

APPLICATION OF UTEX EXPLORATION  
COMPANY TO EXPAND ITS HIGH LONESOME  
POOL WATER FLOOD PROJECT IN THE HIGH  
LONESOME POOL IN EDDY COUNTY, NEW  
MEXICO.

ADMINISTRATIVE ORDER  
WFX NO. 7

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Order No. R-975-C, Utex Exploration Company has made application to the Commission on February 16, 1959, for permission to expand its High Lonesome Pool Water Flood Project in the High Lonesome Pool, Eddy County, New Mexico.

NOW, on this 20th day of February, 1959, the Secretary-Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
3. That no objection has been received within the waiting period as prescribed by Order No. R-975-C.
4. That the proposed injection well is eligible for conversion to water injection under the terms of Order No. R-975-C.
5. That the proposed expansion of the above-referenced water flood project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Utex Exploration Company, be and the same is hereby authorized to inject water into the Queen Sand formation through the following described well for purposes of secondary recovery, to wit:

<u>Well</u>	<u>Location</u>
Skelly-State Well No. 25-W	2630 feet from the North line and 2630 feet from the West line, Section 16, Township 16 South, Range 29 East

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
A. L. PORTER, Jr.,  
Secretary-Director

SEAL

*Utex Exploration Company*

PETROLEUM DIVISION  
ROOM 207-210 WARD BUILDING  
P. O. BOX 1288  
ARTESIA, NEW MEXICO

W 7X-7

T. R. HAVINS, JR.  
MGR. LAND AND PRODUCTION DEPARTMENTS

CHARLES A. STEEN  
PRESIDENT  
CHIEF GEOLOGIST

J. C. ASHBY  
GENERAL MANAGER

February 13, 1959

Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

In Re: Waterflood Project  
High Lonesome Pool  
Sec. 15&16, T16S, R29E  
Eddy Co., New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Request is hereby made for Administrative Approval to drill a Water Injection Well.

Such well described as:

Skelly-State Well No. 25-W; 2630 feet from the North line and 2630 feet from the West line of Sec. 16, T 16S, R 29E.

Approval being subject to the provisions set forth in the Commission's order No. R-975-C. All provisions are hereby applied to and all the pertinent facts are herein set forth.

It is proposed to drill said well to an approximate depth of 1850 feet. Surface casing will be 8 5/8" O.D., set at 175 feet and cemented to the surface. A Rotary hole of 6 3/4" will be drilled to total depth. Injection casing will be 4 1/2" O.D. continuous welded pipe, with a weight of 9.5 pounds per ft, being set at total depth and cemented to the surface. The Queen Sand will be perforated at an approximate depth of 1800 feet. The well will be given a Sand Fracture treatment of 10,000 gallons of fresh water with 10,000 pounds of 20-40 mesh Ottawa Sand. The Well will be put on production, by pumping, for a period of time that only constitutes a sand face clean-up. Upon completion of the clean-up period injection of salt water will be started at normal project procedures.

Commission Form C-116 for Meab Drilling Co.'s, Skelly-State Well No. 6 G; Section 16, T 16S, R 29E is attached. This one form shows a test in each month from January 1958 thru January

February 13, 1959

1959. The tests show that the Skelly-State No. 6 has experienced a substantial response to the waterflood project, but has since decreased in production due to the diversion of the bottom hole pressure build-up. Injection of water into the Proposed Well would prevent further reservoir waste by re-establishing a pressure build-up pattern for drainage into the Skelly-State No. 6 G.

A plat of the Waterflood Project and the immediate area is attached. The Proposed Injection Well is circled in Red and the affected offset producing well is circled in Green. The number below the Injection Wells is the average daily injection rate for January 1959. The numbers below the Producing Wells, in the waterflood project area, are the average daily production rate for January 1959. The first number is oil production and the second number is water production.

Attached is an Affidavit made by Mr. T. R. Havins, Jr. The Affidavit is to serve as waivers of objection from all operators offsetting the Proposed Injection Well.

Yours very truly,



Archie M. Speir, For  
Moab Drilling Co.

