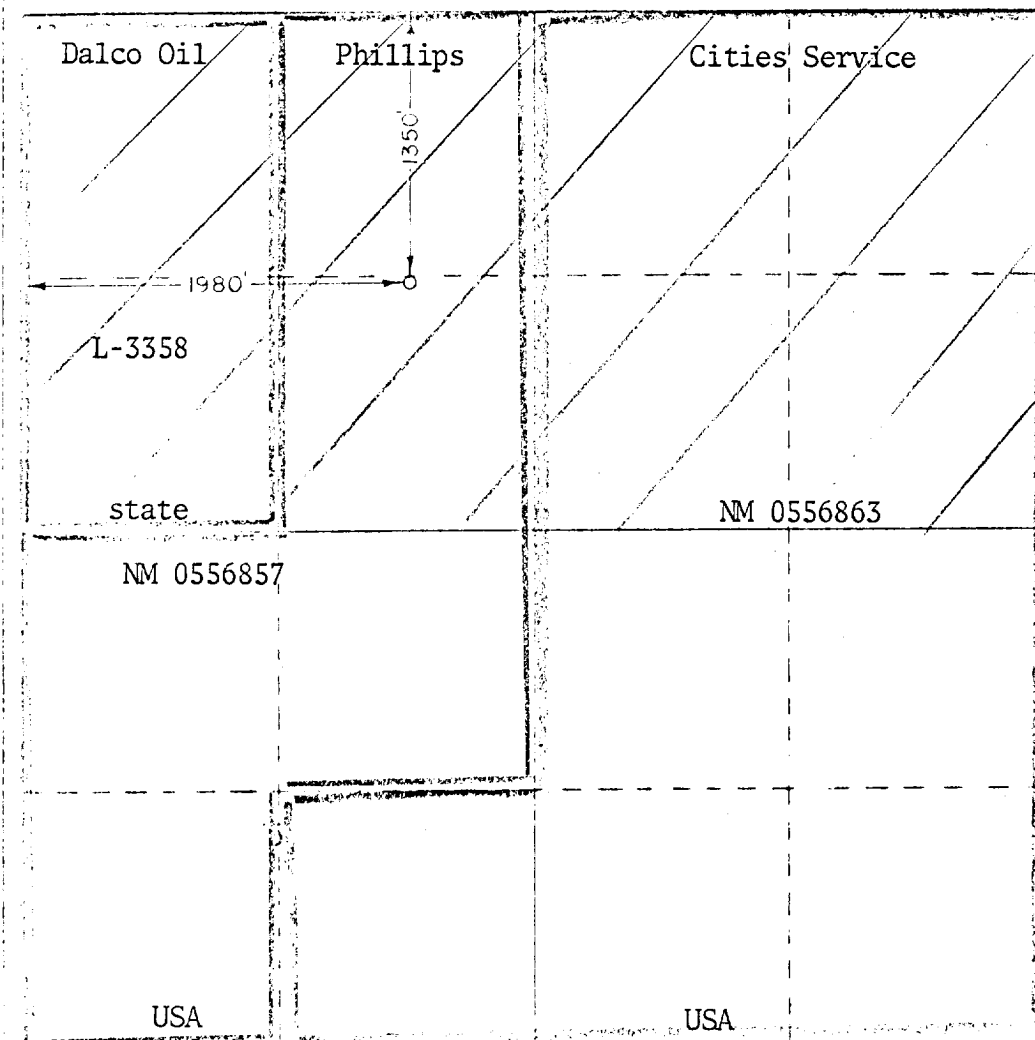
AUG 7 1975

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ARTESIA, OFFICE

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization (Nash Unit)

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Michael P. Houston

Name	Michael P. Houston
Position	Division Engineer
Company	Mesa Petroleum Co.
Date	August 6, 1975

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed	August 4, 1975
Required by Professional Engineer and Surveyor	<i>John W. West</i>
Professional Engineer and Surveyor	676 ME 1975

10 PARTNERS. 1 USGS. 1 COMM. P.L. HAROLD HUNTER, MOD. (G) 91 F. MPH. L. MC