

OIL CONSERVATION COMMISSION
1000 Rio Brazos Rd.
Aztec, New Mexico

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 9-2-60

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC _____

Gentlemen:

I have examined the application dated 8-23-60

for the _____

Operator SDW 285 #4 32-28-5

and my recommendations are as follows:

Approved

Yours very truly,

OIL CONSERVATION COMMISSION

Emily C. Lewis

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Blanco Mesa Verde & Companero Dak. Ext.		County Rio Arriba	Date August 23, 1960
Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit	Well No. 41 (ND)
Location of Well A	Unit 32	Township 24N	Range 5W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO **X**
2. If answer is yes, identify one such instance: Order No. _____ ; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Mesa Verde	Dakota
b. Top and Bottom of Pay Section (Perforations)	5536-5650	7570-7746
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

- Yes** a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes** b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- No** c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- No** d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

El Paso Natural Gas Company is operator of the San Juan 28-5 Unit.



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO _____. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the **Division Petroleum Engr.** of the **El Paso Natural Gas Co.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

OR.G.NAL SIGNED E. S. OBERLY

Signature


- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.




STATE OF NEW MEXICO)
)
COUNTY OF SAN JUAN)

I, R. G. Miller, being first duly sworn upon my
oath depose and say as follows:

I am an employee of El Paso Natural Gas Company,
and that on June 30, 1960, I was called to the location of the
El Paso Natural Gas Company San Juan 28-5 Unit No. 41 (MD) Well
located in the NENE/4 of Section 32, Township 28 North, Range 5
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 7130 feet in accordance with the usual
practices and customs of the industry.



Subscribed and sworn to before me the 30th day of August,
1960.



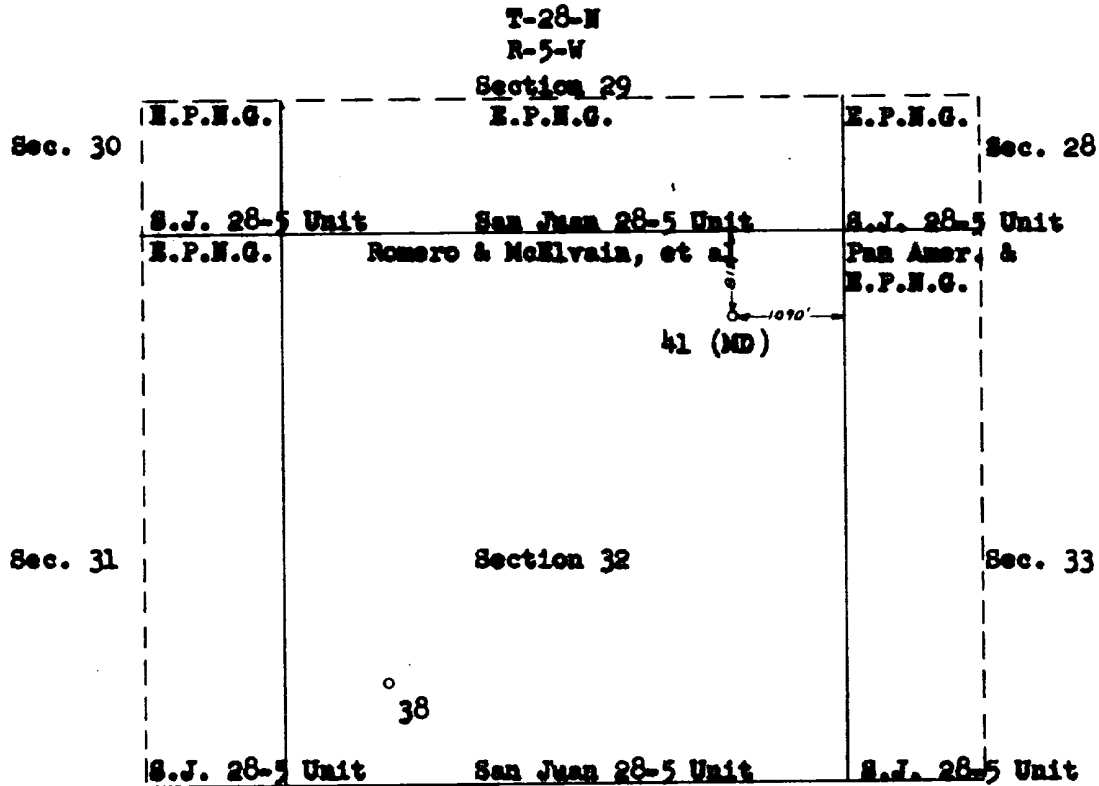
Notary Public in and for San Juan County,
New Mexico

