

PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

NATURAL RESOURCES GROUP Exploration and Production

May 11, 1978

Application for Exception to Statewide Rule No. 303-C to Downhole Commingle Production from the Blinebry and Drinkard Pools, New Mex-D, Well No. 1 Lea County, New Mexico

File: W2-McL-111-78

New Mexico Department of Energy & Minerals Oil Conservation Division Box 2088 Santa Fe, New Mexico 87501

Gentlemen:

We respectfully request administrative approval, subject to the twenty day waiting period, to downhole commingle production from the Blinebry and Drinkard Pools in our New Mex-D, Well No. 1, located in Unit H, 1930' FNL and 660' FEL, Section 36, T-22-S, R-37-E, Lea County, New Mexico, as provided by Statewide Rule No. 303-C. Pertinent well and production data follows:

- 1. Both zones to be commingled in the well bore are classified as oil zones and both zones produce by natural flow. The subject well is classified as casinghead gas status in both zones.
- 2. The total daily production from the two zones before commingling does not exceed 852 MCFD as allowed for the deepest perforations in the lower zone. Further, neither zone produces water at this time.
- 3. The Blinebry zone of this well bore was completed in July, 1964, through perforations 6679-5670'. Our last official well test on the Blinebry zone was in March, 1978, producing 9 BO, 76 MCF gas, 0 BW, which was taken during the annual packer leakage test. This zone is shut-in and temporarily abandoned. The last oil production before temporarily abandoned reflected gravity of 41 degrees. At that time it

To: New Mexico Dept. of Energy & Minerals File: W2-McL-111-78 Date: May 11, 1978 Page: 2

> was classified as a casinghead gas well. The Drinkard zone of this well was completed in October, 1975, through perforations 6036-6887'. Our last official well test on the Drinkard zone was in April, 1978, producing 2 BO, 766 MCF gas, 0 BW, GOR 383,000, Oil Gravity 43 degrees, classified as a casinghead gas well. The oil, gas and/or water production is compatible one zone with the other and there should be no undue formation of precipitates from the combined produced waters or hydrocarbons. We attach formation water analysis on each zone.

- 4. Crude gravities are: Blinebry 41 degrees, Drinkard - 43 degrees. These crudes are classified as intermediate sweet with a posted price of \$14.83 for 40 degrees gravity (and above) crude. Consequently, there would be no difference in the price of combined crude over that of the crudes produced and sold separately. Casinghead gas is the same price in both zones. Royalty and working interest are common throughout and there are no overriding royalty. The State royalty beneficiary is Common School Land.
- 5. Bottom hole pressures are estimated at 600 psi for the Blinebry and 710 psi for the Drinkard.
- 6. Our forecast of production is:

FIRST YEAR: Blinebry: 6 BOPD, 500 MSCF/D Drinkard: 3 BOPD, 450 MSCF/D SECOND YEAR: Blinebry: 5 BOPD, 675 MSCF/D Drinkard: 2 BOPD, 350 MSCF/D We attach prior production statistics on each zone.

7. See attached production curves for each zone completion.

We propose to allocate production to each zone based on the individual well test established herein and reflected on the attached Form C-116.

Since the Blinebry zone has been temporarily abandoned, no application for the multiple completion of these zones has been filed. We have filed Form C-103 with the Hobbs District Office covering the proposal to downhole commingle these zones in the well bore. Your approval of this downhole commingle without the formality of an approved multiple completion is requested. Subject to your approval, the operation of downhole commingling these zones will be performed.

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Offset operators are hereby notified, with the request that their original waivers of objections be mailed direct to your attention, and a copy sent to this office. If there are any questions on this application, please contact the writer, telephone (915) 337-8611.

Your consideration and advise will be appreciated.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

T. Harold McLemore Area Regulation and Proration Analyst

THM/ga

Attachments

cc: Aztec Oil and Gas Company Box 837 Hobbs, New Mexico 88240 Gulf Oil Company - US Box 1150 Midland, Texas 79702 Moranco Box 1860 Hobbs, New Mexico 88240

> Summit Energy, Inc. 1925 Mercantile Dallas Building Dallas, Texas

Texaco, Inc. Box 728 Hobbs, New Mexico 88240

Texas Pacific Oil Company Box 4067 Midland, Texas 79702

New Mexico Dept. of Energy & Minerals Oil Conservation Division Box 1980 Hobbs, New Mexico 88240 Attachments

hard 25 1073 1) Landersterring County Marine R. R. M.

C-116 Revised 1-1-65

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 shall 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 psis and a temperature of 60° F. Specific gravity base will be 0.60. Report casing pressure in lieu of tubing pressure for any well producing through casing. Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.		New Mex-D	L EASE NAME		Spermor Phillips Petroleum Company	
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I hereby certify that the above information is true and complete to the best of my know- ledge and belief. Engineering Advisor (Tiue) May 11, 1978			RATIO CU.FT/BBL	Special X GAS - OIL		

(Date)

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DET 15 1978 OH COMPLETENT COMM. ROMAS, N. M.

