DHC - $\frac{2 \times 7}{D_{HC} - \frac{7}{24}/78}$ Gulf Oil Exploration and Production Company

June 30, 1978

P. O. Box 670 Hobbs, NM 88240

Re: Scarborough Estate No. 8 Unit L, Section 31-22S-38E Lea County, New Mexico

CERTIFIED-RETURN RECEIPT

PRODUCTION MANAGER, HOBBS AREA

Mr. Joe D. Ramey Energy and Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, NM 87501

Clinky Odd has So, Russen 200

Dear Sir:

C. D. Borland

Your administrative approval is requested for an exception to Rule 303-C to downhole commingle marginal production in the subject dually completed well. The Blinebry and South Brunson Ellenburger production on this lease is currently downhole commingled in the well bore of Well No. 5 under Order No. DHC-43.

There is no evidence of fluid incompatibility and we do not expect any waste or reservoir damage due to downhole commingling in the well bore. Ownership in the two pools is common, and correlative rights will not be violated. The Blinebry zone at present will not flow and downhole commingling will allow the recovery of additional hydrocarbons from this well. For the purpose of this application, expected production has been estimated from the Blinebry decline curve. Both zones will have to be pumped.

The subject well was drilled and dualled in the Blinebry and South Brunson Ellenburger zones in December of 1963. Attached is a complete history and production curves for each pool.

Upon completion of the subject well, Gulf will consult with the Supervisor of the Hobbs District Office of the Energy and Minerals Department to determine an allocation formula based on the subtraction method.

Should secondary recovery operations become practical in the future, the two zones could be separated at that time without damaging either reservoir.

Also attached are other pertinent data regarding this application as outlined in Rule 303c-2.

Yours very truly,

C. D. BORLAND

Attachments RDW/dch

cc: Energy and Minerals Department P. O. Box 1980 Hobbs, NM 88240

> Aztec Oil & Gas Company 1100 Wall Towers West Midland, TX 79701

Texaco Inc. P. O. Box 3109 Midland, TX 79701

Cities Service Oil Company P. O. Box 1919 Midland, TX 79701

Amoco Production Company P. O. Drawer A Levelland, TX 79336

A DIVISION OF GULF OIL CORPORATION

SCARBOROUGH ESTATE LEA COUNTY, NEW MEXICO

Α.	Operator: Gulf Oil Corporation, P. O. Box 670, Hobbs, NM 88240
в.	Lease and Well Name: Scarborough Estate No. 8 1830'FSL & 660'FWL Section 31-22S-38E, Lea County, New Mexico
C.	Pools and Dual Authorization: Blinebry Oil and South Brunson Ellenburger, OCC Order No. MC-1426, December 26, 1963
D.	Current Test: See attached Form C-116
E.	Decline Curves and Well History: Attached
F.	Estimated BHP: Bottom-hole pressure surveys and fluid level surveys in the area indicate 600 psi for the Blinebry zone and 375 psi for the South Brunson Ellenburger zone.
G.	Fluid Characteristics: Blinebry and South Brunson Ellenburger are currently being commingled in the well bore of Scarborough Estate No. 5 under Order No. DHC-43. There is no evidence of incompatibility.

H. Value of Commingled Fluids:

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	BOPD	API Gravity	<u>\$/Bb1</u>	Rev/Day
Blinebry Oil (Estimated)	10	34.8	\$ 14.77	\$ 147 . 70
South Brunson Ellenburger	5	38.7	14.92	74.60
Total	15			\$ 222.30
Commingled	15	36.1	\$ 14.85	\$ 222.75
Approximate Difference				(\$ + 0.45)

I All offset operators have been notified by copy of the attached letter:

Aztec Oil & Gas Company, 1100 Wall Towers West, Midland, TX 79701 Texaco Inc., P. O. Box 3109, Midland, TX 79701 Cities Service Oil Company, P. O. Box 1919, Midland, TX 79701 Amoco Production Company, P. O. Drawer A, Levelland, TX 79336

SCARBOROUGH ESTATE LEA COUNTY, NEW MEXICO

WELL HISTORY

BLINEBRY

γ.

