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:

۰,

	BOPD	API Gravity	<u>\$/Bb1</u>	Rev/Day
Blinebry Oil (Estimated)	10	34.8	\$ 14.77	\$ 147 <b>.</b> 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.
5000	25.0	<b>л</b>	38.7	0	24	б	140	2"w/o	۳ <b>ب</b>	6-25-78	38	22	31	Ч	00	Scarborough Estate
GAS - OIL RATIO CU.FT/BBL	TEST CAS M.C.F.		<u> </u>	Bals.	LENCTH OF TEST HOURS	04124 4220%-	TBG. PRESS.	CHOKE	STATUS	DATE OF TEST	עכ	LOCATION	s Locy	с.	WELL NO.	LEASE NAME
S. Artes	Sala		ea Completion	Lea	County	th Co	South	Ellenburger, TYPE OF TEST - (X)	lenbu TYPE TEST	Brunson Elle	South Br		Pool		88240	Operation Gulf Oil Corporation Address P. O. Box 670, Hobbs, NM &

Report casing pressure in lieu of tubing pressure for any well producing through casing.

۰,

. .

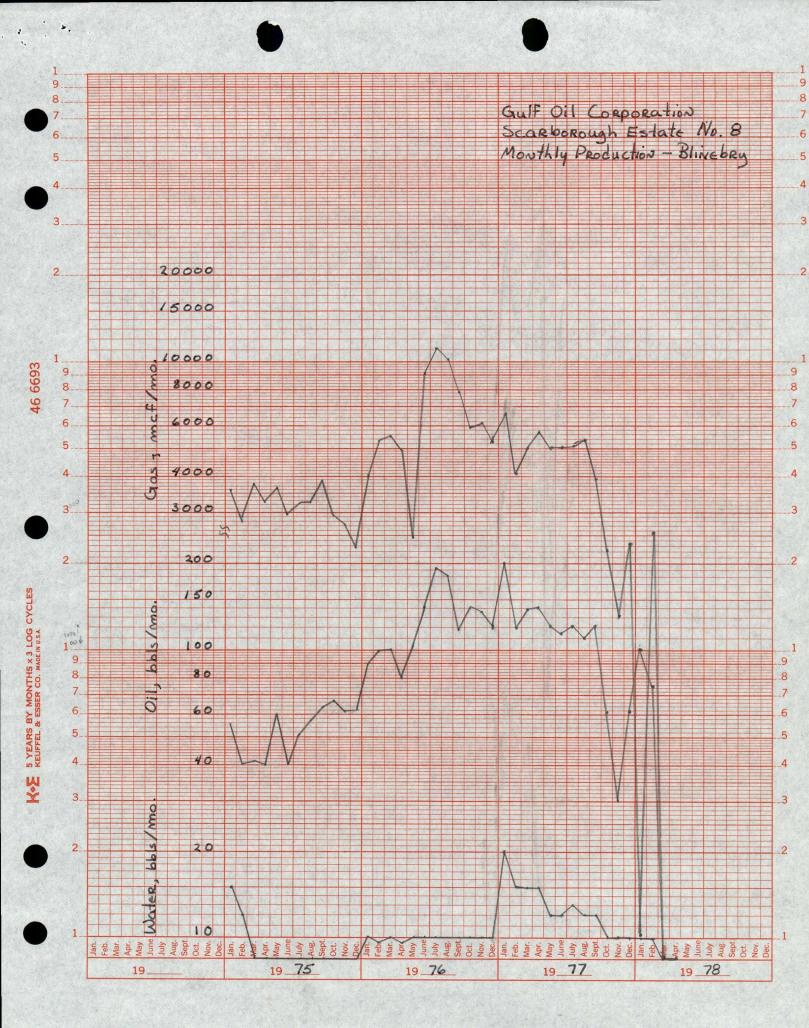
.

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.

