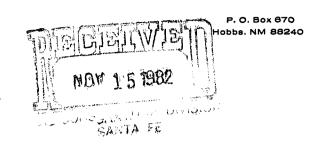
Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

Mr. Joe D. Ramey, Director New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501



Re: R. E. Cole (NCT-A) #9
Unit N, Section 16, T-22-S,R-37-E
Lea County, New Mexico

Dear Sir:

Your administrative approval is requested for an exception to Rule No. 303-C to permit down-hole commingling of Blinebry Oil and Gas and Drinkard production in the subject well.

Please find enclosed all pertinent data regarding this application as outlined in Rule No. 303-C.

Yours very truly,

R. C. Anderson

JNC/jm Enclosures

cc: Jerry Sexton

Hobbs District Office Oil Conservation Division Joe dominter 393-4121

Re: R. E. Cole (NCT-A) #9
Unit N, Section 16, T-22-S, R-37-E
Lea County, New Mexico

Approval is requested for an exception to Rule No. 303-C to permit down-hole commingling of Blinebry Oil and Gas and Drinkard production in the subject well. Blinebry and Drinkard production is currently being down-hole commingled in the R. E. Cole (NCT-A) #11 under Order DHC-350 dated 12/15/80.

The R. E. Cole (NCT-A) #9 was completed in the Drinkard pool 9/25/67. The Drinkard pool was temporarily abandoned 5/4/81, and the Blinebry Oil and Gas pool was completed.

Penrose Skelly, Blinebry Oil and Gas, and Drinkard production is being commingled in surface storage facilities on the subject lease under Commingling Order PC-615 dated 4/12/82; therefore, down-hole commingling will not affect the price. To date, there has been no evidence of fluid incompatibility so reservoir damage is not expected. Ownership in the two pools is common and correlative rights will not be violated.

Artificial lift was required to produce the Drinkard zone, and is currently needed to produce the Blinebry completion also. If an exception is approved, the existing pumping equipment will be used to produce both zones.

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

OFFSET OPERATORS

Amerada Hess Corporation

Box 840

Seminole, Texas 79360

Two States Oil Company

Box 176

Eunice, New Mexico 88231

Anadarko Production Company

Box 2497

Midland, Texas 79702

Wagner & Brown

Box 1714

Midland, Texas 79702

Arco

Box 1610

Midland, Texas 79702

Warrior, Inc. 206 N. Main

Midland, Texas 79702

Bettis, Boyle & Stovall

Box 1168

Graham, Texas 79046

Zia Energy Box 2463

Hobbs, New Mexico 88240

Carter Foundation Production Company

Box 900

Kermit, Texas 79745

Conoco

Box 1959

Midland, Texas 79702

Copies of this application will be sent via certified

mail to all Offset Operators.

Depco, Inc.

Box 427

Artesia, New Mexico 88210

Exxon

Box 1600

Midland, Texas 79701

Getty Oil Company

Box 1231

Midland, Texas 79702

John H. Hendrix Corporation

525 Midland Tower

Midland, Texas 79701

Shell Oil Company

Box 1509

Midland, Texas 79702

Sohio Petroleum Company

Box 3000

Midland, Texas 79702

Sun Exploration and Production Company

Box 1861

Midland, Texas 79702

- 2. Lease, Well and Location: R. E. Cole (NCT-A) #9, Unit N, 1075' FSL and 2395' FWL, Section 16, T-22-S, R-37-E, Lea County, New Mexico.
- 3. <u>Producing Zones</u>: Currently producing the Blinebry Oil and Gas pool, which is to be commingled with the Drinkard pool, if approved. The Drinkard pool has been temporarily abandoned since May, 1981.
- 4. Decline Curve: See Attached Sheet
- 5. Bottom Hole Pressures: See Attached Sheet
- 6. Fluid Characteristics: The Blinebry Oil and Gas and Drinkard pool are currently commingled in surface facilities located on the R. E. Cole (NCT-A) lease per Commingling Order PC-615, dated 4/12/82. To date, there has been no evidence of fluid incompatibility.
- 7. Well History: The well was spudded 8/14/67 and drilled to a total depth of 7335'. Seven inch production casing was set at 7334' with top of cement at 1990'.

9/25/67, following two unsuccessful Abo completions 7245'-69' and 7214'-30', the gross interval 6770'-6887' was perforated with $4(\frac{1}{2})$ ' JHPF. The zone was ball acidized with 4000 gallons 28% NEA in 4 stages. (Drinkard Zone)

2/20/74, the gross interval 6357'-6592' was perfed with 2(.72") JHPF. Spotted 600 gallons 15% NEA across perfs 6357'-6592'. Fractured 6357'-6887' in six stages 1000 gallons of 15% NEA, 12,000 gallons gelled water and 30,000 gallons gel containing 1 to 2 pounds of 20-40 sand per gallon. (Drinkard Zone)

9/2/76, ball acidized perfs 6357'-6592' with 7000 gallons 15% NEA (Drinkard Zone)

9/17/76, equipped Drinkard to pump.