AMS/dms  
Encl.

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR MOAB DRILLING CO. POOL High Lonesome  
 ADDRESS Box 1268 Artesia, New Mex MONTH OF January 1958 thru January, 1959  
 SCHEDULED TEST  COMPLETION TEST \_\_\_\_\_ SPECIAL TEST \_\_\_\_\_ (Check One)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
Skelly-State	6	1958	Pump	Open	24					
		Jan.	"	"	"	14	3.9	0	-	-
		Feb.	"	"	"	"	2.6	0	-	-
		Mar.	"	"	"	"	2.3	0	-	-
		Apr.	"	"	"	"	2.6	1.7	-	-
		May	"	"	"	"	2.6	2.3	-	-
		June	"	"	"	"	9.8	0.7	-	-
		July	"	"	"	"	11.9	Trace	-	-
		Aug.	"	"	"	"	14.2	0.5	-	-
		Sept	"	"	"	"	13.6	Trace	-	-
		Oct.	"	"	"	"	11.9	"	-	-
		Nov.	"	"	"	"	9.4	"	-	-
		Dec.	"	"	"	"	6.6	4.5	-	-
1959		Jan.	"	"	"	2.6	20.3	-	-	

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

(I certify that the information given is true and complete to the best of my knowledge.)

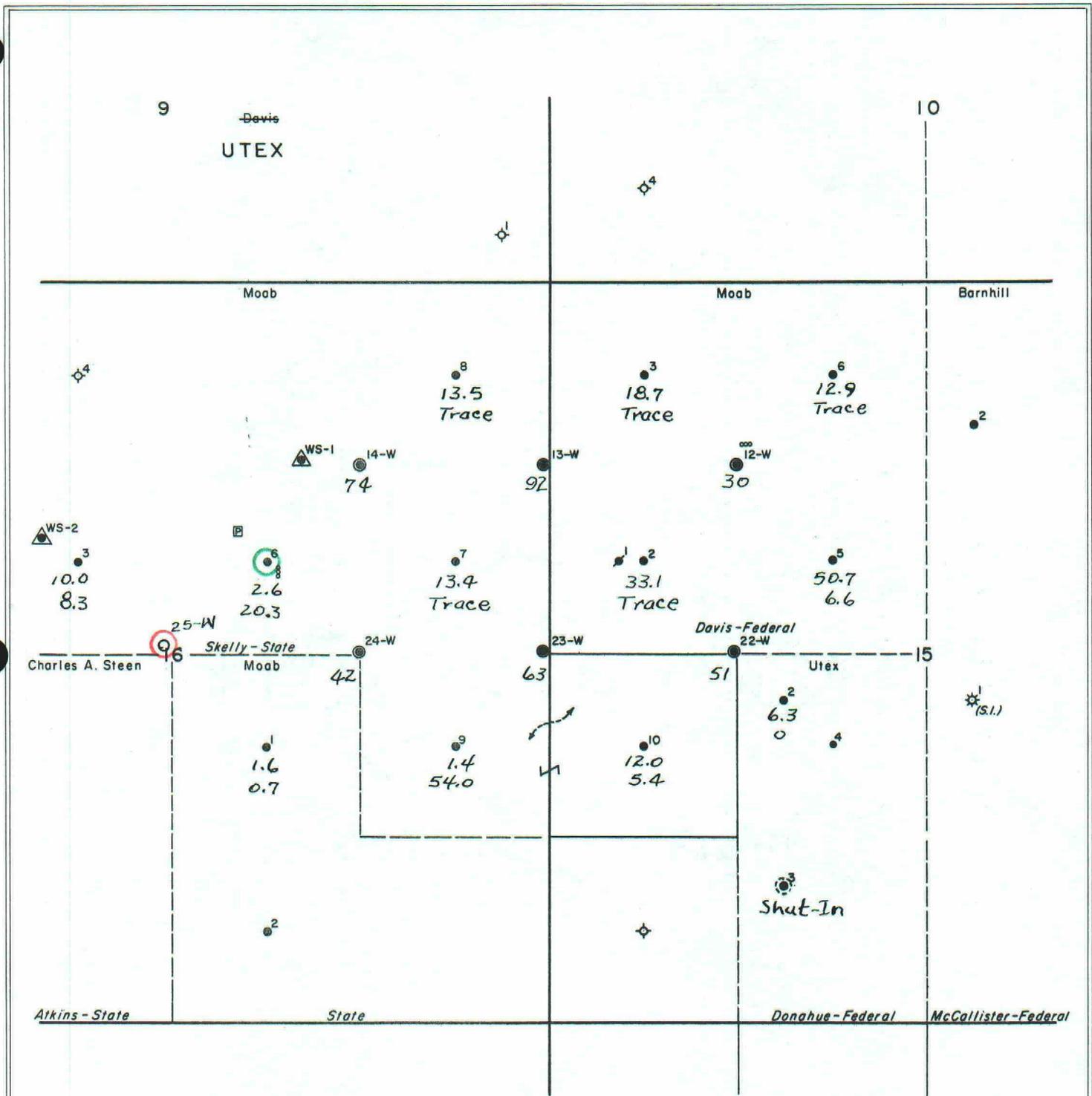
Date February 13, 1959

Moab Drilling Co.  
Company

By \_\_\_\_\_

Production Superintendent

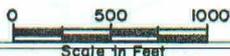
Title



HIGH LONESOME POOL  
Eddy County, New Mexico

- Producing Well Location
- Producing Well
- ⊙ Injection Well Location
- ⊖ Injection Well
- ⊕ Converted Producer to Injection Well
- ⊗ Gas Well
- ◇ Dry Hole
- ⊠ Abandoned Producing Well
- ⊡ Abandoned Injection Well
- ⊛ Abandoned Gas Well
- ⊔ Water Supply Well
- ⊕ Water Plant
- ∞ Tank Battery

- ⊙ PROPOSED INJECTION WELL
- ⊖ AFFECTED PRODUCING WELL



AFFIDAVIT

THE STATE OF TEXAS |  
COUNTY OF TAYLOR |

BEFORE ME, The undersigned authority, on this day personally appeared T. R. Havins, Jr., who, having been by me duly sworn, says:

