SKELLY OIL COMPANY

Box 38, Hobbs, New Mexico February 16, 1960

> PM 3:36 C. RAM COST

Rec- 2/29/60 Jun Mar 30 Re: APPLICATION OF SKELLY OIL COMPANY FOR A GAS-GAS DUAL COM-PLETION IN THE BLINEBRY GAS POOL AND THE TUBB GAS POOL AND FOR APPROVAL OF AN UNORTHODOX WELL LOCATION AND AN 80 ACRE NONSTANDARD PRORATION UNIT.

JSL - 211 JSP - 511

New Mexico Oil Conservation Commission P. 0. Box 871 Santa Fe, New Mexico

Attentions Mr. A. L. Porter, Jr.

Gentleman:

With this letter, Skelly Oil Company is petitioning the Secretary of the New Mexico Oil Conservation Commission for edministrative approval for an order granting permission to dual complete their E. A. Sticher Well No. 4 as a gas well in the Tubb Gas Pool, and a gas well in the Blinebry Gas Pool, and for administrative approval for an unorthodox well location, and an 80-acre nonstandard proration unit in the Tubb and Blinebry Gas pools, Lea County, New Mexico, and in support thereof does state:

- 1. That the petitioner is the owner of an oil and gas lease held on 80-acres confined by N/2 SW/4 Section 4, Township 22 South, Range 37 East, N.M.P.M., Isa County, New Mexico, and concerns but one royalty owner.
- 2. That the petitioner's E. A. Sticher No. 4 is located 810' from the west line and 2130' from the south line of the section and was completed in April 1947, as an oil well in the Branson Oil Pool.
- 3. That the petitioner will dual complete their E. A. Sticher No. 4 in a manner described below, provided that after testing it is found the Blinebry some can be produced efficiently through the casing-tubing annulus: (fig. 1)
 - (a) Set a bridge plug at 6350" and cap with hydromite.

 - (b) Perforate Tubb in the interval 6022-6165*.
 (c) Set a Baker Model "D" Production Packer at 5920*.
 - (d) Set a retrievable bridge plug at 5800' and perforate the Blinebry in the interval 5608-5717.
 - (e) Pull bridge plug set at 5800' and run 2 3/8" OD tubing to produce the Tubb gas and allow the Blinebry gas to be produced through the casingtubing annulus.

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- 4. That if after testing it is found that the Blinebry gas zone cannot be efficiently produced through the casing-tubing annulus and it is possible to produce the Tubb gas zone effectively through the casing-tubing annulus the petitioner will install a crossover and the Blinebry zone will be produced through the 2 3/3" OD tubing thereby allowing the Tubb zone to flow through the annulus. (fig. 2)
- 5. That if after testing it is found that noither the Tubb or Blinebry somes can be efficiently produced through the casing-tubing annulus, the applicant will install two strings of 2 3/8" OD tubing, one to produce the Tubb gas and one to produce the Blinebry gas. (fig. 3)
- 6. That in support of the efficiency of annular flow for the Blinebry zone the applicant submits the following information on nearby Blinebry completions.

(a)	Socony Mobil Oil Co.: Brunson-Argo Well No. 6
	Located in Unit E, Sec. 10-225-37E
	Upper Completion: Blinebry Gas produced through casing-tubing annulus.
	Lower Completion: Tubb gas produced through tube ing.

Blinebry Zone Production Data

		Distillate	6 8 .5~
	Gas Prod.	Prod. bbls/	Liquid
Month	MCF/Mo.		Ratio
Sept. 1959	18,070	26	695,000
Oct. 1959	10,127	34	297.353
Nov. 1959	12,221	33	370,000
Dec. 1959	28,226	58	486,655

The above well has a 160 acre standard gas unit allowable.

(b) Gulf Oil Corporation: T. W. McCormick Well No. 9 Located in Unit P, Sec. 32-21S-37E. Upper Completion: Blinebry gas produced through casing-tubing annulus. Lower Completion: Drinkard oil produced through tubing.

Blinebry Production Data

Month		Gas Prod. MCF/Mo.	Distillate Prod. bbls/ <u>Mo.</u>	Cas- Liquid <u>Ratio</u>
Sept.	1959	10,609	122	86,959
Oct.	1959	14,092	99	142,343
Nov.	1959	7,461	90	82,900
Dec.	1959	11,836	145	81, 628

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The above well has a 160 acre standard gas unit allowable.

 (c) Fan American Oil Corporation: Eva Caens Mell No. 4 Located in Unit N, Sec. 34-215-37E. Upper Completion: Blinebry gas produced through casing-tubing annulus.
 Lower Completion: Drinkard oil produced through tubing.

Blinebry Production Deta

		Distillato	183-
	Gas Prod.	Prod. bbls/	11.712.1
Month	MCF/Mo.	Mos	State and the second
Sept. 1959	13,263	229	54,917
Cet. 1959	8,023	1.60	10,144
Nov. 1959	14, 631	2.70	\$6,065
Dec. 1959	14,831	264	56,175

The above well has a 160 ecre standard gas unit allowable.

 (d) Cities Service Oil Corporation: Brunson MED Hell No. 6 Located in Unit M, Sec. 3-22S-37E. Upper Completion: Blinebry gas produced through the casing-tubing annulus. Lower Completion: Brunson oil produced through tubing.

Blinebry Production Date.

		Distillate	and the state of t
	Gas Frod.	Prod. bbls/	Ligae
Month	MCE/No.	A CONTRACTOR OF THE OWNER	
Sept. 1959	6,011	<i>97</i>	61,969
Oct. 1959	5,864	98	53,837
Nov. 1959	5,702	98	18. J.C.
Dec. 1959	5,063	93	

The above well has a 160 acre standard gas white allowable.

- 7. That herein described procedures, which the petitioner has set out to complete the proposed dual completion, is both mechanically practical and conforms to the Commission's policies and specifications, as pertaining to gas-gas dual completions in the State of New Mexico.
- 8. That the entire N/2 SW/4 of Section 4-225-37E can be assumed productive of gas by virtue of offset production.

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BOX 2045

HOBBS, NEW MEXICO

	DATE_	Feb	. 25,	1960
OIL CONSERVATION COMMISSION BOX 871	Re:	Proposed	NSP	
SANTA FE, NEW MEXICO		Proposed	NSL	
		Proposed	NFC	
		Proposed	DC	<u>x</u>
Gentlemen:				
I have examined the application dated	2	/19/60		
for the	4-:	22-37		
Operator Lease and Well No.		S-T-R		
and my recommendations are as follows:				
If fluid problems are present, completion sho	ould b	e P aragra p	oh 5 o	f
ApplicationE.F.E.				

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Yours very truly,

OIL CONSERVATION COMMISSION

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