Completed 1/31/64 Perforated 5 - 1" JH in a plane @ 5585', 5649', 5691', 5708' and 5733'. Treated w/325 gal 15% NE acid, fraced w/30000 gal oil w/l - 3# 20-40 SPG, Flwd 80 BOPD

SOUTH BRUNSON ELLENBURGER

Completed 1/31/64 Perforated w/2 - 1/2" JHPF 7813-23', 7826-36', 7340-59', 7864-86'. Treated w/6000 gal 15% NE FE acid Flwd 192 BOPD 11/24/64 3000 gal acid 3/15/65 Pumping equipment installed

Bottom pf 7886 max prod = 50 BOPD

C-116 Provisional 1-1-65

I hereby certify that the above information is true and complete to the best of my know- ledge and belief.	the abov the best	tify that mplete tu .ef.	I hereby certify is true and compl ledge and belief.	I he: is true ledge ;	b B B C C C C C C C C C C C C C C C C C	ihe pool in which well is 1at well can be assigned F. Specific gravity base	r the pool that well " F. Speci	, b wable fo the in order	test. rance	d on the official eding the top uni a 25 percent tole 25 psia and a ter	1 produce not excee re of this of 15.02	a rate r advantag ure base	the amo fuced at to take	er than be proc buruged ission. sured at	well shall or is enco the Commi MCF mea	No well will be assigned an allowable greater than the amount of oil produced on the official test. During gas-oil ratio test, each well abail be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
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Report casing pressure in lieu of tubing pressure for any well producing through casing.

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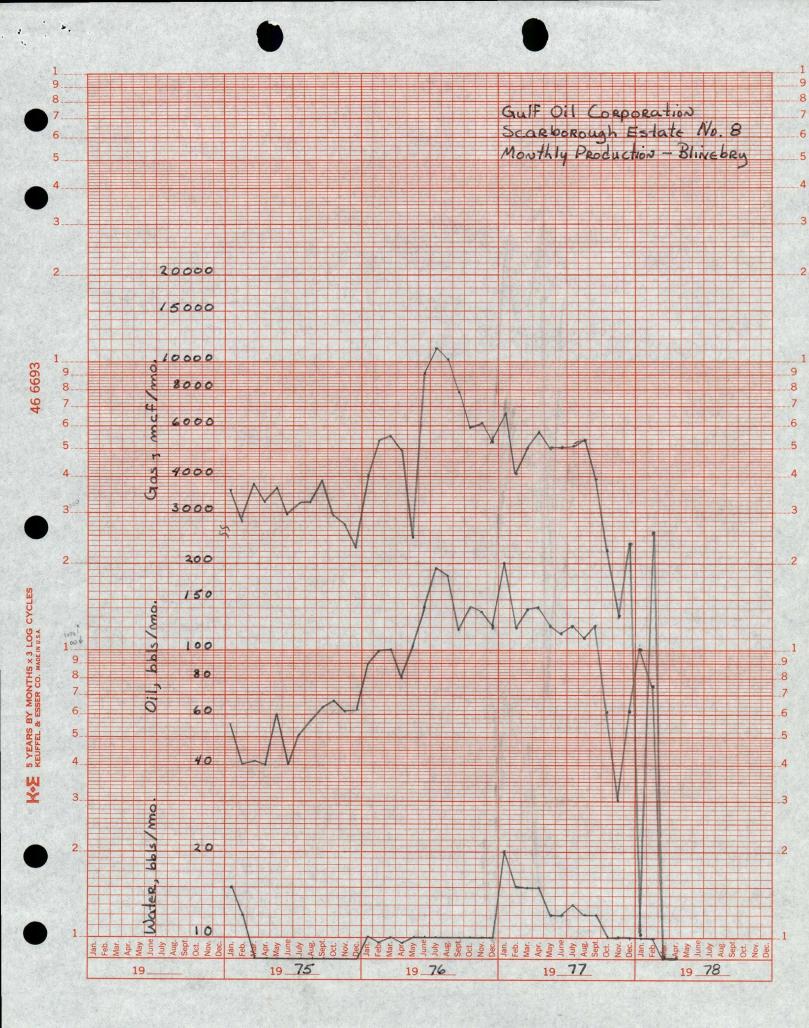
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Kell original and one copy of this report to the district office of the New Maxico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

