

SKELLY OIL COMPANY

Box 38, Hobbs, New Mexico

February 16, 1960

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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.

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

With this letter, Skelly Oil Company is petitioning the Secretary of the New Mexico Oil Conservation Commission for administrative 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 non-standard 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., Lea 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 Brunson 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 zone 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 casing-tubing 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 3/8" OD tubing thereby allowing the Tubb zone to flow through the annulus. (fig. 2)
5. That if after testing it is found that neither the Tubb or Blinebry zones 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. 10-22S-37E
Upper Completion: Blinebry Gas produced through casing-tubing annulus.
Lower Completion: Tubb gas produced through tubing.

Blinebry Zone Production Data

Month	Gas Prod. MCF/Mo.	Distillate Prod. bbls/ Mo.	Gas- Liquid Ratio
Sept. 1959	18,070	26	695,000
Oct. 1959	10,127	34	297,853
Nov. 1959	12,221	33	370,000
Dec. 1959	26,226	58	456,655

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

- (b) Gulf Oil Corporation: T. W. McCormick Well No. 9
Located in Unit F, 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/ Mo.	Gas- Liquid Ratio
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) Pan American Oil Corporation: Eva Owens Well No. 6
Located in Unit N, Sec. 34-21S-37E.
Upper Completion: Blinbry gas produced through casing-tubing annulus.
Lower Completion: Drinkard oil produced through tubing.

Blinbry Production Data

Month	Gas Prod. MCF/Mo.	Distillate Prod. bbls/ Mo.	Gas- Liquid Ratio
Sept. 1959	13,263	229	57,917
Oct. 1959	8,023	160	50,144
Nov. 1959	14,631	170	86,065
Dec. 1959	14,831	264	86,178

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

- (d) Cities Service Oil Corporation: Brunson #2 Well No. 6
Located in Unit M, Sec. 3-22S-37E.
Upper Completion: Blinbry gas produced through the casing-tubing annulus.
Lower Completion: Brunson oil produced through tubing.

Blinbry Production Data

Month	Gas Prod. MCF/Mo.	Distillate Prod. bbls/ Mo.	Gas- Liquid Ratio
Sept. 1959	6,011	97	61,969
Oct. 1959	5,864	93	59,837
Nov. 1959	5,702	93	58,184
Dec. 1959	6,063	93	65,195

The above well has a 160 acre standard gas unit 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 4-22S-37E can be assumed productive of gas by virtue of offset production.

Midland, Texas, May 16, 1947
Honorable J. B. Hines

May 16, 1947

9. That all oil and gas operators and all operators within a 1000 ft. radius of the subject well have been furnished with a copy of this application via registered mail this date.
10. That the unworked location is occasioned by the fact completion of Stanley's L. A. Sticher Well No. 4, which was previously drilled and completed in the Silsburger Formation of the Houston Pool on May 16, 1947, which was prior to the date of the special title (as Pool rules and special title rules and, therefore, qualifies for an administrative exception to Rule 2 Order A-52, with reference to the title and Rule 2 Order A-10, with reference to the Silsburger Pool.
11. That Stanley's L. A. Sticher Well No. 4 is the only well on this lease which is completed in the Hubbard and Silsburger Pools and that the proposed 80-acre non-standard operation was completed with all the requirements listed in Rule 2(a) of Order A-52 of the General Rules and Regulations for the Hubbard Pool and Rule 2(b) of Order A-10 of the Special Rules and Regulations for the Silsburger Gas Pool. The lease and royalty interest are common under the proposed unit.
12. That the above statements are true and correct to the best of my knowledge.

Wherefore, the petitioner requests that, in the interest of conservation and protection of correlative rights, the Secretary of the Interior grant an order which will allow the petitioner to drill complete Stanley's L. A. Sticher Well No. 4 in the manner described above.

Respectfully submitted,

SHERRY OIL COMPANY

J. M. Emuley

JED/10/47

cc:

American Petroleum Corp.
P. O. Box 107
Midland, Texas
Attention: Mr. E. E. Seifert

Sherry Oil Corp.
P. O. Box 860
Houston, New Mexico
Attention: Mr. A. A. Challinor
Noville, L. Penney, Inc.
1000 First Building
Fort Worth, Texas

