



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

1-8-90

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393 6161

DHC-754

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC ☒ _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

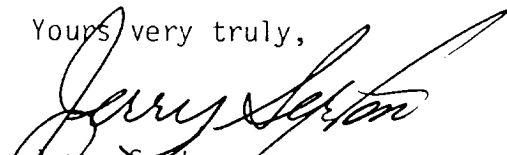
I have examined the application for the:

Campbell & Hedrick Weatherly # 1-B 17-21-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,


Jerry Sexton
Supervisor, District 1

/ed

CAMPBELL & HEDRICK

P. O. BOX 401 220 MID-AMERICA BLDG.

MIDLAND, TEXAS 79701

January 3, 1990

Re: Request for Exception
to Rule 303-A
Down-Hole Commingling
Campbell & Hedrick
Weatherly No. 1
Unit B, 330 FNL & 1650 FEL,
Sect. 17, T-21S, R-37E,
Lea County, New Mexico
Tubbs Oil & Drinkard Oil

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

Gentlemen:

Campbell & Hedrick, P.O. Box 401, Midland, Texas 79702 request administrative approval for an exception to Rule 303-A to permit the commingling within the well bore of production from the Tubbs zone and the production from the Drinkard zone in captioned well.

Campbell & Hedrick TA'd the Drinkard zone February 23, 1989 in order to attempt recompletion in the Tubbs oil zone and the Tubb zone is currently producing. Down-hole commingling will enhance the economics of this well and permit the recovery of oil that otherwise may not be recovered by this well.

Both zones in this well are classified as oil zones and are capable of flowing; however, it is proposed to put the well pumping after down-hole commingling is approved. This will eliminate any possibility of fluid thieving into the old Drinkard completion and thereby maximize recovery of oil. Total combined production is estimated to be ± 20 BOPD, 4BWPD and 223mcfpd.

Ownership of both of the zones to be commingled is common as to working interest, royalty and overriding royalty. Other information requested in Section 2 follows below:

- (C) Plat of the area-Attachment 1.
- (D) Form C-116 for the Tubb completion, perms 6289-6448, 61 holes-Attachment 2.
Form C-116 for the old Drinkard completion, open hole 6582-6684 TD-Attachment 3.
- (E) Decline curve for the Tubb completion-Attachment 4.
Decline curve for the Drinkard completion-Attachment 5.
Complete resume of the well's completion history including description of treating, testing, etc. of

1990

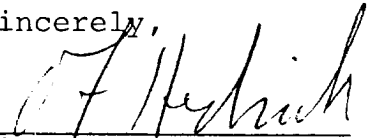
Page 10

Weatherly No. 1
Exception to Rule 303-A
Page Two (2)

each zone and a prognostication of future production from each zone-Attachment 6.

- (F) Estimated BHP each zone
Tubbs 700 psi
Drinkard 375 psi
- (G) Crude from both zones is classified West Texas-New Mexico Intermediate and on other leases in the area surface commingling confirms there are no incompatibilities.
- (H) Value of Tubb production \$242.04
Value of Drinkard production 161.52
Value of combined production \$403.56
Value of commingled production \$403.80
- (I) It is requested that production as to oil be allocated 60% Tubb and 40% Drinkard and that production as to gas be allocated 61% Tubb and 39% Drinkard.
- (J) All offset operators have been notified by a copy of this application as follows:
- Oryx
P. O. Box 1861
Midland, Texas 79702-1861
- Conoco
P. O. Box 1959
Midland, Texas 79702-1959
- Texaco
P. O. Box 3109
Midland, Texas 79702-3109

Sincerely,


Oley F. Hedrick, Jr.
Partner
Campbell & Hedrick

OFH:mes

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APR 05 1990

CCC
HOURS OFFER

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit 2 copies to Appropriate District Office.
DISTRICT I P.O. Box 1980, Hobbs, NM 88240
DISTRICT II P.O. Drawer DD, Artesia, NM 88210
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator CAMPBELL & HEDRICK		Pool TUBBS OIL		County LEA											
Address P. O. BOX 401, MIDLAND, TEXAS 79702		TYPE OF TEST - (X)		Completion		Special									
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 CU FT/BBL		
		U	S	T						R	WATER BBL'S	GRAV. OIL		OIL BBL'S	GAS MCF
WEATHERLY	1	B	17	21	37	12/26/89F	22/64	35	37	24	1	37.1	12	134.0	11,167

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

[Signature]
Signature
O. F. HEDRICK, JR. PARTNER
Printed name and title
915-684-4393
Date 01/02/90
Telephone No.

