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FILE

U.S.G.S.

LAND OFFICE

TRANSPORTER

OIL

GAS

OPERATOR

PRORATION OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104

Supersedes Old C-104 and C-110

Effective 1-1-65

I. 

Operator

El Paso Natural Gas Company

Address

Box 990, Farmington, New Mexico

Reason(s) for filing (Check proper box)

Other (Please explain)

New Well

Recompletion

Change in Ownership

Change in Transporter of:

Oil

Casinghead Gas

Dry Gas

Condensate

See Workover Details on Back

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name

Hughes

Well No.

7

Pool Name, Including Formation

Blanco Mesa Verde

Kind of Lease

State, Federal or Fee

Location

Unit Letter

M

1170

Feet From The

South

Line and

850

Feet From The

West

Line of Section

29

Township

29N

Range

8W

NMPM,

San Juan

County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil

El Paso Natural Gas Company

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

Box 990, Farmington, New Mexico

Name of Authorized Transporter of Casinghead Gas

El Paso Natural Gas Company

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

Box 990, Farmington, New Mexico

If well produces oil or liquids, give location of tanks.

Unit

M

Sec.

29

Twp.

29N

Rge.

8W

Is gas actually connected?

When

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

IV. COMPLETION DATA

Designate Type of Completion - (X)

Oil Well

Gas Well

New Well

Workover

Deepen

Plug Back

Same Res'tv.

Diff. Res'tv.

Date Spudded

W/O 9-8-65

Date Compl. Ready to Prod.

W/O 9-21-65

Total Depth

5384

P.B.T.D.

C.O. 5361

Pool

Blanco Mesa Verde

Name of Producing Formation

Mesa Verde

Top Gas Pay

4594

Tubing Depth

5247

Perforations

5166-74; 5186-90; 5202-10; 5221-25; 5236-44; 4594-4602; 4616-24; 4664-72; 4682-86; 4698-4706

Depth Casing Shoe

5384

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE

CASING & TUBING SIZE

DEPTH SET

SACKS CEMENT

13 3/4"

9 5/8"

173'

125 Sks.

8 3/4"

7"

4522'

227 Sks.

6 1/4"

4 1/2"

5384'

170 Sks.

2 3/8"

5247'

Tubing

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks

Date of Test

Producing Method (Flow, pump, gas lift, etc.)

Length of Test

Tubing Pressure

Casing Pressure

Choke Size

Actual Prod. During Test

Oil - Bbls.

Water - Bbls.

Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D

Length of Test

Bbls. Condensate/MCF

Gravity of Condensate

Testing Method (pitot, back pr.)

Tubing Pressure

Casing Pressure

Choke Size

Calculated A.O.F.

762

887 ;

3/4"

VI. CERTIFICATE OF COMPLIANCE

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

OR'G'NAL SIGNED E. S. OBERLY

Petroleum Engineer

September 30, 1965

APPROVED OCT 6 1965

BY Original Signed Emery C. Arnold

TITLE Supervisor Dist. # 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 Sections I, II, III, and VI only 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.

9-8-65 Cut stuck tubing at 4630', pulled tubing.

9-9-65 Set cement retainer at 4415', squeezed open hole w/200 sacks Class "A" cement, w/1 1/4 cu. ft. Koalite/sk., and 100 sacks Class "A" cement w/10% sand, 2% calcium chloride, final pressure 1000#, held 1200# on 7" casing throughout job. Shot 2 squeeze holes at 2044'. Set cement retainer at 1914', squeezed w/100 sacks Class "A" cement, 2% calcium chloride, final pressure 600#, held 500#, 1200# on annulus.

9-10-65 Drilled out cement and retainer at 1914'. Tested perfs at 2044' w/400# O. K. Blew casing down to 3000', hole started making water. Set cement retainer at 1895'. Held 1200# on backside, pumped in 17 barrels at no pressure. Squeezed 7" w/175 sacks Class "A" cement, 3% calcium chloride. Final pressure 1500#, held 1300#.

9-12-65 Drilled out retainer at 4415' and cement to 4534'.

9-13-65 Drilling whipstock hole w/gas.

9-15-65 Total depth 5384'. Ran 166 joints 4 1/2", 10.5#, J-55 casing (5374') set at 5384' w/170 sacks Class "A" cement, 1 1/4 cu. ft. Koalite/sk., 2% gel.

9-16-65 Tested casing to 4000#/30 minutes O. K. Perf. Point Lookout 5166-74' w/2 SRF; 5186-90' w/4 SRF; 5202-10' w/2 SRF; 5221-25' w/4 SRF; 5236-44' w/2 SRF. Frac w/50,000# 20/40 sand, 46,440 gal. water w/1# FR-8/1000 gal., max. pr. 4000#, BDP 4000#, tr. pr. 2000, 2600-3100-2900#. Flushed w/4300 gal. water, I.R. 47 BHM, dropped 4 sets of 16 balls each. ISIP vacuum. Set bridge plug at 4750', perf. Cliff House 4594-4602, 4616-24, 4664-72' w/2 SRF; 4682-86' w/4 SRF; 4698-4706' w/2 SRF, Frac w/50,000# 40/60 sand, 44,950 gallons water w/1# FR-8/1000 gal., Max. pr. 4500#, BDP 1900#, tr. pr. 3100-3800-4500#. ISIP 600#, 5 min SIF 300#.

9-17-65 Blowing sand and water. Drilling bridge plug.

9-18-65 Dropped drill string from Kelly sub, found 4 1/2" casing had come up into BOP.

Recovered 3 joints and cut off 105' w/casing spear. Ran casing back and screwed into sub and pulled 4 more joints casing.

9-19-65 Ran tubing and screwed into drill string. Started pulling tubing and picked up casing. Set tubing on bottom and backed off tubing. Pulled 44 joints of casing. Total of 1675' of casing pulled. Pulled all tubing and bit. Ran spear and inside cutter, cut and pulled a 16.23' piece of 4 1/2" casing, top of stub at 1701'. Ran 53 joints of 4 1/2" casing w/Bowen Lead Seal casing patch and tied onto stub. Pulled 3500# on casing and set slips in head. Ran 166 joints 2 3/8", 4.7#, J-55 tubing (5239') landed at 5247'. Cross pin collar at 5245.58', ran 2 HOWCO top rubber wiper plugs in short nipple below cross pin collar for back pressure control.

9-21-65 Date well was tested.

9-28-65