Sinclair Oil and Gas Co.
P. O. Box 1000
Midland, Texas

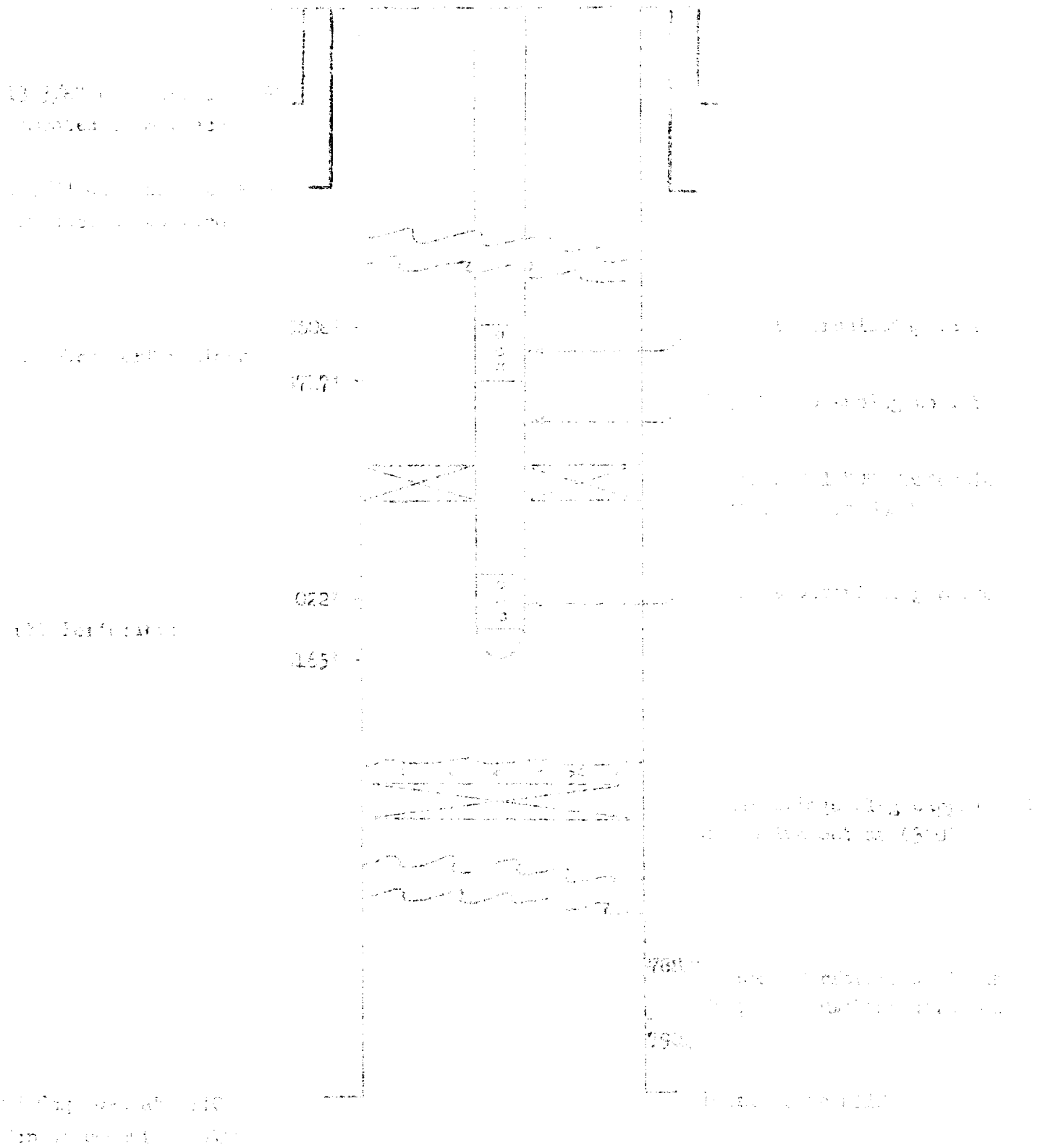
Tidewater Oil Company
P. O. Box 1000
Midland, Texas
Attention: Mr. R. J. Cox

Sherry Oil Corp.
P. O. Box 860
Houston, New Mexico
Attention: Mr. E. E. Seifert

Southern Petroleum Exploration Inc.
P. O. Box 1000
Houston, New Mexico

Geological Map of the
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FIG. No. 1.



