

JOHN L. VACUUM, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PHILLIPS PETROLEUM CO.
E. VACUUM GRAYBURG S.A. UNIT 3229-005

DATE : 5-6-79
FORMATION : GRAYBURG

FILE NO : 3202-11118
ANALYSTS : NEFF

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	FOR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
699	4891.0-92.0	39.	31.	12.1	16.5	30.7	2.83	DOL, ANHY, STY, SL/F, V
700	4892.0-93.0	24.	22.	13.7	10.4	35.5	2.85	DOL, SL/ANHY, STY, SL/F, SL/V
1	4893.0-94.0	38.	35.	13.6	23.0	25.7	2.85	DOL, SL/ANHY, STY, SL/F, V
702	4894.0-95.0	13.	9.8	11.2	15.8	31.6	2.86	DOL, SL/ANHY, STY, SL/F, V, FOSS
703	4895.0-96.0	11.	6.4	0.9	10.1	35.3	2.84	DOL, SL/ANHY, STY, SL/F, V, FOSS
704	4896.0-97.0	4.2	3.7	8.2	10.1	34.5	2.86	DOL, ANHY, STY, SL/F, V, FOSS, SHR
705	4897.0-98.0	5.6	5.2	9.9	12.5	31.3	2.85	DOL, ANHY, STY, SL/F, V, FOSS
706	4898.0-99.0	16.	10.	11.4	10.3	27.6	2.86	DOL, SL/ANHY, STY, SL/F, V, FOSS
707	4899.0-00.0	64.	35.	15.7	19.4	25.1	2.87	DOL, SL/ANHY, STY, SL/F, V, FOSS

INDICATES FLUG PERM

INDICATES PRESERVED SAMPLE

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

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DATE & TIME

FILE

DATE

LAND OFFICE

TRANSPORTER

OIL

GAS

OPERATOR

PRODUCTION OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form O-104

Supersedes Old O-104 and O-105

Effective 1-1-65

API No. 30-025-26230

Phillips Petroleum Company

Room 401, 4001 Penbrook Street, Odessa, Texas 79762

Reason(s) for filing (Check proper box)

New Well

Change in Transporter of:

Oil

Dry Gas

Change in Ownership

Crudehead Gas

Condensate

Other (Please explain)

If change of ownership give name and address of previous owner: None

DESCRIPTION OF WELL AND LEASE

Lease Name

Well No.

Pool Name, including Formation

Kind of Lease

Lease No.

East Vacuum Grayburg/San Andres, Tract 3229

005

Vacuum Grayburg/San Andres

State, ~~NEW MEXICO~~ State

B-1576

Location

Unit Letter

Feet From The

Line and

Feet From The

M

1110

South

1290

West

Line of Section

Township

Range

County

32

17-S

35-E

Lea

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil

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

Texas - New Mexico Pipe Line

P.O. Box 2528, Hobbs, N.M. 88240

Name of Authorized Transporter of Crudehead Gas

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

Phillips Petroleum Company

4001 Penbrook Street, Odessa, TX 79762

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

Unit

Sec.

Twp.

Rge.

Is gas actually connected?

When

K

32

17-S

35-E

Yes

6-13-79

COMPLETION DATA

Designate Type of Completion - (X)

Oil Well

Gas Well

New Well

Workover

Deepen

Plug Back

Same Res'v.

Diff. Res'v.

X

X

Date Spudded

Date Compl. Ready to Prod.

Total Depth

P.B.T.D.

4-24-79

5-19-79

4900'

4822'

Elevations (DF, RKB, RT, GR, etc.)

Name of Producing Formation

Top Oil/Gas Pay

Tubing Depth

3965' GR 3975 RKB

Grayburg/San Andres

4060'

4350'

Perforations

Depth Casing Shoe

4372' - 4626'

4877'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE

CASING & TUBING SIZE

DEPTH SET

SACKS CEMENT

17-1/2"

13-3/8"

352' (w/675 sxs Cl H w/2% CaCl & 1/4#/sx Flocele in 1st 150 sxs Disp plug to 326'.

12-1/4" X 8-1/2"

7"

4877' (w/1750 sxs TLW w/12# salt 10% Dia-D, 1/4# Flocele & 3# Gilsontite per sx rail in w/100 sxs Cl H w/8# sx salt.

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

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

2-7/8"

4350'

Date First New Oil Run To Tanks

Date of Test

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

6-13-79

6-20-79

Pumping

Length of Test

Tubing Pressure

Casing Pressure

Choke Size

24 hours

Actual Prod. During Test

Oil-Bbls.

Water-Bbls.

Gas-MCF

328

1

161

GAS WELL

Actual Prod. Test-MCF/D

Length of Test

Bbls. Condensate/MMCF

Gravity of Condensate

Testing Method (flow, test pr.)

Tubing Pressure (shut-in)

Casing Pressure (shut-in)

Choke Size

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.

W. J. Mueller

Senior Engineering Advisor

June 29, 1979

OIL CONSERVATION COMMISSION

JUL 5 1979

APPROVED

BY

TITLE

SUPERVISOR DISTRICT 1

This form is to be filed in compliance with RULE 1103.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a certificate of the maximum length of the well in accordance with RULE 1104.

All entries of this form must be filled out completely for all entries on new or existing wells.

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