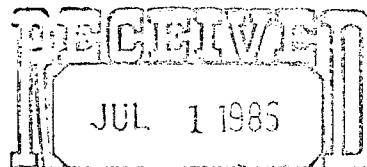


CROWN CENTRAL PETROLEUM CORPORATION



PRODUCERS • REFINERS • MARKETERS OF PETROLEUM PRODUCTS AND PETROCHEMICALS
4000 NORTH BIG SPRING, SUITE 213 • MIDLAND, TEXAS 79705 (915) 683-6251

June 27, 1985



Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

OIL CONSERVATION DIVISION
SANTA FE

Re: Exception to Rule 303C to Permit
Downhole Commingling of Crown Central
Petroleum's McCallister No. 2
West Nadine Blinebry/Drinkard Pools
Lea County, New Mexico

Gentlemen:

Crown Central Petroleum Corporation respectfully requests administrative approval for an exception to Rule 303-C to permit downhole commingling of Blinebry and Drinkard oil pools in the above captioned well.

Please find attached all pertinent data regarding this application.

Yours very truly,

A handwritten signature in cursive script, reading "Donald W. Garrett".

Donald W. Garrett
Drilling and Production Manager

DWG:KKK:wt

1) Operator:

Crown Central Petroleum Corporation
4000 N. Big Spring, Suite 213
Midland, Texas 79705

2) Lease, Well and Location, Commingled Pools:

McCallister No. 2 660' FNL & 660' FWL, Sec. 8-T20S-R38E, Lea County,
New Mexico, West Nadine Drinkard/Blinebry Pools

3) Ownership Plat and Dedicated Acreage:

See attached map

4) Current 24 Hour Productivity Test:

See attached C-116(s)

5) Bottom Hole Pressures:

Drinkard: 1035 psi - estimated from shut in tubing pressures and
fluid levels while swabbing.

Blinebry: 1240 psi - estimated from shut in tubing pressures and
fluid levels while swabbing.

6) Produced fluid characteristics:

Drinkard: Crude oil API gravity - 34°

Water: Sp. Gr. - 1.110
Cl. - 102,000

Blinebry: Crude oil API gravity - 39.7°

Water: Sp. Gr. - 1.075
Cl. - 86,000

Surface commingling of the produced fluids does not
result in the formation of any precipitates.

7) Commingling of Blinebry and Drinkard crude oils does not result in a lower
value than the sum of each individual stream. Each crude is classified
as sweet intermediate. Commingling of the two crudes @ 46% Drinkard and
54% Blinebry ($34^\circ \times 0.46 + 39.7^\circ \times 0.54$) gives an average gravity of 37°
API.

8) Proposed Allocation of Production for Each Commingled Zone:

Blinebry Test - 22 BO + 0 BW + 38 MCFPD
Drinkard Test - 19 BO + 11 BW + 42 MCFPD

Total
Combined - 41 BO + 11 BW + 80 MCFPD

McCallister No. 2 Completion History

3/11/82 Spud well with 12-1/4" hole.

3/27/82 Set 5-1/2" casing.

4/21/82 Potentialled flowing 70 B0 + 0 BW + 240 MCFPD from Drinkard perforations 6895-6954 after 3500 gallons 15% HCl acid.

1/26/83 Set 228 pumping unit, ran 7/8" and 3/4" rod string.

9/26/83 Tested pumping 23 B0 + 11 BW + 48 MCFPD.

10/4-13/83 Set CIBP @ 6800', perforated Blinebry @ 5856, 66, 68, 70, 5932, 34, 36, 52, 56, 61, 6050, 52 (12 holes). Acidized with 3000 gallons 15% HCl acid. Set CIBP @ 5915.

10/17/83 Perforations 5856-70 tested 37 B0 + 2 BW + 49 MCFPD pumping.

11/1-2/83 Frac down tubing with 10,000 gallons X-link water and 18,000# 20-40 sand.

11/23/83 Tested pumping 64 B0 + 0 BW.

6/4/85 Blinebry perforations 5856-70 tested pumping 22 B0 + 0 BW + 38 MCFPD.

6/11-16/85 Pull rods, pump and RBP, set squeeze retainer @ 5910', squeezed high GOR perforations 5932-6052 with 50 sx. Class "C" + 0.6% D-60. Tested to 1000 psi OK, drill out CIBP @ 6800'. Perforated Drinkard (more perforations) @ 6881, 83, 6902, 04, 16, 7020, 22 (7 holes, 19 holes total).

6/25/85 Drinkard perforations 6881'-7022' tested 19 B0 + 11 BW + 42 MCFPD.