Geological Map

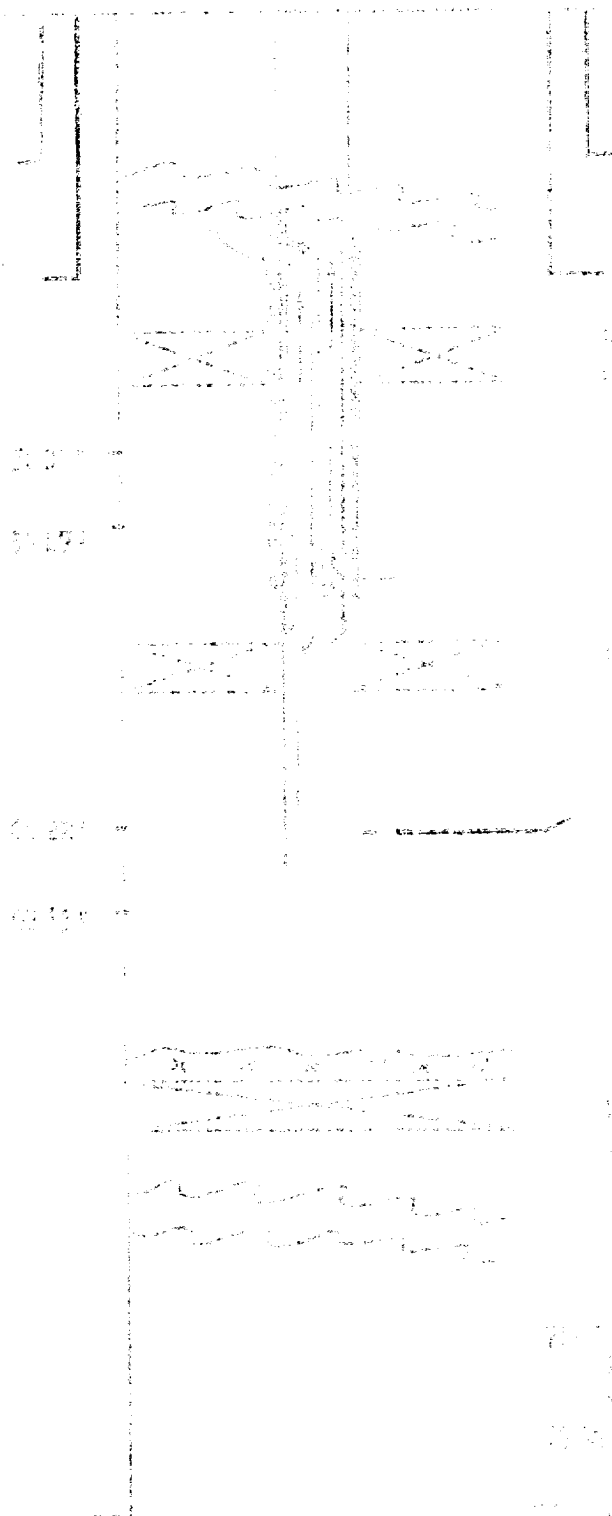
13-1/8" Cont. at 100'

2 1/2" Cont. at 100'

3 1/2" Cont. at 100'

4 1/2" Cont. at 100'

5 1/2" Cont. at 100'



13-1/8" Cont. at 100'

2 1/2" Cont. at 100'

3 1/2" Cont. at 100'

4 1/2" Cont. at 100'

5 1/2" Cont. at 100'

APPLICATION FOR DUAL COMPLETION

Field Name <u>Blindburg (Oil) and Adams (Gas)</u>		County <u>Lin</u>	Date <u>February 14, 1960</u>
Operator <u>Skelly Oil Company</u>		Lease <u>R. A. Schuler</u>	Well No. <u>4</u>
Location of Well	Unit <u>L</u>	Section <u>4</u>	Township <u>23S</u>
		Range <u>37E</u>	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO
2. If answer is yes, identify one such instance: Order No. 16; Operator, Lease, and Well No.:

Energy Mobil: Johnson - Jingo Well No. 6

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<u>Blindburg</u>	<u>Rob</u>
b. Top and Bottom of Pay Section (Perforations)	<u>5500-5717</u>	<u>6000-6145</u>
c. Type of production (Oil or Gas)	<u>Oil and Gas</u>	<u>Gas</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>	<u>Flowing</u>

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- No c. Waivers consenting to such dual completion from each offset operator; or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Shell Oil Company, Box 1145, Roswell, New Mexico

South Petroleum Development, Inc., P. O. Box 1017, Roswell, New Mexico

Gulf Oil Corporation, Box 763, Roswell, New Mexico

Tidewater Oil Company, Box 1231, Midland, Texas

Asarusa Petroleum Corporation, Box 312, Midland, Texas

Sinclair Oil and Gas Company, Box 1470, Midland, Texas

Panrose, Mobile Co., Incorporated, 1813 Fair Building, Ft. Worth, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO . If answer is yes, give date of such notification February 10, 1960.

CERTIFICATE: I, the undersigned, state that I am the Dist. Supt. of the Skelly Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.