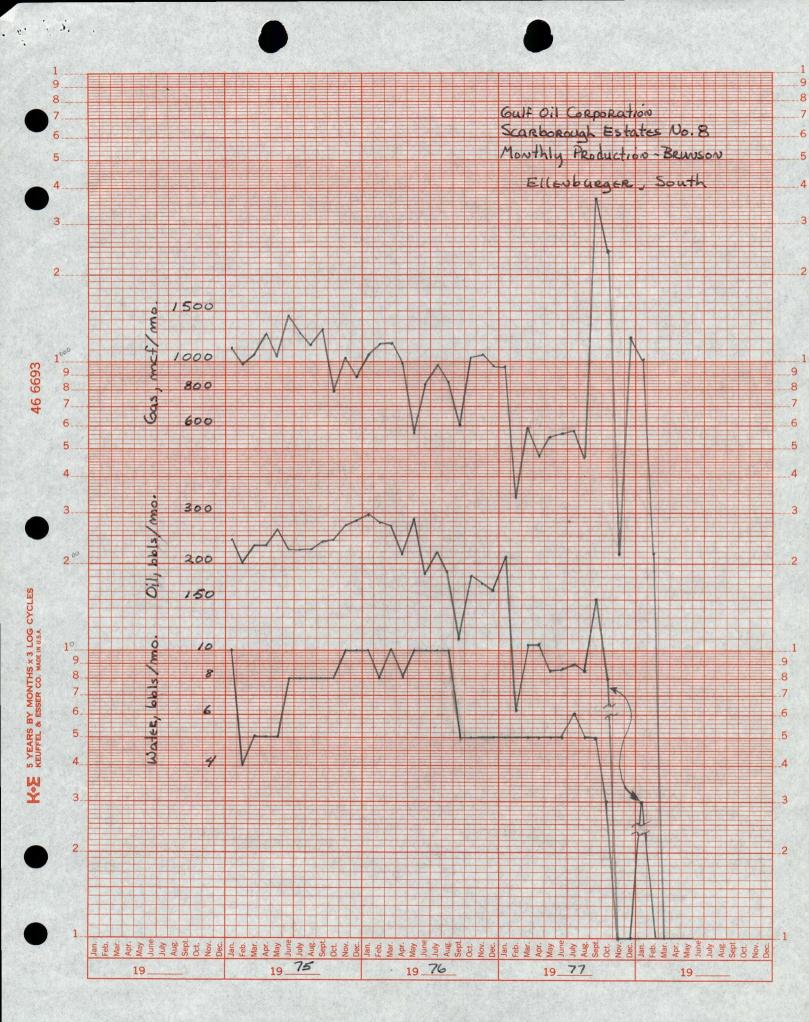
Well Tester

June 30, 1978 (Tide)

north (Signature)



