



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 965
Farmington, New Mexico

June 27, 1955

Southern Union Gas Company
1001 Burt Building
Dallas 1, Texas

Re: Santa Fe 078431

Gentlemen:

Receipt is acknowledged of your "Notice of Intention to Drill" dated June 23, 1955 covering your well No. 4 Niekson in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 26 N., R. 8 W., N. M. P. M., San Juan County, New Mexico, Ballard Pictured Cliffs pool.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1942, a copy of which will be sent to you on request, and subject to the following conditions:

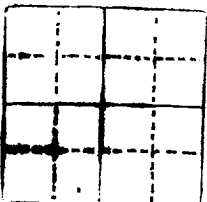
1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish copies of all logs.
3. Approved subject to the communitization of the SW $\frac{1}{4}$ sec. 14 to form a unit of 320 acres more or less.
4. Approved subject to the approval of the New Mexico Oil Conservation Commission of this unorthodox location.

Very truly yours,

(Orig. Sgd.) P. T. McGrath

P. T. McGrath
District Engineer

PTMcGrath:ac



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



TO THE DIRECTOR, GEOLOGICAL SURVEY
WASHINGTON, D. C.

FROM THE CHIEF OF FIELD STATION, [illegible]
[illegible]

SUBJECT: [illegible]

[illegible]

[illegible]

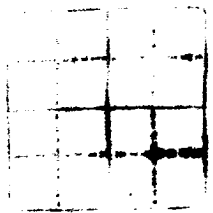
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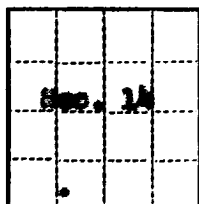
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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **SP 070431**
Unit **SW 1/4 Section 14, T-26N, R-3W**
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)

RECEIVED
JUN 27 1955
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Well No. **4** is located **400** ft. from **S** line and **1090** ft. from **W** line of sec. **14**
SW 1/4 Sec. 14 **Twp-26N** **R-3W** **N.M.P.M.**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Ballard Pictured Cliffs **San Juan County** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **To Be Determined** 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)

Objective sand is the Pictured Cliffs Formation anticipated at approximately 2500 feet.

Proposed Casing Program: 100' 9 5/8" J-55 cemented to surface.
2500' 5 1/2" J-55 cemented with 100 sacks.

Rotary tools will be employed from surface to top of Pictured Cliffs.

Cable tools will be employed from top of Pictured Cliffs to estimated total depth 2575'.

The Well will be sand oil fraced in an effort to stimulate production.

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

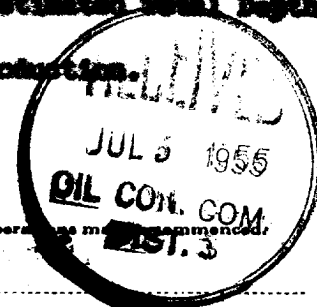
Company **Southern Union Gas Company**

Address **1001 Bart Building**

Dallas 1, Texas

By **Lenwood S. Muennink**
Lenwood S. Muennink
Jr. Petroleum Engineer

Title



COMPANY Southern Union Gas Company

Well Name & No. Nickson No. 4

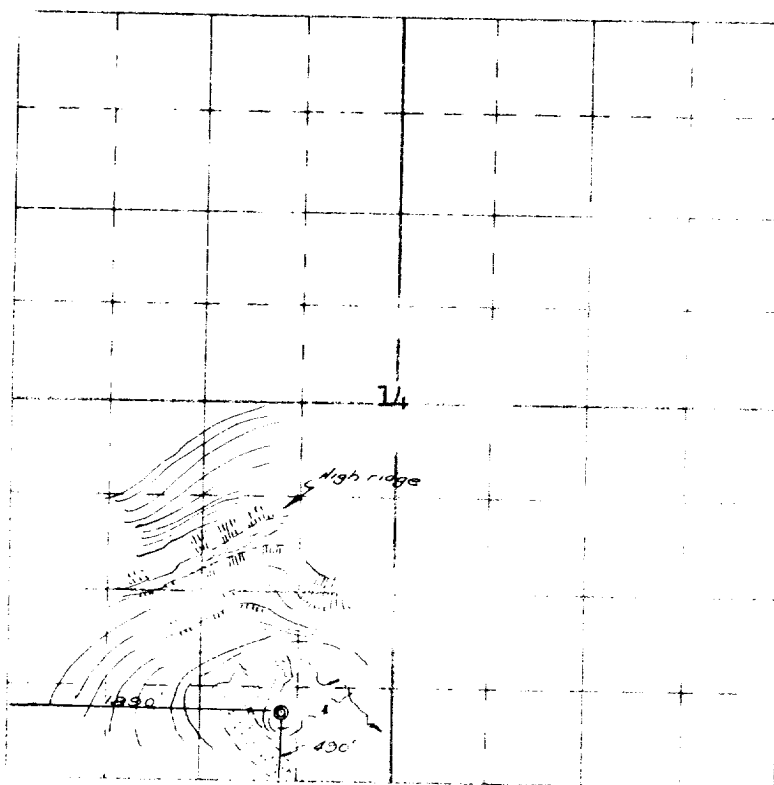
Lease No. S. F. 078431

Location 490' from the South line and 1890' from the West line.

Being in SE 1/4 SW 1/4

Sec. 14, T 26 N, R 8 W., N.M.P.M., San Juan County, New Mexico.

Ground Elevation



Scale - 4 inches equal 1 mile

Dated May 27

19 55

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Ernest V. Echoshawk

Ernest V. Echoshawk
Registered Land Surveyor
N. M. Reg. # 1545

