# El Paso Natural Gas Company

El Paso, Texas July 30, 1958

ADDRESS REPLY TO-POST OFFICE BOX 997 FARMINGTON, NEW MEXICO

Mr. A. L. Porter Secretary and Director Oil Conservation Commission Box 871 Santa Fe, New Mexico

Dear Sir:

This is a request for administrative approval for a well dually completed in the Blanco Mesa Verde Pool and North Los Pinos Dakota Pool. The El Paso Natural Cas Company Allison Unit No. 16 (MD) is located 890 feet from the South line and 1800 feet from the West line of Section 15, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico.

This well has been completed in the Point Lookout section of the M sa Verde formation and in the Dakota Formation. Completion has been accomplished in the following manner:

- 1. 13 3/4" surface casing set at 231 feet with 150 sacks of cement circulated to the surface.
- 2. 9 5/8" intermediate sasing set at 3859 feet and cemented in two stages: 400 sacks at the base of the casing and 1100 sacks across the Pictured Cliffs formation.
- 3. 5 1/2" production easing set at 8488 feet with 1350 sacks of cement.
- 4. The casing and liner were tested for leaks before perforating.
- 5. The Dakota formation was perforated in three intervals and fractured with water and sand.
- 6. The Point Lookout section was perforated in two intervals and fractured with water and sand.
- 7. All perforations were cleaned out after treatment and completion was accomplished by setting a Baker Model "D" production packer on 2" EUE tubing at 6150 feet, with an Otis circulating sleeve installed in the 2" tubing at 6117'. 1 1/4" EUE tubing was run below the production packer with tubing perforations opposite the Dakota perforations. The Dakota gas will be produced through the combination 1 1/4" and 2" tubing string, and the Point Lookout gas through the easing.
- 8. Initial potential tests have been run and commercial production has been found in both zones. A packer leakage test has been run and witnessed by a member of the Aztec office of the Oil Conservation Commission. This test shows no communication in the well bore between the two producing formations.

Administrative approval is requested for the dual completion to allow production from both known producing formations, eliminating the high initial cost of drilling two separate wells.

The offset operators to the drilling block have been notified of El Paso Natural Gas Company's intention to dually complete this well, and have furnished waivers to any objections of such plans. Enclosed are copies of these waivers. Also enclosed are:

- (a) Two copies of the schematic diagram of the mechanical installations.
- (b) Two copies of the affidavit from the packer setting company stating that the packer used was set at the depth shown.
- (c) Two copies of the packer leakage test as observed by a member of the Oil Conservation Commission.
- (d) Two copies of the initial potential test showing commercial production from the two formations.
- (e) Two plats showing the location of the well and offset operators.

It is intended to dedicate the W/2 of Section 15, Township 32 North, Range 7 West to the Mesa Verde formation and the SW/4 of Section 15, Township 32 North, Range 7 West to the Dakota formation.

Any further information required will be furnished upon your request. Thank you for your consideration in this matter.