My Commission Expires 6-21-61



[Handwritten signature]

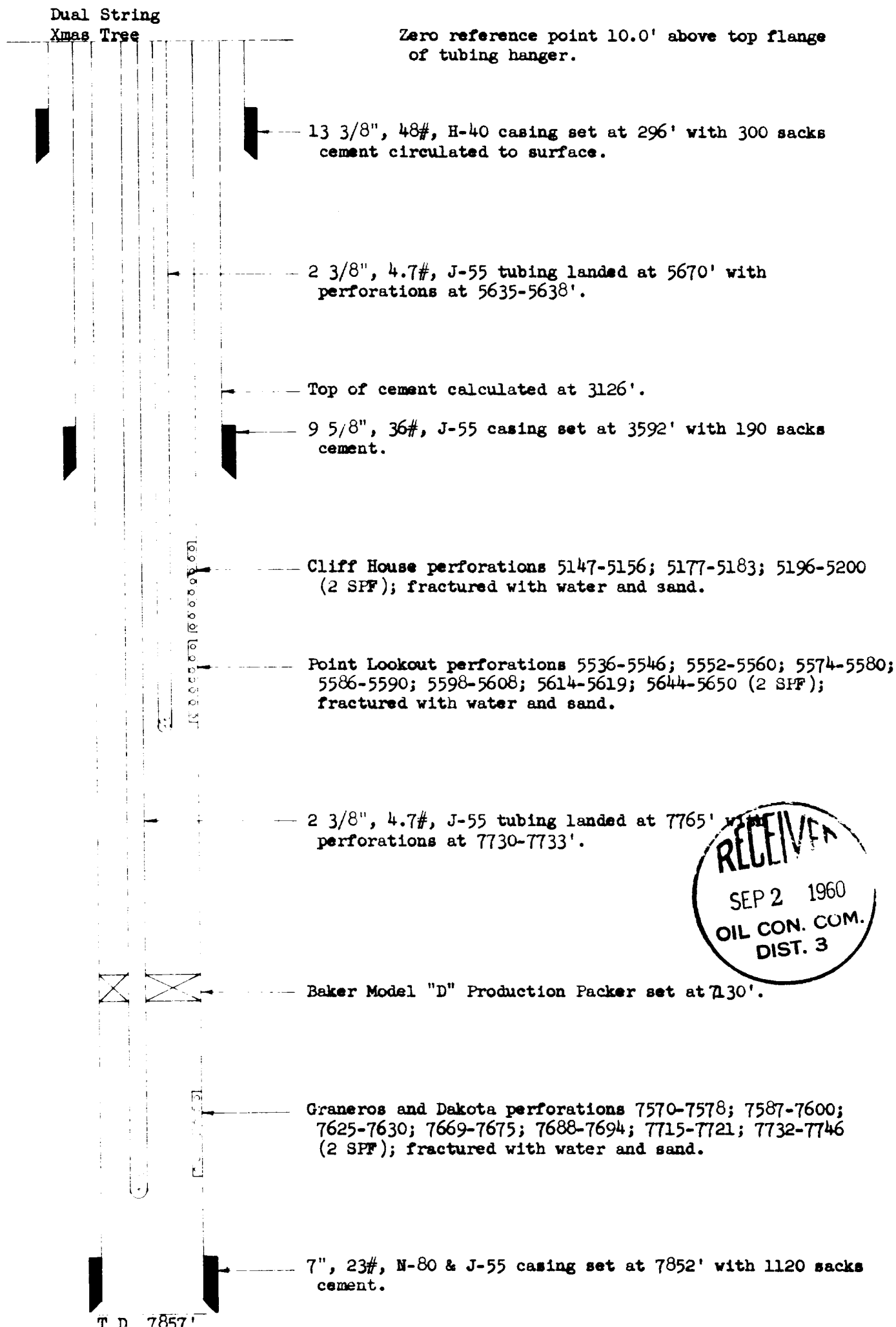
**PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. San Juan 28-5 Unit No. 41 (MD)
and Offset Acreage**