Affiant is the Manager of the Land and Production Departments of Utex Exploration Company, which company operates all of the properties in Township 16 South, Range 29 East, Eddy County, New Mexico, that are owned by Moab Drilling Company and by Charles A. Steen;

That Moab Drilling Company is making application for permission to drill its No. 25-W Skelly-State water injection well at a point 2,630 feet from the North line and 2,630 feet from the West line of Section 16, Township 16 South, Range 29 East;

That Mr. Charles A. Steen, of Moab, Utah, is the sole owner of Moab Drilling Company, and is the same Charles A. Steen who owns a lease in the southwest quarter of Section 16, being State Lease B-2885;

That affiant has been instructed by Mr. Charles A. Steen to apply to the proper agency of the State of New Mexico for permission to drill the said injection well, and that there is no objection on the part of any person or company, so far as he knows, to the drilling of this well.

Further affiant says not.

T. R. Havins, Jr.  
T. R. Havins, Jr.

SUBSCRIBED AND SWORN to before me by T. R. Havins, Jr., this 4th day of February, 1959.

Frances R. Hall  
Notary Public, Taylor County, Texas.

FRANCES R. HALL  
Notary Public, Taylor Co., Texas  
My Commission Expires June 1, 1959

THE STATE OF TEXAS |  
COUNTY OF TAYLOR |

On this 4th day of February, 1959, before me personally appeared T. R. HAVINS, JR., to me known to be the person described in and who executed the same as his free act and deed.

WITNESS MY HAND AND OFFICIAL SEAL the day and year last above written.

Frances R. Hall  
Notary Public, Taylor County, Texas.

My Commission expires: June 1, 1959.

FRANCES R. HALL  
Notary Public, Taylor Co., Texas  
My Commission Expires June 1, 1959