NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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I.

Operator _Continental Oil Company_

Address _P.O. Box 1460, Hobbs, New Mexico 88240_

Reason(s) for filing (Check proper box)

New Well [✔]   Change in Transporter of: Other (Please explain)
Recompletion [ ]   Oil [ ]   Dry Gas [✔]
Change in Ownership [ ]   Casinghead Gas [ ]   Condensate [ ]

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.
Navajo 29-11	_10_	_Gallindus P.C._	State, Federal or Fee _NM-18317_	

Location

Unit Letter _A_ ; _986_ Feet From The _North_ Line and _790_ Feet From The _East_

Line of Section _14_ Township _29N_ Range _4W_ , NMPM, _Rio Arriba_ County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [✔] _Northwest Pipeline Corp._	Address (Give address to which approved copy of this form is to be sent) _P.O. Box 1526 Salt Lake City, Utah 84110_

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected? _No_	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'v.	Diff. Res'v.
		✔	✔					

Date Spudded _3-25-78_	Date Compl. Ready to Prod. _4-11-78_	Total Depth _4600'_	P.B.T.D. _4505'_

Elevations (DF, RKB, RT, GR, etc.) _GR 7435'_	Name of Producing Formation _Pictured Cliffs_	Top Oil/Gas Pay _4075'_	Tubing Depth _4275'_

Perforations		Depth Casing Shoe _4600'_

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 5/8"	501'	270
7 7/8"	4 1/2"	4600'	725
	1 1/4"	4275'	

V. TEST DATA AND REQUEST FOR ALLOWABLE
(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)

OIL WELL

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 _1371 CAOF_	Length of Test _3 Hrs._	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in) _1145_	Casing Pressure (shut-in) _1145_	Choke Size _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.

Ben M. Lee
(Signature)

Area Supvr.
(Title)

_4-26-78_
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____

BY _Original Signed by A. P. Hendricks_

SUPERVISOR

TITLE _____

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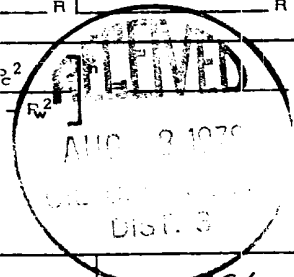
Separate Forms C-104 must be filed for each pool in multiply completed wells.

Type Test: [X] Initial [ ] Annual [ ] Special **Test Date** 7-27-75

Company Continental Oil Co. **Connection** Home

Pool Undesignated **Formation** Picture Cliff **Unit** A

Completion Date 4-11-75 **Total Depth** 4600' **Plug Back TD** 4505 **Elevation** 7435 **Farm or Lease Name** Conoco 29-4

Csg. Size 4½ **Wt.** **d** **Set At** 4600 **Perforations: From** 4080 **To** 4276 **Well No.** 10

Tbg. Size 1½" **Wt.** **d** **Set At** 42.75 **Perforations: From** **To** **Unit** A **Sec.** 14 **Twp.** 29 N **Rge.** 4W

Type Well — Single — Bradenhead — G.G. or G.O. Multiple GAS - Single **Packer Set At** **County** Rio Arriba

Producing Thru Tubing **Reservoir Temp. °F @** **Mean Annual Temp. °F** **Baro. Press. — P_a** 12.2 **State** New Mexico

L **H** **Gg** .597 **% CO_2** — **% N_2** **% H_2S** — **Prover** **Meter Run** 4.026" **Taps** Flg

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size X Orifice Size		Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI								1148	82°	72 Hrs
1.	4" X 1.125		91	16	64°	1079	65°	1083		2 Hrs
2.	4" X 1.125		103	35	56°	1008	64°	1021		2 Hrs
3.	4" X 1.125		123	49	54°	904	58°	931		2 Hrs
4.	4" X 1.125		163	60	69°	757	56°	812		2 Hrs
5.	4" X 1.125		121	42	69°	145	60°	438		12 Hrs

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	6.03	40.59	103	.9962	1.294	1.00	316
2	6.031	63.96	115	1.004	1.294	1.00	501
3	6.031	81.75	136	1.006	1.294	1.012	650
4	6.031	102.74	175	.9915	1.294	1.014	806
5	6.031	74.94	134	.9915	1.294	1.012	587

NO.	P_f	Temp. °R	T_f	z	
1					Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
2					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
3					Specific Gravity Separator Gas _____ X X X X X X X X X
4					Specific Gravity Flowing Fluid _____ X X X X X
5					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P_c 1160 **P_c^2** 1,346,064

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1095	1199463	146601
2		1033	1067502	278562
3		943	889626	456438
4		824	679306	666758
5		450	202680	1143384

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ _____

(2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]$

$AOF = Q \left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

Absolute Open Flow 660 **Mcfd @ 15.025** **Angle of Slope** θ 32° **Slope, n** .631

Remarks: _____

Approved By Commission: _____ **Conducted By:** D. Moore - WE Tucker **Calculated By:** Same **Checked By:** _____

G_1

G_2

Q_2

Log
$Q_1 = 1,100,000 = 6.0419$
$Q_2 = 2,600,000 = 5.4149$
$N = .222$

AOF = 660

ANGLE = 32°   N = .63

$Q = MCF/D$