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NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

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C-116 Revised 1-1-65

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			Ń		is true and complete to the best of my know- ledge and belief.	I hereby certify that the above information		383,000	CU.FT/BBL	GAS - OIL	Special X	

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PHILLIPS PETROLEUN COMPANY

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LADORATORY ANALYDIS TOUSULTS SUMMARY

Water Samole New Mer Samuel from. Blineby D-1 Formation Sacured by: Creater Date: 4-11-78 Anelysis No.: 2962 Chlorides, pom, Naol 60314 Oblorides. ppm. 01 36852 Alkalinaty, ppm 0200g 468 Hardness, orm, Cable 11863 Calcium, ppm. Ca 798 Ragiesiun. ppn. Mg. 2398 Dissolved Solids, ppr 81000 Sul Cotes, per, Ve2304 1650 SON 11 2 2 Silin 2:02 15 Bicarbonates. ptm. HCO3 563 Total Iron Fe com 29 ъH 6.9 Sclometer Reading 23 % Salt 6.095 Copies to: lbs. Salt .5293 C. Gdial R.L.dizer. Classie-Harald Mc amore intra Like A: 10 a In Analysis by: ania Unger Checked by: -4 Approved by:

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LABORATORY ANALYSIS RESULTS SUMMARY

Sample Water			
Secured Store New Mer	+ D-1 Drenkau	Farmation	
Secured by: Operate	n	Date:	4-11-78
Anelysis No.: 2963			
Chlorides, pon. Na61	194900	an a	A data and the second strength of the designed strength to the second strength of the
Chlorides ppr. 01	119084	Remainder, Findelik, Markelik, State Courts, State State Courts, Roman State	
Alkalinity, ppm 02303	239		
Service and the second se	47354		
Calcium, orm. Ca	29908		
lagnedium print iz.	4239		
Dissolved Solids, ppm	279000		
311 16523. DET. 182804	1650		
504 Silical com. Si 02	26		
Bicarbonates, prm, HCO3	292		
Total Iron Fe ppm	151		
ъΗ	5.4	متركبين والمتحدين	
Solometer Reading	73		
5 Salt	19.345	in an Annial Tablet, water and a first state of the	Copies to:
lbs. Salt	1.842		C. Ediac
			M.L. Koser D.A.B. Alargour
			1.
			Harold Mc Lamon Central Lile
Analysis by: Lovid Ch	hgen Checked by:		Tab file
	Approved by:		

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LIAY I 5 1978 OIL CONSERVATION COMM. HUBBS, N. M. Field: <u>Blinebre</u> <u>Reservoir: <u>Blinebry</u> Operator: <u>Pholips Letroloum Company</u> RRC No. Lease: <u>Yew Mex D</u> Location: <u>1H3622537E</u></u>

Well No.

County: Sea

	No.of			Production			
1973	Wells	Allow	Oil	Water	Gas	GOR	BHP
•Jan			174		4279		
Feb			117		2847		
Mar			124		2691		
Apr			142		3265		
May			142		3325		
June			149		4174		
July			192		5183		
Aug			163		5417		· · ·
Sept			107		3501		·
Oct			127		3847		
Nov			133		4039		
Dec			154		4358		
rly.Tota	al		1724		46926		
Accum			52146				

1974			
Jan	84	2744	
Feb	282	8073	
Mar	327	14641	
Apr	264	13583	
May	225	12790	
June	194	11690	
July	192	11515	
Aug	180	9420	
Sept	172	9945	
Oct	164	9501	
Nov	155	9323	
Dec	140	9389	
Yrly.Total	2379	122614	
Accum	54525		

1975				
Jan	114		7293	
Feb	118		1492	
Mar	130		8329	
Apr	118		1906	
Мау	130	20	8235	
June	118	22	7954	
July	127	20	8104	
Aug	129	60	8354	
Sept	124	21	7639	· · · · · · · · · · · · · · · · · · ·
Oct	65	21	16681	
Nov	131	11	22141	
Dec	SI			
Yrly.Total	1304	175	110128	
Accum	55829			



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OIL CONSERVATION COMM, HOBBS, N. M.

Field: Drinkard Reservoir: Drinkard Operator: <u>Phillip</u> Petroleum Company RRC No. Lease: <u>Men Max D</u> Location: <u>1H3622537E</u>

Well No. _____

County: Sea

	No.of			Production			
1975	Wells	Allow	Oil	Water	Gas	GOR	BHP
Jan							
Feb							
Mar							
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May							
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Nov					•		
Dec			132	22	12872		
Yrly.Total	1		132	22	12872		
Accum			132	-			

1976				
Jan	75	94	45207	
Feb	60	12	28324	
Mar	59		21540	
Apr	119	10	28177	
May	124	u	27311	
June	ካሬ		25666	
July	90		24614	
Aug	84		23676	·
Sept	<u></u>		21692	i
Oct	89		20817	
Nov	95		17481	
Dec	36		14258	
Yrly.Total	984	ما١١	298763	
Accum	1116			

19 77			
Jan	3	9495	
Feb	38	14917	
Mar	.41	16126	
Apr	35	14962	
May	44	14221	
June	61	9587	
July	150	22583	
Aug	71	23311	
Sept	56	21267	
Oct	15	20874	
Nov	76	18535	
Dec			
Yrly.Total			
Accum			

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