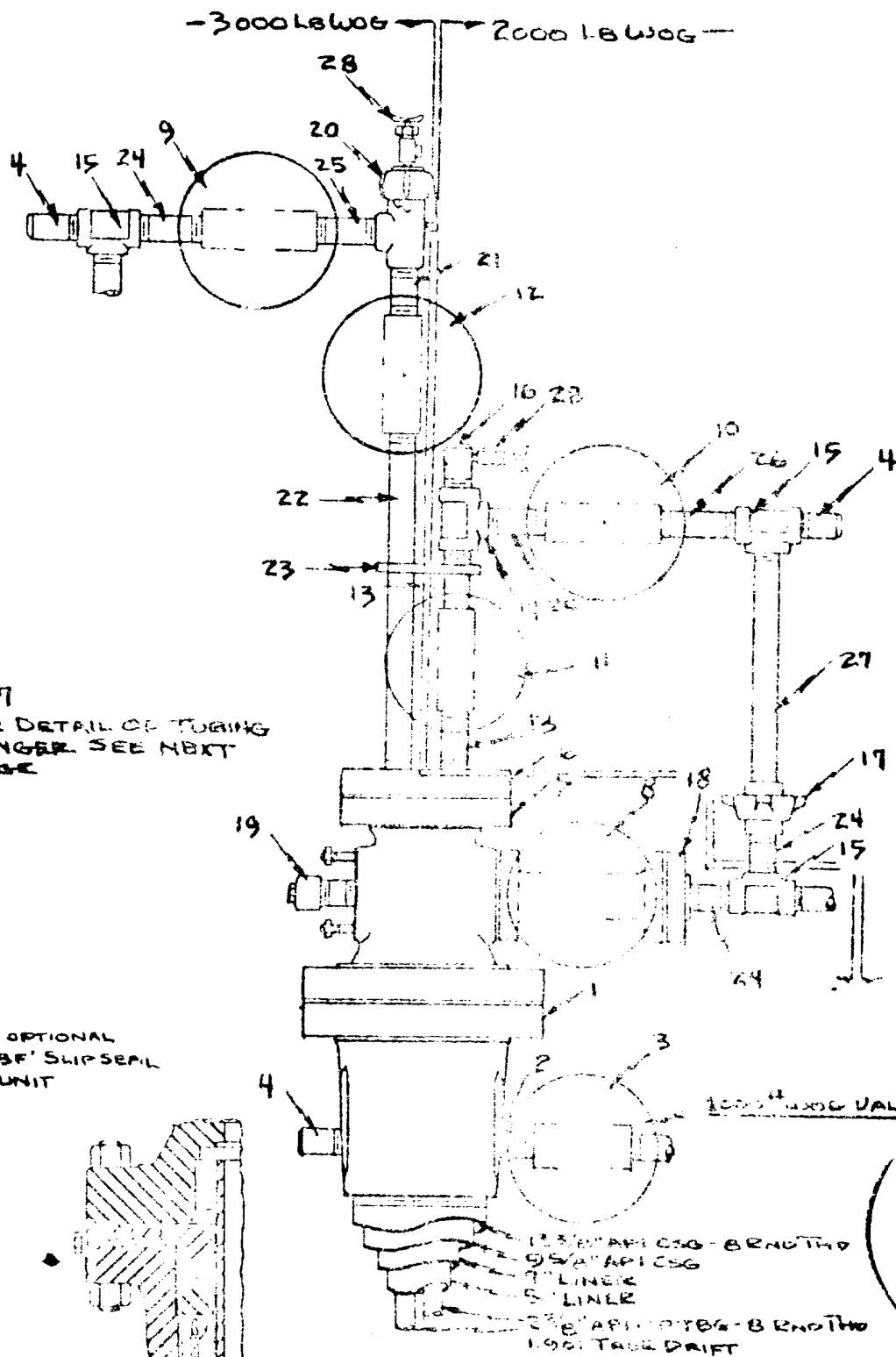
EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE	DATE	No.
DRAWN BY	CHECKED BY	

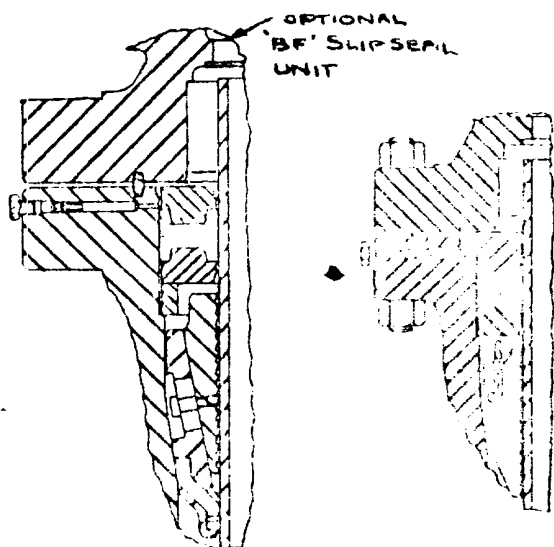
SCHEMATIC DIAGRAM OF DUAL COMPLETION
El Paso Natural Gas Co. San Juan 28-5 Unit No. 41 (MD)
NE/4 Section 32, T-28-N, R-5-W