1/22/77, squeezed perfs 6473'-6592' with 250 sacks class "C" cement (Drinkard Zone)

5/4/81, TA Drinkard, perforate the gross interval 5443'-5543' with $2(\frac{1}{2}")$ JHPF. Ball acidized the zone with 4000 gallons 15% NEFE "slick" acid in six stages and fractured in six equal stages with 60,000 gallons gelled brine containing 78,000 pounds 20-40 sand. (Blinebry Zone)

5/11/81, to repair annular water flow, perforated 1200' with 4 JH, pumped 300 sacks class "C" cement, raised top of cement to 1075'. Drilled out, perfs did not hold. Pumped 12 barrels 20% NEFE HC1, 300 sacks class "C" cement, cement circulated. Drilled out cement, began pumping Blinebry Zone.

- 8. Value of Commingled Fluids: Penrose Skelly, Blinebry Oil and Gas and Drinkard production is being commingled in surface storage facilities on the subject lease per Order PC-615 dated 4/12/82, therefore, down-hole commingling will not affect the price.
- 9. Current Production: See Attached C-116.

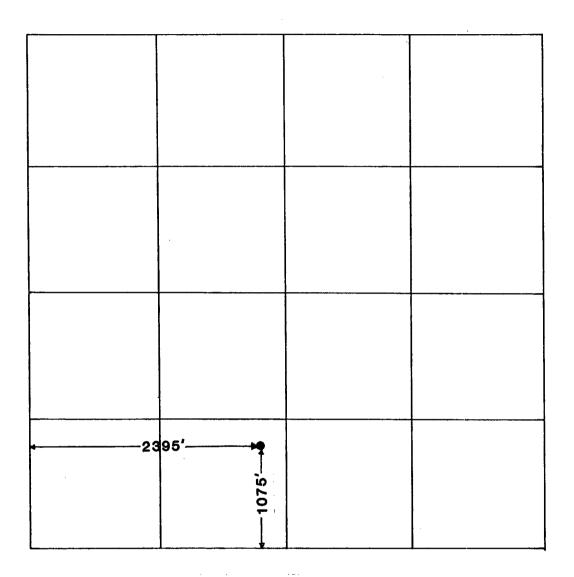


Suggested allocation of production

	Oil	Gas
Blinebry Oil and Gas	79%	86%
Drinkard	21%	14%

The suggested allocation of produced hydrocarbons is based on the percentages of oil and gas produced on the latest C-116.

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R.E. Cole (NCT-A) No. 9

1075' FSL and 2395' FWL Section 16, T22S-R37E



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OIL CONSERVATION DIVISION

P. O. BOX 2011

ENERGY WO MINERALS DEPARTMENT STATE OF NEW MEXICO

SANTA FE, NEW MEXICO 87501

Form C-116 Revised 10-1-78

GAS-OIL RATIO TESTS

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will be 0.60. Gas volumes must be reported in MCF measured at a pressure base of 15,025 pala and a temperature of 60° F. Specific gravity base

Report cooks preserve in iteu of tubing preserve for any well producing through cooking.

. Mail original and one copy of this report to the district office of the New Mexico Oli Conservation Division in accordance with fluid 101 and appropriate pool rules.

is true and complete to the best of my kno ledge and belief. I hereby certify that the above informati

November 3, 1982

Engineer

(Signature)

STATE OF NEW MEXICO
ENERGY WO MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

Pereior				P80-							100	County					
	Gulf Oil Corporation	'n				inebr	Blinebry Oil and Gas	3as	(oil)	wells)			Lea				
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will be 0.60. Gas volumes must be reported in MCF measured at a pressure base of 15,025 pain and a temperature of 60° F. Specific gravity base

Reperl coons presours in item of tubing presours for any well producing through cooling.

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

I hereby certify that the above informati is true and complete to the beat of my knowledge and belief.

(Signature)

November 3, 1982

(Dwe)

(Tide)

Engineer

R. E. COLE (NCT-A) LEASE

Bottom Hole Pressure Data:
(Midpoint Casing Perforations)

Blinebry: 514 psi at a subsea depth of -2109* Drinkard: 485 psi at a subsea depth of -3238*

*Estimates based on most recent available average BHP data within a vicinity of the well and fluid level tests. As existing artificial lift equipment will be used to produce both zones, no problems with cross-flow are anticipated.

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OIL CONSERVATION DIVISION DISTRICT I

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OIL CONSERVATION DIVIS	SION	DATE_N	ovember 17, 19	982
P. O. BOX 2088 SANTA FE, NEW HEXICO 8	87501	RE: Pr	oposed MC ·	
		Pro	oposed DHC oposed NSL	X
	DECHRIMEN	· · Pro	oposed NSP	
•	NOV 8.8 1992	Pro	oposed SWD oposed WFX	<u> </u>
4	S	Pro	oposed PMX	
Gentlemen:	CONSERVATION DIVISION	•	•	:
I have examined the ap	oplication for the:		•	_
Gulf Oil Corp.	R. E. Cole (NCT	-A)	No. 9-N	16-22-37
Operator	Lease and Well	No. Un	it, S - T - R	
and my recommendations	are as follows:			
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Yours very truly,	•			
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