



# Consolidated Oil & Gas, Inc.

## Executive Offices

4150 EAST MEXICO AVENUE  
DENVER, COLORADO 80222  
PHONE: 757-5441

November 9, 1964

Mr. A. L. Porter Jr.  
Secretary-Director  
New Mexico Oil Conservation Commission  
P.O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

We would like to request administrative approval to an exception to Rule 303 to permit commingling of hydrocarbons from two separate pools in a single marketing facility on the Northwest Federal # 3-6, Section 6, Township 26 North, Range 4 West, Rio Arriba County, New Mexico.

This well is an authorized dual completion in the Gallup Undesignated (gas) and Basin Dakota pools and at the present time is awaiting a pipeline connection. The Gallup tested 642 MCFPD absolute open flow and the Dakota tested at 1040 MCFPD through a 3/4" choke on a three-hour initial potential test. From the low potentials it is certain that both zones will be marginal and physically incapable of producing top allowables.

From our offset well we have arrived at the following data:

	<u>Dakota</u>	<u>Gallup</u>
Hydrocarbon Gravity	59.6° API	61.0° API
Hydrocarbon Value	\$2.20/Bbl.	\$2.20/Bbl.
Expected Oil Volume/Day	3.0 Bbls.	1.5 Bbls.

The gravity of the commingled hydrocarbons should be 60.1° API and with this gravity the value will not be less than the sum of the values of the production from each zone.

Attached is a schematic diagram of the proposed installations and a plat showing the location of the well. The gas from each zone will be metered in separate meter runs and the only thing to be commingled are the liquid hydrocarbons.



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Mr. A. L. Porter

-2-

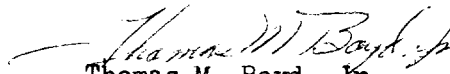
November 9, 1964

We would like to produce both zones immediately after hookup to obtain our initial deliverability test, then a seven day shut in period followed by the required packer leakage test. At the time the packer leakage test is being run a gas-oil-ratio can be obtained to prorate the cumulative oil production back to their respective zones.

The Regional Supervisor of the United States Geological Survey is mailing your office a letter of approval on this exception to Rule 303.

Very truly yours

CONSOLIDATED OIL & GAS INC.

  
Thomas M. Boyd, Jr.  
Area Superintendent  
P.O. Box 2038  
Farmington, New Mexico

TMB:ra  
Attachments

DAKOTA OUT

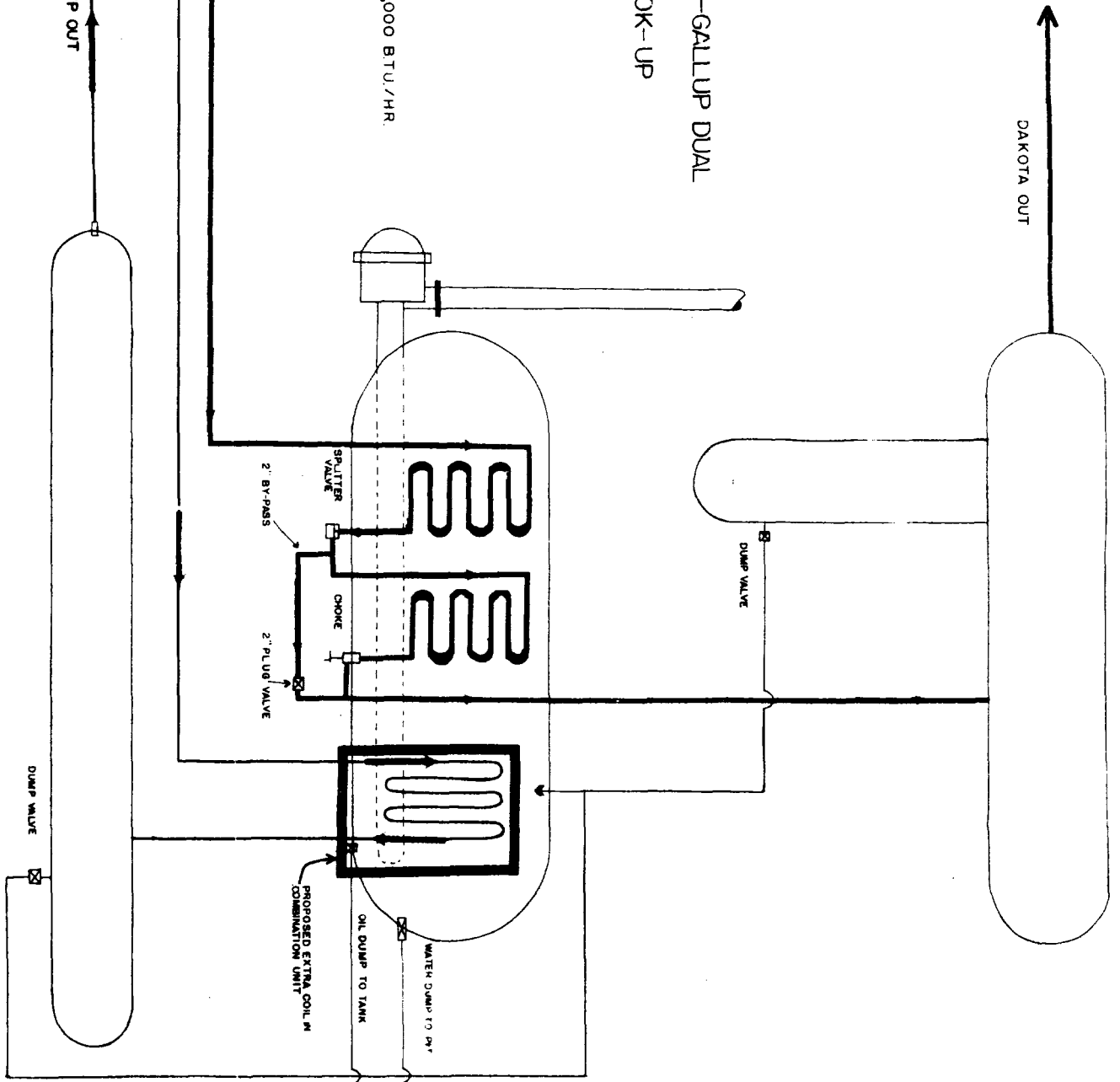
PROPOSED DAKOTA-GALLUP DUAL  
COMPLETION HOOK-UP

