

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office SANTA FE

Lease No. SF 078384

Unit W/2, SEC. 8, T-26N, R-8W,  
N.M.P.M., SAN JUAN COUNTY,  
NEW MEXICO.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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.....	
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)

OCTOBER 2, 1963

Well No. 7-B /NEWSOM is located 1780 ft. from N line and 790 ft. from W line of sec. 8

SW/4, NW/4, SEC. 8 T-26-N R-8-W N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

BASIN DAKOTA SAN JUAN COUNTY NEW MEXICO  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6268 ft. UNGRADED GROUND LEVEL

DETAILS OF WORK

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

WE PROPOSE TO DRILL A WELL TO THE DAKOTA FORMATION - ANTICIPATED T. D. 6675 FT.

CASING PROGRAM:

SURFACE: 250 FT. 10 3/4", 32.75#, H-40 CEMENTED TO SURFACE.

PRODUCTION: 6675 FT. 4 1/2", 10.50#, J-55 CEMENTED W/250 SX - STAGE COLLAR SET AT 2200 FT. UNDER PICTURED CLIFFS & CEMENTED TO SURFACE W/APPROXIMATELY 800 CUBIC FT. OF CEMENT.

TUBING: 1 1/2". 2.90#, JCW TUBING SET AT APPROXIMATELY 6575 FT.

ROTARY TOOLS WILL BE USED TO MUD DRILL HOLE FROM SURFACE TO TOTAL DEPTH.

WELL WILL BE FRACED TO STIMULATE PRODUCTION.

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








































































Company SOUTHERN UNION PRODUCTION COMPANY

Address POST OFFICE BOX 808

FARMINGTON, NEW MEXICO

By Gilbert D. Noland, Jr.  
GILBERT D. NOLAND, JR.  
Title DRILLING SUPERINTENDENT

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained after plating on the selective medium. The results are the mean of three independent experiments. Error bars represent standard deviation.

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[illegible]

•  $\mathcal{L}(\mathbf{X}, \mathbf{Y}) = \frac{1}{N} \sum_{i=1}^N \mathcal{L}(\mathbf{x}_i, \mathbf{y}_i)$  (empirical risk)

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• ANALYT.

NEW MEXICO OIL CONSERVATION COMMISSION  
Well Location and Acreage Dedication Plat

Section A.

Date October 2, 1963

Operator Southern Union Production Company Lease Newcom  
Well No. 7-B Unit Letter E Section 8 Township 26 North Range 8 West NMPM  
Located 1780 Feet From North Line, 790 Feet From West Line  
County San Juan G. L. Elevation 6268 Dedicated Acreage 320 Acres  
Name of Producing Formation Dakota Pool East Dakota

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes XX No       .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes        No       . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

RECEIVED

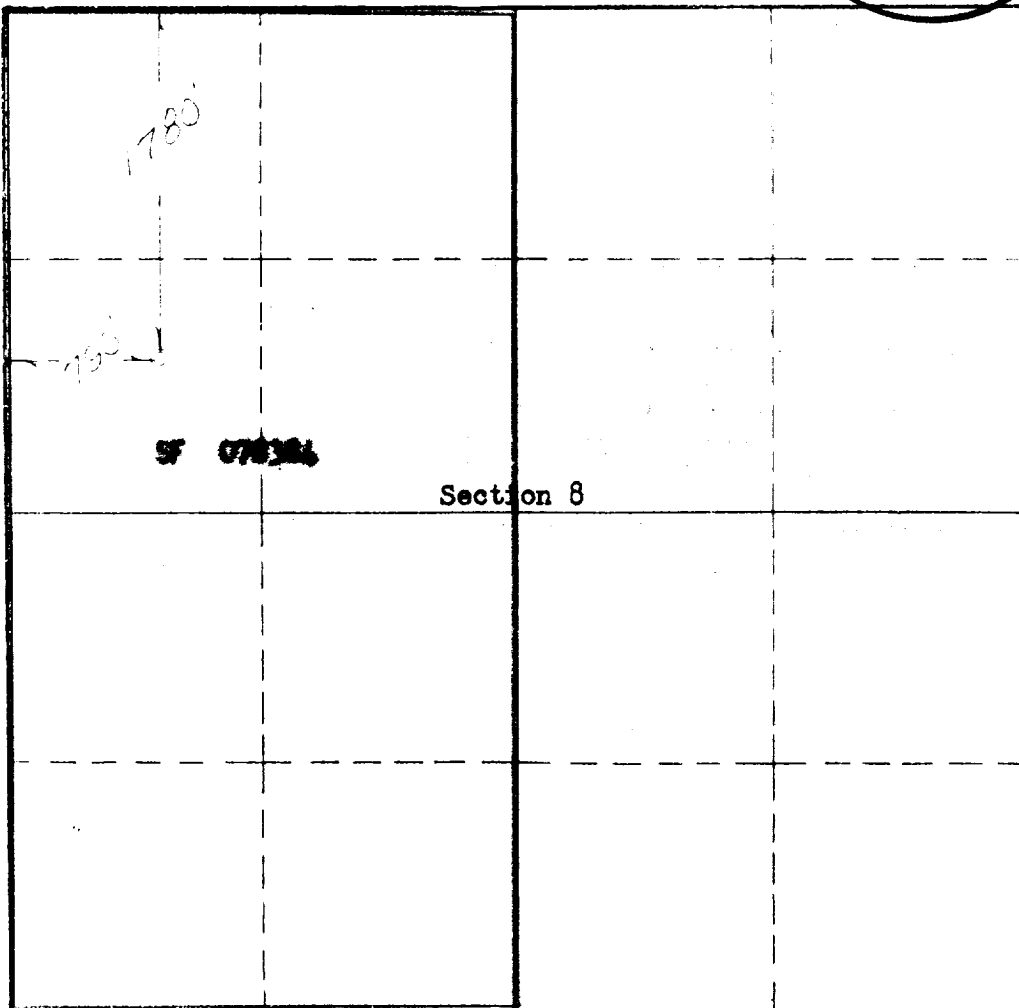
OCT 7 1963

OIL CON. COM.  
DIST. 3

1963

Geological Survey  
New Mexico

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Southern Union Production Co.  
Gilbert D. Noland, Jr.  
Gilbert D. Noland, Jr.

Post Office Box 808  
Farmington, New Mexico

Address

This is to certify that the well location shown on the plat in Section B 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 Sept 30, 1963

Registered Professional  
Engineer and Land Surveyor.

Certificate No. 3084