

SHELL OIL COMPANY

PETROLEUM BUILDING
P.O. BOX 1509
MIDLAND, TEXAS 79701

DHC - 276
Due - 3/14/79

February 15, 1979

MC - 1122 Sil & Foss
" - 1188 BL - Tabl Dr

Subject: Application for Downhole Commingling
for Shell State JM Well No. 1, Unit
Letter B Located 660' FNL & 1980'
FEL Section 2, T-25-S, R-37-E, Lea
County, New Mexico, Justis Field

Justis Blinebry Pool
Justis Tubl - Drinkard Pool

7 FEB 19 1979

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

Attention Mr. J. D. Ramey, Secretary-Director

Gentlemen:

Shell Oil Company respectfully requests administrative approval under the provisions of Rule 303-C to commingle within the wellbore production from the Blinebry and Drinkard pools in its State JM Well No. 1, located in Unit B of Section 2, T-25-S, R-37-E, Lea County, New Mexico.

The subject well is presently flowing 12 BOPD and 13 BOPD respectively from the Blinebry and Drinkard pools. Both of these zones are in a declining state. We plan to pull present dual production strings and produce through a single 2 3/8" tubing string by means of a beam pump.

Production from the Blinebry and Drinkard formations has been surface commingled at the State JM tank battery for a number of years without any indication of fluid incompatibility. Since the crudes are commingled at the tank battery before being sold, no difference in value should result by commingling within the wellbore of the subject well.

Static BHP tests have been taken on both zones and are as follows:

Blinebry - 46 hr SIBHP - 305 psi
Drinkard - 47 hr SIBHP - 332 psi

BL : 5071 - 5689 - 1280 = 48% (350 mcf) 70% 6000/1
DR : 5939 - 6150 - 1380 = 52% (151 mcf) 30% 6000/1
25 501

Max prod: 40 BOPD

A copy of this application is being sent to all offset operators. Your further handling and approval of this application will be sincerely appreciated.

Yours very truly,



For: W. T. Weller, Jr.
Operations Manager-Midland
Mid-Continent Division

JWH:JAH

Attachments

cc - Offset Operators (per attached list)