FIRE TUBE 500,000 BTU/HR.



DAKOTA STREAM  
GALLUP STREAM

GALLUP OUT



OLMAN HEATH CO.  
4909 EAST MAIN ST.  
FARMINGTON, NEW MEX

Date May 26, 1964

Consolidated Oil & Gas, Inc. Acres NORTHWEST FEDERAL  
3-6 Section 6 Township 26 NORTH Range 4 WEST NMPM  
1850 Feet From the NORTH Line, 1850 Feet From the WEST Line  
Section 6 G. L. Elevator on 7192 Dedicated Acreage 160 Acres  
 Name of Producing Formation GALLUP Pool UNDESIGNATED

1. Is the Owner the only owner in the dedicated acreage outlined on the plat below?

Yes ☒ No ☐

2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization 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

Land Description

**ILLEGIBLE**

Section B.

Provide a copy of the information in Section A, and complete the following information and belief.

Consolidated Oil & Gas, Inc.

W. J. Williams  
 (Executive)

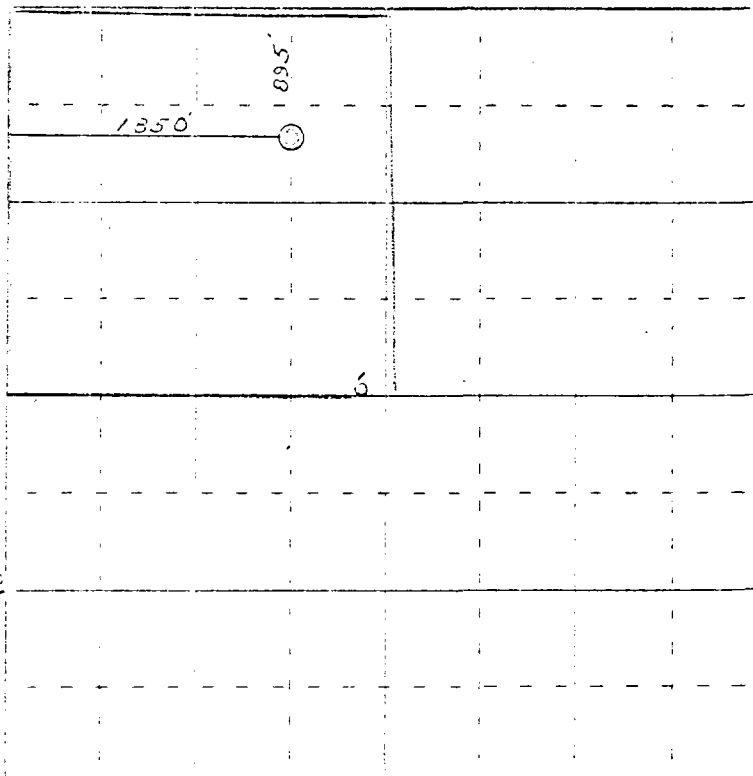
Chief Engineer

4150 East Mexico Avenue

Denver 22, Colorado

Ref: GLO plat dated November 4, 1882

Note: All distances must be from outer boundaries of section.



0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600

Scale 4 inches equal 1 mile

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.

Date Surveyed May 22, 1964

James O. Lase  
 Registered Professional Engineer and of Land Surveyor

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Consolidated Oil & Gas, Inc. POOL Basin Dakota Gas  
ADDRESS 4150 E. Mexico Avenue MONTH OF June, 19 65  
Denver 22, Colorado  
SCHEDULED TEST..... COMPLETION TEST..... SPECIAL TEST ☒ (Check One)  
(See Instructions on Reverse Side) Per Administrative Order  
Nos. PC-246 and PC-248  
of December, 1964.

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	
Northwest Federal	3-6	6-11-65	Flow	1-1/4"	24		0	15.05	1070	71,000
Northwest Federal	4-8	6-9-65	Flow	1-1/4"	24		0	30.22	1060	35,000

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 June 24, 1965

Consolidated Oil & Gas, Inc.

By *W. H. Williams*  
Company

Chief Engineer

Title