Yours very truly,

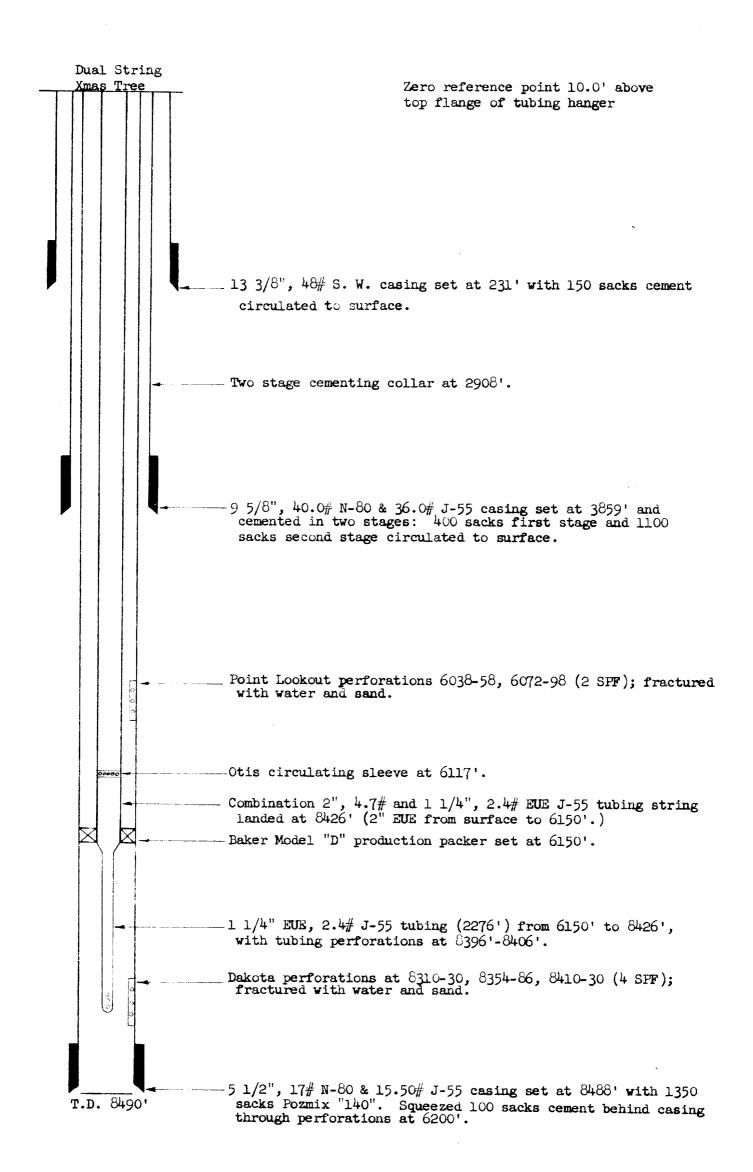
ORIGINAL SIGNED E.S. OBERLY

E. S. Oberly, Division Petroleum Engineer

ESO: dgb

cc: NMOCC (2) (Emery Arnold) --Sam Smith
USGS (Phil McGrath)

#### SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. Allison Unit No. 16 (MD) SW/4 Section 15, T-32-N, R-7-W



STATE OF NEW MEXICO COUNTY OF SAN JUAN

I, Mack M. Mahaffey, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on July 6, 1958, I was called to the location of the El Paso Natural Gas Company Allison Unit No. 16 (MD) Well located in the SESW/4 of Section 15, Township 32 North, Range 7 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "D" Production Packer was set in this well at 6150 feet in accordance with the usual practices and customs of the industry.

Mack M. Wahaffry

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 31st day of July, 1958.

New Mexico

My commission expires February 24, 1960.

#### EL PASO NATURAL GAS COMPANY

Mr. E. C. Arnold

Oil Conservation Commission

T. 0. Box 997

July 21, 1958

Farmington, New Mexico

1000 Rio Brazos Moad Aztec. New Mexico Re: Packer Leakage Test on the El Paso Natural Cas Company Well, Allison No. 16 (MD), 8908, 1800W: 15-32-7; San Juan County, New Mexico. (Name - Location - Company) Dear Mr. Arnold: The subject well was dually completed in the Dakota and Mesa Verde zones and a packer was set at 6140 feet. The Dakota zone was tested through a 3/4" choke for three hours July 14, 1958 with the following data obtained: MV xxx SIPC 1097 | sig, Shut-in 8 days max STFT \_\_\_\_\_ paig; Dak max SIFT 2498 psig; Shut-in 8 days Time (Dal) Flowing Pressure ( ) Working Tubing Psig (MV) SIP (C) Psig Minutes Pressure, Psig Temp ° F 0 1097 15 395 1100 72 30 330 1103 74 45 296 1103 74 60 275 1103 76 180 196 1104 The choke volume for the Dakota was MCF/D with an AOF of \_\_\_\_\_HCF/D. The Mesa Verde zone was tested July 21, 1958 with a 3/4" choke for 3 hours with the following data obtained: sc SIPC psig; Shut-in 7 days Dak xxx SIFT 2537 psig; MV SIMC 1059 psig; Shut-in 15 days

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The ch		Verde test was	4837 MCF/D witi	. an AOF

The results of the above tests indicate there is no packer leakage.