- New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, NM 88240

OFFSET OPERATORS

SHELL STATE JM LEASE
JUSTIS FIELD
LEA COUNTY, NEW MEXICO

AMERADA HESS CORPORATION
DRAWER 817
SEMINOLE, TX 79360

E. C. HALE
BOX 763
HOBBS, NM 88240

GETTY OIL COMPANY
P. O. BOX 1231
MIDLAND, TX 79702

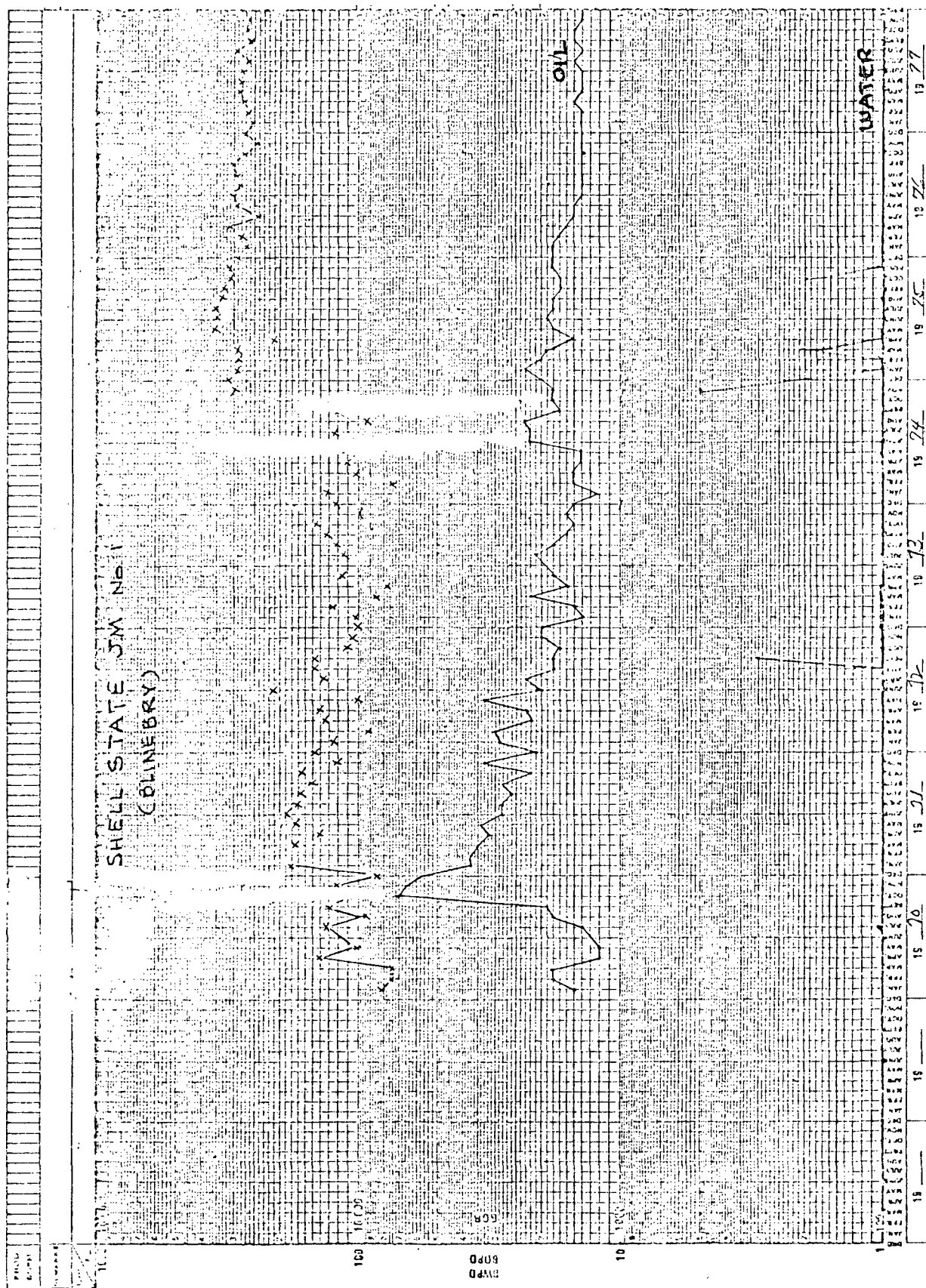
TEXACO, INC.
P. O. BOX 3109
MIDLAND, TX 79702

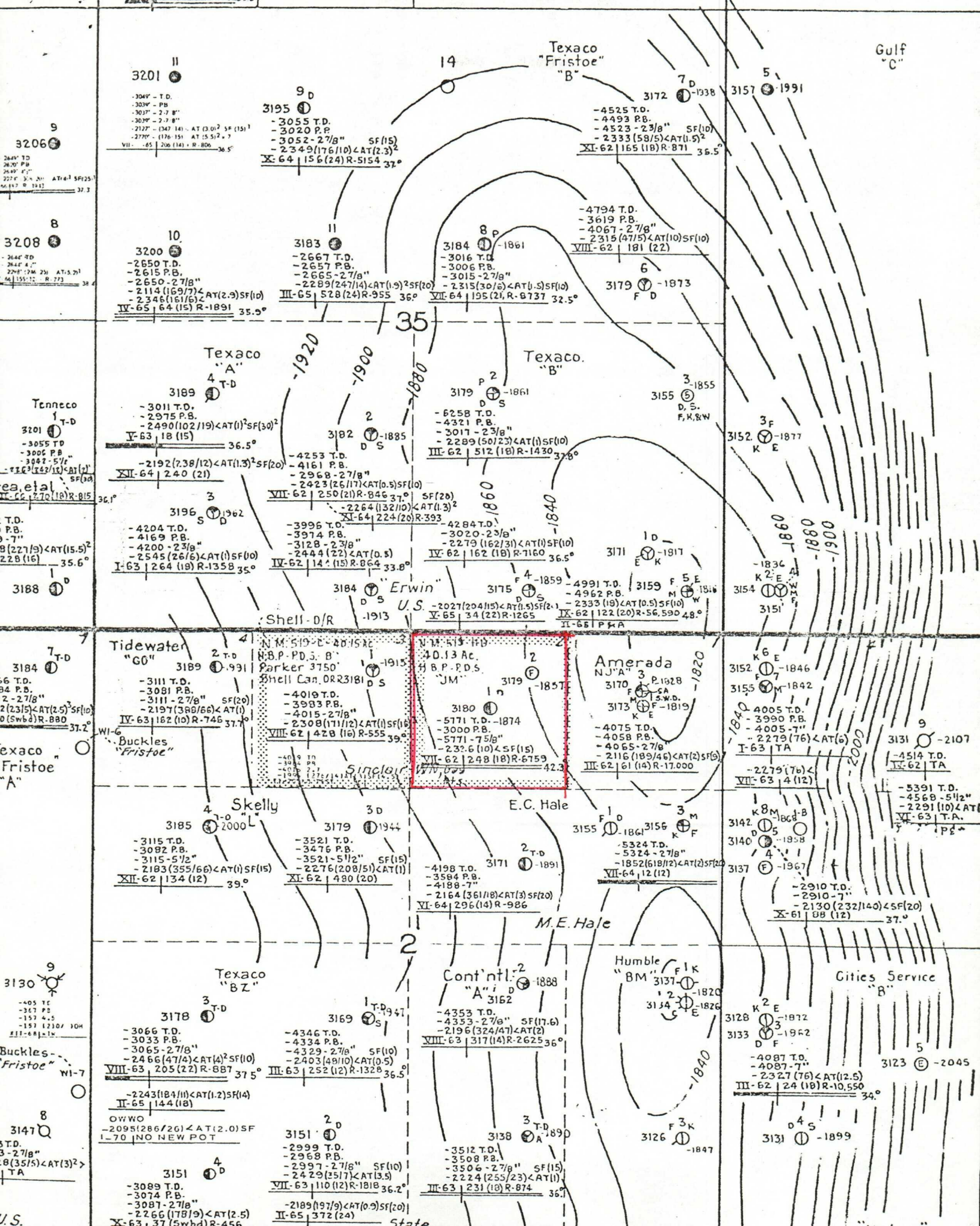
Depth D	Time	Press., P, psig	ΔP	Static Test		
				ΔD	Gradient	
0	46 hrs	156				
5500	↓	271	115	5500	.0209	
5600		305	34	100	.34	
Time	Press. @ _____ ft	Build-up test		Tubing Press.	Casing Press.	Height of Fluid
		Δt hrs	$\frac{t}{\Delta t} + 1$			
No Buildup Taken						