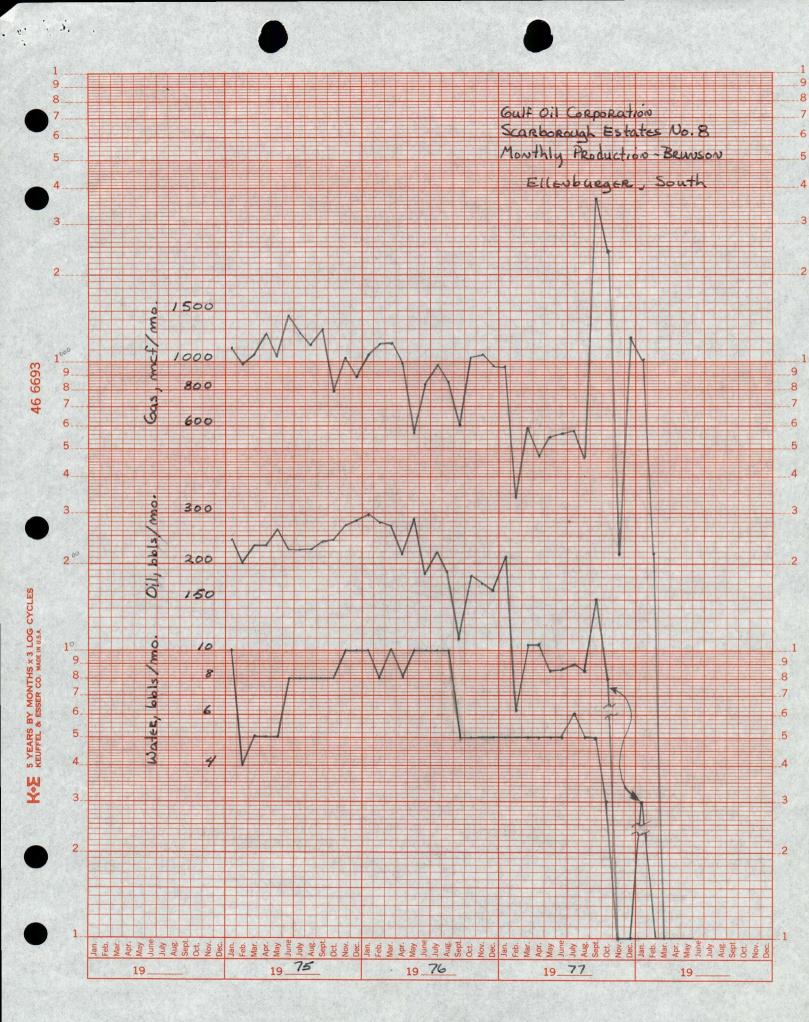
Well Tester

June 30, 1978 (Tide)

north (Signature)



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OIL CONSERVATION COMMISSION HOBBS DISTRICT

OIL CONSERVATION COMMISSION BOX 2088 SANTA FE, NEW MEXICO



DATE_____July 3, 1978

RE: Proposed MC ______ Proposed DHC _____ Proposed NSL _____ Proposed SWD _____ Proposed WFX _____ Proposed PMX _____

Gentlemen:

I have examined the application dated_______ for the__ Gulf Oil Corp. Scarborough Estate #8-L 31-22-38

Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

0.K.---J.S.

Yours very truly,