Cery truly yours,

Richard Proctor Gas Technician

RP/nb

cc: W. M. Nodgers E. S. Oberly (b) File THE RESERVE OF THE SAME

### OPEN FLOW TEST DATA

DUAL COMPLETION

FORM SHEET

. DATE July 21, 1958

El Paso Natural Gas		Allison Unit 16 (M)		
		County	State	
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Richard Proctor

Withdress av Fred Cook N.M.O.C.C.

Checked By Tom Grant

Lewis D. Galloway o

#### OPEN FLOW TEST DATA

#### DUAL COMPLETION

FORM 2 475 9 AV

DATE July 14, 1958

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Richard Proctor

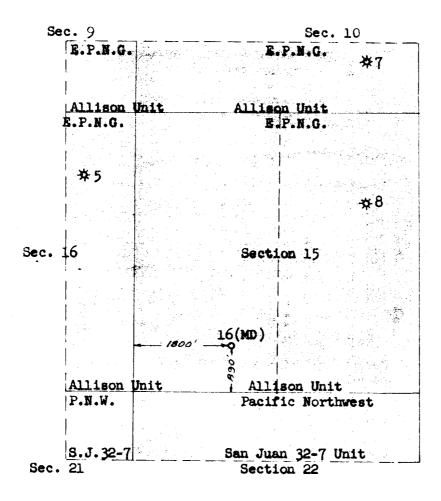
Fred Cook, N.M.O.C.C.

Checked By Tom Grant

D. Lallouby. L. D. Galloway

#### PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. Allison Unit No. 16 (MD) and Offset Acreage

T-32-N, R-7-W



SCALE

EL PASO NATURAL GAS COMPANY EL PASO, TEXAS DATE DRAWN BY CHECKED BY

FORM 7-132 (10-56)

ORDER NO. DC-624

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS ALLISON UNIT WELL NO. 16, LOCATED 890 FEET FROM THE SOUTH LINE AND 1800 FEET FROM THE WEST LINE OF SECTION 15, TOWNSHIP 32 MORTH, RANGE 7 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO, IN SUCH A MANNER AS TO PRODUCE GAS FROM THE NORTH LOS PINOS DANDTA POOL AND GAS FROM THE BLANCO MESAVERDE POOL.



OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) El Paso Natural Gas Company md made application to the New Mexico Oil Conservation Commission on August 11, 1958, for permission to dually complete its Allison Unit Well No. 16, located 890 feet from the South line and 1800 feet from the West line of Section 15, Township 32 North, Range 7 West, NASSE, San Juan County, New Mexico, in such a manner as to produce gas from the North Los Pinos Nakota Pool and gas from the Blanco Mesaverde Pool.

NOW, on this 20th day of August, 1958, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Subsection 'c' of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

#### IT IS THEREFORE ORDERED:

That the applicant herein, El Paso Natural Gas Company, be and the same is hereby authorized to dually complete its Allison Unit Well No. 16, located 890 feet from the South line and 1800 feet from the West line of Section 15, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico, in such a manner as to produce gas from the North Los Pinos Dakota Pool and gas from the Blanco Mesaverde Pool, through the casing—tubing annulus and the tubing respectively.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A, as amended by Order R-1214.

PROVIDED FURTHER, That the operator shall make any and all tests, including segregation and packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Blanco Mesaverde Pool, commencing in the year 1939, and whenever the packer is disturbed, but not excluding any other tests and/er determinations as deemed necessary by the Commission.

IT IS FURTHER GRDERED. That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights:

-2-Order No. DC-624

upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

U. S. LAND OFFICE SERIAL NUMBER

FARMINGTON, NEW MEXICO

SEP1 5 1958

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OIL CON. COM. UNITED STATES

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Budget Bureau No. 42-R355.4. Approval expires 12-31-60.

SEP151958
UNITED STATES
OIL CON. COM.
DISTDEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

## LOG OF OIL OR GAS WELL

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