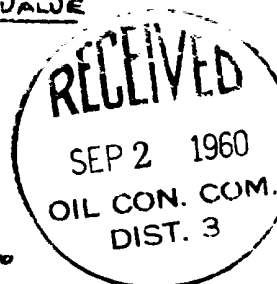
T n 7857'

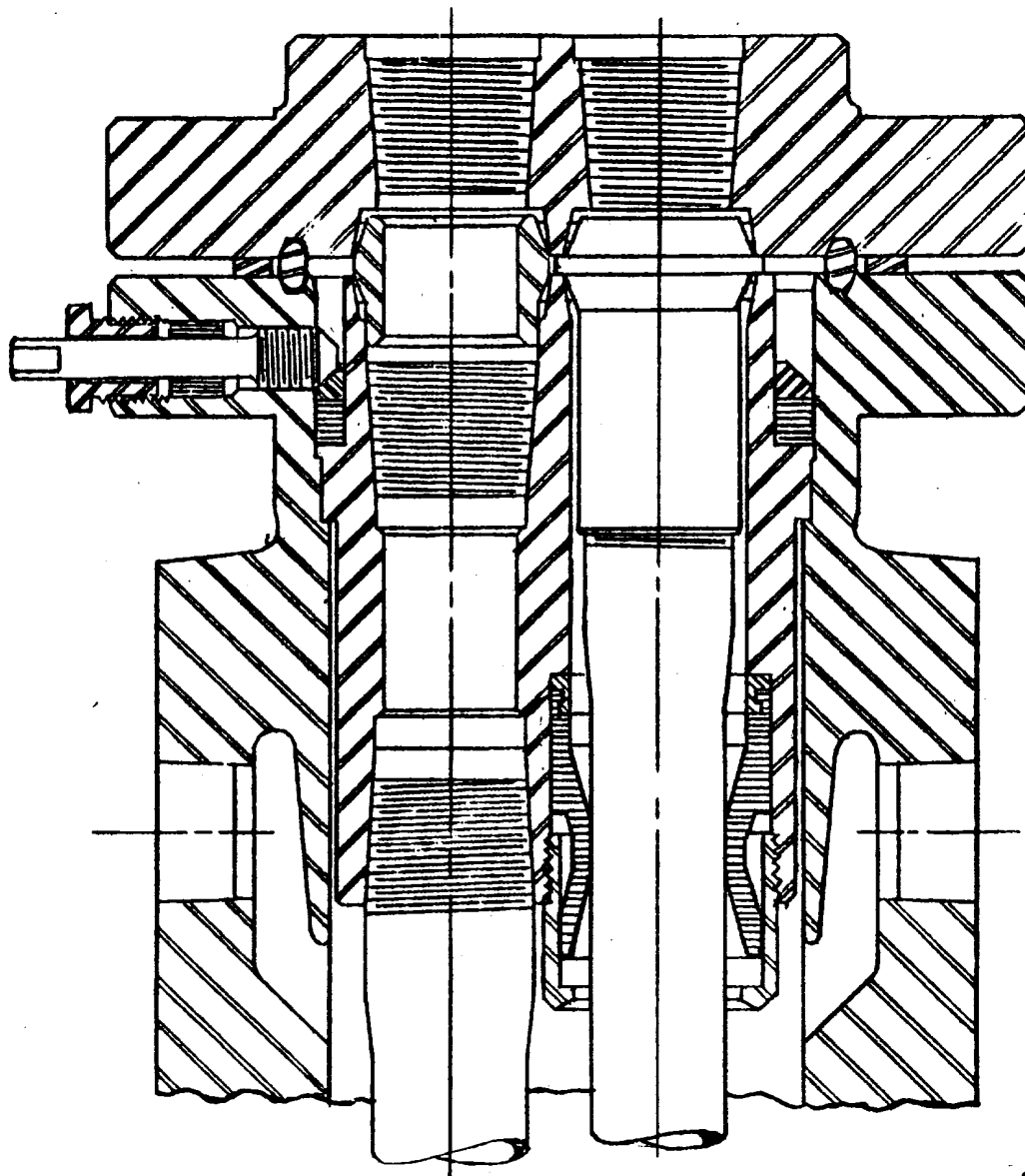


NO 7
FOR DETAIL OF TURNING
HANGER SEE NEXT
PAGE



THE NATIONAL SUPPLY CO., PASADENA PLANT DIVISION PASADENA, TEXAS	
EL PASO NATURAL GAS CO.	
DATE SEP 2 1960	QUANTITY 35689





EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 15, 1960

Operator El Paso Natural Gas Co.		Lease San Juan 28-5 Unit No. 41 (M)	
Location 815N, 1090E; 32-28N-5W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7"	Set At: Feet 7852	Tubing Diameter 2" H-G	Set At: Feet 5659
Pay Zone: From 5147	5650	Total Depth 7857 c/o 7816	Shut-In 7/1/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 1046	PSIA 1058	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1046
Flowing Pressure: F o(Cag) 611	PSIG 623		Working Pressure: P _w (Tbg) 655
Temperature: T 74			Gravity .684
Ft = .9868	.75	1.072	Fg = .9393

Initial SIPT (Dk) = 2647 psig

Final SIPT (Dk) = 2666 psig

Baker Model "D" Prod. Packer at 7130

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 623 \times .9868 \times .9393 \times 1.072$$

7654

MCF D

$$\text{OPEN FLOW } Q = \left(\frac{P_c^2 - P_w^2}{P_c - P_w} \right)^n$$

$$Acf = \left(\frac{1119364}{674475} \right)^n$$

$$1.6596^{.75} \times 7654 = 1.4629 \times 7654$$

Acf = 11190 MCF D

TESTED BY W. D. Dawson

WITNESSED BY _____

Lewis D. Galloway
L. D. Galloway



OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 8, 1960

Operator El Paso Natural Gas Company	Lease San Juan 28-5 Unit No. 41 (D)
Location 815N, 1090E; 32-28N-5W	County Rio Arriba
State Dakota	City New Mexico
Well Depth 7"	Well Depth 2"
Flow Rate 7852	Flow Rate 7754
Pressure 7570	Pressure 7857 c/o 7816
Completion Method Sand Water Frac.	Completion Method Shut-In 7/1/60

Stroke Size, inches .75	Stroke Constant 12.365	Stroke Pressure, T. B. C. (MV) 1011	Stroke Pressure, P. B. C. (Dak) 2570
Flowing Pressure, P. (D Tbg) 291	Flowing Pressure, P. 303	Flowing Pressure, P. Calc. 677	Flowing Pressure, P. 677
Temperature 66	Temperature .75	Temperature 1.024	Temperature .610
Ft = .9943	.75	1.024	.610

Initial SIPT (MV) = 1010 psig
Final SIPC (MV) = 1019 psig

Baker Model "D" Prod. Packer at 7130

CHUCK VOLUME = 12.365 x 303 x .9943 x .9918 x 1.024

3783

MCF/D

OPENING AREA =

$$\left(\frac{6666724}{6208395} \right)^n$$

$$\left(\frac{6666724}{6208395} \right)^n$$

$$1.0738^{.75} \times 3783 = 1.0549 \times 3783$$

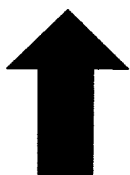
3991

MCF/D

W. D. Dawson



Lewis D. Galloway.
L. D. Galloway



LTR



Job separation sheet

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator El Paso Natural Gas Company Lease San Juan 28-5 Unit

Well No. 41(MD) Unit Letter A S 32 T 28N R 5 W Pool Companero Dakota Ext.

County Rio Arriba Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Company

Address _____

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 990, Farmington, New Mexico

Date Connected _____

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ☒ ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other ()

Remarks:

(Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 22 day of August 19 60

Original Signed D. W. Meehan

By _____

Approved SEP 9 1960 19 _____

Title Petroleum Engineer

OIL CONSERVATION COMMISSION

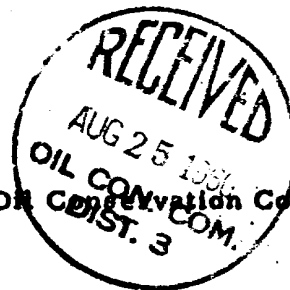
Company El Paso Natural Gas Company

By _____

Address Box 990

Title Supervisor Dist. # 3

Farmington, New Mexico



STATE OF NEW MEXICO	
OIL CONSERVATION COMMISSION	
AZTEC DISTRICT OFFICE	
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