SHELL STATE JIM NO.
 (CORRECTION)

OIL
 WATER

DEPTH
 DISTANCE







SHELL OIL COMPANY

PETROLEUM BUILDING

P.O. BOX 1509

MIDLAND, TEXAS 79701

March 12, 1979

Subject: Application For Downhole Commingle
For Shell State JM Well No. 1, Unit
Letter B Located 660' FNL & 1980' FEL
Section 2, T-25-S, R-37-E, Lea
County, New Mexico, Justis Field

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

Attention Mr. Carl Ulvog, Geologist

Gentlemen:

Per your telephone conversation with Mr. Lowery we are attaching copies of commission form C-116 showing the amount of oil, gas, and water produced from each zone of the subject well.

If you need any additional information please contact Mr. J. W. Hull, telephone number 915-684-5511.

Yours very truly,

R. J. Goenen
for W. T. Weller, Jr.
Operations Manager-Midland
Mid-Continent Division

JWH:DS

Attachments

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-63

Operator		Pool		County	
Shell Oil Company		Justis (Tubb-Drinkard)		Lea	
Address		P. O. Box 576, Houston, Tx 77001		TEST - (X)	
LEASE NAME		WELL NO.		DATE OF TEST	
State JM		1-2		4-03-78	
		B B		4-04-78	
		2 2		F F	
		25 25		0 0	
		37 37		60 90	
				20 0	
				24 24	
				1 7	
				0 0	
				13 4	
				151 48	
				11,615 12,000	

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 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.


(Signature) M. J. Adam
Supervisor Oil Acctg.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County	
Shell Oil Company		Justis (Blindery)		Lea	
Address		P. O. Box 576, Houston, Tx 77001		TYPE OF TEST - (X)	
LEASE NAME		WELL NO.		DATE OF TEST	
State JM		1 - B		4-02-78	
		U S T R		CHOKE SIZE	
		2 25 37		0 80	
				DAILY ALLOW-ABLE	
				14	
				LENGTH OF TEST HOURS	
				24	
				WATER BBL'S	
				1	
				PROD. DURING TEST	
				GRAV. OIL BBL'S	
				0 14	
				GAS M.C.F.	
				350	
				GAS - OIL RATIO CU.FT/BBL	
				25,000	

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Gas volume 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.
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.

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

Supervisor Oil Acctg.
Supervisor Oil Acctg.
(Signature)
J. Adams
(Title)

6-05-78

*make
file*

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE February 21, 1979

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

Gentlemen:

I have examined the application dated _____
for the Shell Oil Company State JM #1-B 2-25-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.----J.S.

RECEIVED
FEB 25 1979
OIL CONSERVATION DIVISION
SANTA FE

Yours very truly,

[Signature]