NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Basin	n = .75	DK	RA

87-265

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			San Juan 28-6 Unit No. 156		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
K	29	28	6	EPNG	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
4.500	4.052	7782	1.900	1.610	7729
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 7496 TO 7740		CASING	TUBING XX	.631	4877
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 8-7-71 TO 8-15-71			5-26-71		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
---	---	---	---	0	0	395
(h) Corrected Meter Pressure (g+e)	**(i) Avg. Wellhead Press. P_t= (h+f)**	**(j) Shut-in Casing Pressure (DWt)**	**(k) Shut-in Tubing Pressure (DWt)**	**(l) P_c= higher value of (j) or (k)**	**(m) Del. Pressure**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
395	395	2705	2659	2705	P_d= 50 %P_c 1353	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
785	1.0000	1.0000	Q = 785 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2$ (1000)	$R^2 = (1-e^{-s})(F_c Q_m)^2(1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.299	166955	49919	156025	205944	454

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 785 \left[\left(\frac{5486416}{7111081}\right)^n = (.7715)^n = .8232\right] = 646 \text{ MCF/D}$$

REMARKS:

New well, 1st del. 7-23-71.

SUMMARY OK

Item h	395	Psia
P_c	2705	Psia
Q	785	MCF/D
P_w	454	Psia
P_d	1353	Psia
D	646	MCF/D

Company El Paso Natural Gas Company
By H. E. McAnally
Title
Witnessed By
Company

RECEIVED
SEP 8 1971
OIL CON. COM.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: El Paso Natural Gas Company

Address: P. O. Box 4289, Farmington, NM 87499

Reason(s) for filing (Check proper box)

- [ ] New Well
- [ ] Recompletion
- [ ] Change in Ownership
- Change in Transporter of:
  - [ ] Oil
  - [ ] Casinghead Gas
  - [ ] Dry Gas
  - [X] Condensate

Other (Please explain)

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
San Juan 28-6 Unit	156	Basin Dakota	State, (Federal) or Fee	SF 079050

Location

Unit Letter K : 1490 Feet From The South Line and 1840 Feet From The West

Line of Section 29 Township 28N Range 6W , NMPM, Rio Arriba County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]: Meridian Oil Inc.
Address (Give address to which approved copy of this form is to be sent): P. O. Box 1599, Aztec, New Mexico 87410

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]: El Paso Natural Gas Company
Address (Give address to which approved copy of this form is to be sent): P. O. Box 4289, Farmington, NM 87499

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	K	29	28N	6W		

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: *Complete Parts IV and V on reverse side if necessary.*

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Peggy Cole
(Signature)
Drilling Clerk
(Title)
5-1-86
(Date)

OIL CONSERVATION DIVISION

APPROVED JUN 1 19 86

BY Frank T. Chavez

TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.