

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.U.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATION	
PRODUCTION OFFICE	

Operator
Estoril Producing CorporationAddress
Suite 1120, Vaughn Building, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well ☒
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:

Oil ☐
Casinghead Gas ☐Dry Gas ☒
Condensate ☐

Other (Please explain)

Dual Completion

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name: Belco Federal Well No.: #1 Pool Name, including Formation: Antelope Ridge - Strawn Gas Kind of Lease: State, Federal or Fee Federal Lease No.:
Location: Unit Letter: 0 : 760 Feet From The South Line and 1980 Feet From The East
Line of Section: 15 Township: 23 South Range: 34 East, NMPM, Lea County

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 ☒	Address (Give address to which approved copy of this form is to be sent)
Gas Company of New Mexico	1800 First International Bldg, Dallas, TX 75270
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	Yes March 7, 1981

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

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res
		X						
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
6/12/80	2/4/81	13239	13239					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
3410GL, 3427 DF	Strawn	12,002'	12,870'					
Perforations			Depth Casing Shoe					
Strawn 12,178 to 13,100'			11776					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/4	16"	610'	400 Sax Class "C"
12-1/4	10-3/4"	5100'	7650 Sax Class "C"
8	7-5/8" 2-3/8"	11776' 11732'	1500 "H" plus -600 Clas
6-1/2	5-1/2" 2-7/8"	Liner 12870	"C"

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)

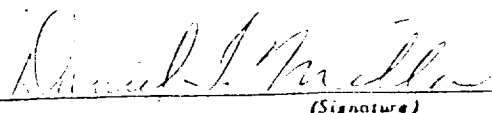
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil-Bble.	Water-Bble.
		Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bble. Condensate/MMCF	Gravity of Condensate
3000	4 hours	30.8/500	57° API
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
	4808 flow	2000	7/14/64"

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 above is true and complete to the best of my knowledge and belief.



Agent for Estoril Producing Corporation

(Title)

April 10, 1981

(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE SUPERVISOR DISTRICT

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.

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial		☐ Annual		☐ Special		Test Date 1-27-81	
Company Estoril Producing Corporation				Atmosphere			
Pool Antelope Ridge				Strawn			
Completion Date 1-26-81		Total Depth 13,285		Elevation 3412 Gr.		Unit 0	
Casing Size 75/8		Set At 11776		Perforations: From 12,002 To 12,178		Well No. 1	
5 1/2" Liner		Set At 11353-13167		Perforations: From Open Ended		Unit Sec. Twp. R. 0 15 23S 34E	
Tubg. Size 2 3/8		Set At 11,320		From		County Lea	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual G.G. Multiple				Packer Set At 11,360		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 192 @ 11,320		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2	
L 11,320		H 11,320		G _g .6441		% CO ₂ .413	
				% N ₂		% H ₂ S	
				1.235		-0-	
				Prover		Meter Run 4"	
						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											
1.	4	X	1.750	890	8"	88°	6550	52	Pkr.	choke	24 Hr
2.	4	X	1.750	890	18"	74°	6100	59		7/64	2 Hr
3.	4	X	1.750	900	42"	61°	5802	62		9/64	1 Hr
4.	4	X	1.750	900	58"	53°	5222	65		11/64	1 Hr
5.							4808	65		14/64	1 Hr

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{pr}}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.93	85.00	903.2	.9741	1.246	1.095	1686
2	14.93	127.51	903.2	.9868	1.246	1.111	2600
3	14.93	195.84	913.2	1.000	1.246	1.130	4117
4	14.93	230.14	913.2	1.007	1.246	1.134	4889
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	1.35	548	1.39	.834	45.7	
2.	1.35	534	1.36	.810		
3.	1.35	521	1.32	.783		
4.	1.37	513	1.30	.777		
5.						

P _c 6563.2	P _c ² 43,076	Gas Liquid Hydrocarbon Ratio	45.7	Mcf/bbl.
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	6126.4	37533	5543	
2	5847.6	34195	8881.2	
3	5319	28290	14786	
4	4941.1	24414	18662	
5				

Absolute Open Flow		11,074	Angle of Slope	47°13'	Slope, n	.92536
Remarks:						
Approved By: Commission: Conducted By: Calculated By: Checked By:						