Depco, Inc.
1000 Petroleum Building
Denver, Colorado 80202

Cities Service Company
Box 1919
Midland, Texas 79702

Tamarack Petroleum Company, Inc.
P.O. Box 2046
Midland, Texas 79702

Morris R. Antweil
P.O. Box 2010
Hobbs, New Mexico 88240

Allocation:

	<u>Oil</u>	<u>Water</u>	<u>Gas</u>
Blinebry	54%	0%	47.5%
Drinkard	46%	100%	52.5%

- 9) Please be advised that all offset operators have been informed of our intentions to downhole commingle this well by mailings of complete sets of this application.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Crown Central Petroleum Corporation		Pool Drinkard, West Nadine		County Lea												
Address 4000 N. Big Spring, Suite 213, Midland, Texas 79705		Type of Test - (X) <input checked="" type="checkbox"/> TEST - (X)		Scheduled <input type="checkbox"/>												
Completion <input type="checkbox"/>		Spacing <input checked="" type="checkbox"/>														
LEASE NAME McCallister	WELL NO. 2	LOCATION				DATE OF TEST 6/25/85	TYPE OF TEST P	CHOKE SIZE -	TBG. PRESS. 50	DAILY ALLOW-ABLE -	LENGTH OF TEST HOURS 24	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BBL
		U	S	T	R							WATER BBL.	GRAV. OIL BBL.	OIL BBL.	GAS M.C.F.	

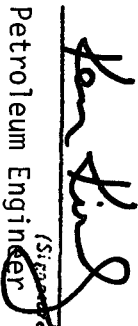
No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable 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.

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

Well original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 303 and appropriate pool rules.

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


K.K. Kirby
Petroleum Engineer
(Signature)
(Title)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County												
Crown Central Petroleum Corporation		Nadine Blinebry, West		Lea												
Address		4000 N. Big Spring, Suite 213, Midland, Texas 79705		TYPE OF TEST - (X)												
				Scheduled <input type="checkbox"/> Specified <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION		DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO					
		U	S	T	R				WATER BLS.	GRAV. OIL BLS.	CAS M.C.F.	CU.FT/BBL				
McCallister	2	D	8	20S	38E	6/4/85	P	-	50	-	24	0	39.7	22	38	1727


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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 psia 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.

Well 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.

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


K.K. Kirby
Petroleum Engineer
(Title)

VELMA PET
Turner
TD 4140

SIGNAL
Leonard
TD 4170

WOLSON
Donglode
3 TD 4157
SOLAR
Keohane
TD 7450

BARNHILL
Keohane
TD 7450

C.C.P.C.
Turner
TD 4048

C.C.P.C.
Turner
TD 9430

SIGNAL
Weir
TD 4234

SIGNAL
Moran
TD 4150

BURNSON
Phillips
TD 7030

ANTWEIL
Louie
TD 7150

ANTWEIL
Daisy
TD 7200

ANTWEIL
Huey
TD 7150

ANTWEIL
Dewey
TD 7150

ANTWEIL
Dewey
TD 7144

ANTWEIL
Dutch
TD 7150

ANTWEIL
Ike
TD 7130

ANTWEIL
Lody
TD 7151

TAMARACK
Haskel
TD 7100

TAMARACK
Holway
TD 7100

ANTWEIL
Roberta
TD 7150

C.C.P.C.
McCallister
TD 7000

C.C.P.C.
McCallister
TD 4284
DEKALB
Phillips
TD 4284

ANTWEIL
Albert
TD 7132

TAMARACK
Harkins
TD 7100

TAMARACK
Speight
TD 7120

C.C.P.C.
McCallister
TD 7100

C.C.P.C.
McCallister
TD 7076

SIGNAL
Christmas
TD 4083

SIGNAL
Leonard
TD 4080

TIDEWATER
Siddell
TD 9302

DEKALB
Byers
TD 4067

DEKALB
Byers
TD 4067

DEKALB
Stovall
TD 4070

ANTWEIL
Herman
TD 7150

ANTWEIL
Herman
TD 7150

TAMARACK
Folger
TD 7120

DEKALB
Byers
TD 9225

DEKALB
Stovall
TD 4072

ANTWEIL
Herman
TD 7150

DEKALB
Stovall
TD 9558

ANTWEIL
Herman
TD 7150

ANTWEIL
Filibert
TD 7150

CROWN CENTRAL PETROLEUM CORP.			
EXPLORATION AND PRODUCTION DIV.			
MIDLAND		COUNTY & STATE	
PROJECT		DISTRICT	
<div><div>CONTOUR INTERVAL: <input type="text"/> FT</div><div><div>GEOLGY BY</div><div>DATE</div></div><div><div>REVISIONS</div><div>WALK</div></div></div>			
DEKALB		DEKALB	