BL



		982 A.		······································	endrin - sariat - 10 +	じ E 、、 美吉 6592	งท	15 10 	e xāc o • 5/4 .	2990 7 411antic Part 4629 L	-Richfield	년 Mar	ik <sup>p</sup> rod.		545 21		 westⅢ 6-81 L	LE LE
ANDO AU AU AU AU AU AU AU AU AU AU AU AU AU	A der ba	4	Hendrix	254 m	FISE OII	3 <u>N 6 P</u>	100 7100 201-05e	$\Phi \frac{2}{T}$	an Petrofina • <del>5</del> Butler etal (2010)	• <u>¢</u> 8	€ <mark>10</mark>	<u> </u>	ne Royalty	1/			16-3-	A A S
	5 Sameda 27 24 T 24 o 20 2	₩¥ ₩¥	endrin			Butter Butter	€ <sup>1</sup> Aulf ka 0. R.	M+ S-America *Edi	nPetrofina	Lockhart- 5. W.S	4 • Det - Fed. (MCT-1) VITIS - S 8	E Texaco <u>2</u> Dr Do//ie Ba/lenger	•	Texaco A Niv			+ 4	-]
	0.1 50	US P. Di 6444		(1540) F.J.D. E.P.D. E.P.D.	199/25'e	Ac F Dangla Dr. Cent. Hen godc. /259	drix: 2/81-Di		ef al								1	
		V Sims	<b>*</b>	6469 €₹ 7305	وهوع دەمع	E Mara John H Hendma (estatof Q = "C"		320	Ac. 4 5856	(NC A. H. B. M(1 BI-T	inebry	ETexaco A.M. Drinkard-s Bit U.S.A-m A HBlinebry	/6. 3 • 81 T- ₩/77.	L.Nix	(MCT-1) • IP A. N. Blinebry-Fee	3-Lur.ar Oil & Gas 7560	-	
10.0054 404 404 90.000 90.000 90.000 90.000	X	2 <b>G</b> N-	2 % W	5 0 1 7377	● <sup>2</sup> 6895	4 Casso tor 3 GW	€ <sup>2</sup> Dr	Gulf Ret BI-T	taineg 100%	(NC)	• <sup>39</sup> T-1)	¥ <sup>17</sup> ₿ŀ-7	15-Te 22 H 21-T (	20	관 ·	Ţ,		
041 E 1.80 041 E 1.80	e-Sket		usita ( -) s		7447	L. Munc Eliseno/with	UBBY NEOR.	60 8 67 1 VIV	timero	26502 Winter	nebry rinkalds A-m nanksiesaa	€ <u>16</u> 56	€21 BH-T <i>U</i> .	5.Am	s ● <sup>12</sup>		.5. A,-m	- <u> </u> 5
1 <sup>-1</sup> 2 5 80	6430 A A 6452 A.B.L	. 8164 :4 Caçuinsi ( A'''t	E A Watbinks	23283 • ¥2 HP	47640 47640	BOAC ST	B" B BFT	H R 201 1 Tankinte 54 40 Ac. 47 64 1 47 64 1 47 64 1 47 64 1 47 64 1 47 64 1		502 Wive 507 Vive 507 Vive 507 200 7 2000 7 200 7 200 7 200 7 200 7 200 7 200 7 200 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	26068 10-3-47 0 44 6	A. H. B/ 13/81-Dr		CT-1) •26 BIT	Xmas Unit	5.	H.B.P (NCT-U) TUB8 GA5 ND.1031	TEXA
₿. P			Lampheil •1. •11 orch 1520 AZAUTE	(Sims-Oben) UTex Rec.Oil Lite Drinkerd Ella	6 W Sing-Guff Colsen Oils 2 Inc. 315 Tolka 231		Anaoda Sions	D Bwistern Oll Field Anc. B B B B B B B B B B B B B B B B B B B	26502 1-9-47 26502 1-9-47		A Drinkard	82 201 30 81	48 Ac. 45 001-T		12.4E M. T.	A.H.Blineb	28́₃ I ⊕₽́; ≒	
Coll "Coll "Shill May"		E Armer	R.Sims Allie M. .ee et al	G.W.Sims 120A Gulf Vie (Summit	c. Amai	da Sil anly to L Sil anly to L Sulf West all Sulf (West all Sil a to bi	n Dil 2 uso of Perm. I J.R. Fieldsinc) Se Perm.	D <sup>2</sup> 520 C 4 F 520 C 4 F 5	Post and a start of the start o	7 6604'	40 Ac 26067 6521 1 HP 811 (MCT-B)	5 (NC A. H E U. S	1200 r-2) 2 Bit Minebry A-m		653 2 1-BI	· · · · · · · · · · · · · · · · · · ·	25 •TT •U.S.A	
- I	R.G. Batton etal-m odarke	Auga Blimebry-Di	ga Inc Tinkard WD- A-35 Ø	6284 PBi (Sheil) E Guif (West Dil Fields-Opr	27179 2-20-38 HP	Suff (westall CP /523 80 10-11 Lea-St. Dr V G35 Dr V Strn GU	32 53) AC 53) AC 160AC 01 FIRME D 6 50%	¥8⊢T Tom Lineberry	(NCT-3) A. H. Blineb	₩60.R. ♥ ₩ ₩ ₩ ₩		€ <u>7</u> "5"	• <del>†</del>					
Merca S Petro- Search	e3	5	lay	Harry Lean Guiff the D 13 Aztec	?≞31	6:			-7 -11-E	30747 10-6-4 BI-E	s)	Servies BI-T	E-PanAmer H	DC 16-1	528 0-45 8	[	 33-3-	╢
Fluor		.Sims-s			i <u>State</u> Merada Per N.B.P State	, in the second	80-36" BI	Tom Lineberry	56-Y (NCT-	DE ORION: A Exaco 7975 (WD-3 -4) B-7 I. Skine bry		•₽ ● <sup>3</sup> ● <u>4</u>	"7" ●1	4	● <mark>7</mark> ਜ	A.H.Bline bry T.Lint U.S		5
Monck	3 • • • • • • • • • • •	13-Sheil H.B.P. 1	45.51 Ac 191.14 9-20-38 HP Ace	4	<u> </u>	Pike		• 4 	27205 3-19-40P HP HP HP HP HP HP	B B H&Hedric	BFT-Dr● J.S.A.	Ki 4 Sal-T-Dr ISAnderson Prichard Western-Fee		E-Western Natural HBP	     t +	2 <u>4</u> • Abo	Managmen Bowden-Fe	
1 5636 I	-2 1	3720 Young F.	· 2:1-90 ·						Elliott	• <sup>¦</sup> डा 6		1 Ø 85/9		4500	arce//	Reterson- Fed.	1	
3-00 7-16 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ツ	15 Ame H.8	rada 2	8-Gordo	n M.Cone G. W.Sim.		15.Arco 11-1-82	11-1-82	н В.Р 	74987 Parce!!	Ø <sup>1</sup> 7080	igi 7130	Naturai `			E-Perky M Lewis 3-i-82	U.S.A. ]	21
	219	ate		6.81-Fe		ן ד <i>ד</i>   	Samedan 3-1-82	EMFCullocit 0. G 9177 OT Monument Draw	I M.B.P (	l <sup>s</sup> Del HB Sims-S A-m			I Cone	Tom Lineberry A-m	etal-s	T. Linebe U.	rry etal+; 5.А-т 6	] PS
15 D.M G. 160 2 5658 01	arlard 29 Pt	Solar	15 2 d	16 Garis 23 8*	nt	(* Da. + M 2*	Gartand 25	-		≋-Mc Culic 3-1-8	och 0. 2	3-1-82 *	<u>≸</u> ∙Doug 7~	las Wilson 1-83	-		Culloch 0 - 8-81 - ry et al-s - A-m	
W.P. 5/	— — ů		Abo		 	2	-		19-1-92					   8			5. <i>A</i> . 2/ 9—- <del>1</del>	
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	11 Glantzind 29 - 65	Abb Linebe		L"Darvid N 12-2	i Gariand 15-85					   		3-1-82	L <sup>o</sup> Dorothy Langley 9-1-85	₽. Doug 7-1-	las Wilson 183		الم المساجرين المساجرين	
Lineberry T. Houston	et al-s et al-m	→ U.S.A	m	Ton Lineberry U.S.	retal-s A-m	Rosa G U.S.	Vier-5 A-M	Tor	12-1-80 The Lineber U.S.	Imperial Al Mgmt[bibso Fo A-m A-m	mer: an- id}9921	M.Ga. U.S.,	ins-s 4m	Toi Lineberr U.S.I	y e+a/-s	110/102	Gaines-S	

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,