Instructions:

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 Division.

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.

(See Rule 301, Rule 1116 & appropriate regulations)

111

112

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State of New Mexico
 Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

Form C-116
 Revised 1/1/89

GAS - OIL RATIO TEST

Operator CAMPBELL & HEDRICK		Pool DRINKARD OIL		County LEA										
Address P. O. BOX 401, MIDLAND, TEXAS 79702		TYPE OF TEST - (X)		Completion ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG PRESS	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD DURING TEST			GAS - OIL RATIO CU FT/BBL	
		U	S	T						R	WATER BBL'S	GRAV OIL		OIL BBL'S
WEATHERLY	1	B	17	21	37	2/22/89	F 3/4	25		24	3	37.6	8	*89.011,125

Instructions:

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 Division.

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.

*Av Rate at end of test.

(See Rule 301, Rule 1116 & appropriate)

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

Signature

O. F. HEDRICK, PARTNER

Printed name and title

01/02/90 915-684-4393

Date

Telephone No.

ED-10-100

DEC 9 1999

C-10

CAMPBELL & HEDRICK
WEATHERLY NO. 1
TUBBS POOL

MCF PD

BOPD

Replace 7 5/8 inch off Rubber 1

46 6690

K-E 5 YEARS BY MONTHS x 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.												
19 89												19 90												19 91												19 92												19 93											

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JAN 05 1980

OCD
HOBBS OFFICE

CAMPBELL & HEDRICK
WEATHERLY NO. 1
DRINKARD POOL

MCF PD

BOPD

46 6690

K-E 5 YEARS BY MONTHS x 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

BOPD

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec												
1987												1988												1989												1990												1991											

Journal of Management Education 30(6)

Campbell & Hedrick Weatherly #1

Well History

LOCATION: Unit B, 330' FNL & 1650' FEL, Sec. 17, T21S, R37E, Lea County, New Mexico

FIELD: Tubb

ELEVATION: GL: 3491'

DEPTHS: TD: 6684' PBTD 6550' (Baker Ret.BP)

SPUD DATE: Nov. 16, 1951 Completed Dec. 27, 1951

CSG. DATA: 10 3/4" Surface csg. set at 282'. Cmdt w/250sx,circ.
 7 5/8" 26.40# J55 set at 2759'. Cmdt w/1100sx.circ.
 5 1/2" 15.50# J55 set at 6582'. Cmdt w/200 sx.,Toc @2600' (survey).

COMPLETION: 12/27/51 Acidize OH 6582-6684 w/1000 gal 15% LTNE.
 Swb to clean up. IPF 50 BOPD no water Cp 600
 TP 100 GOR 1810 Gravity 37 ck 3/4"

WELLWORK: 3/18/57 Fracture treat w/10,000 gal. R.O. and 7500#
 20-40 sd. Overflush w/100 bbl lse crude.
 Test before: 17 BOPD no water
 Test after: 73 BOPD on 1/8CK TP825 CP1600

2/21/89 Acidize OH 6582-6684 w/3000 gal. 15% NEFE in
 two stages using 100# Naphthlene and 100#
 benzoic acid block. Pressure break 1150 psi
 to 650 psi.
 Test before: 5 BOPD no water
 Test after: 8 BOPD 3 Bbl Acid water

Set Baker Ret BP 6550'. Perf Tubbs 6289-6448'
 Ac 3000 Gal reg Ac & frac perfs 42000 gal Terra
 frac using 96000# 20-40 sd and 18,700 gal Co₂.
 Test after: 142 BOPD Trace water GOR 810
 TP 140 Cp 525

6/21/89 Replace 7 5/8 x 5 1/2 head pack off rubber.
 Reassemble head and return well to production.

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JUN 15 1990
DE
CR-17

Campbell & Hedrick Weatherly 1

Well Sketch

Tubbs/Drinkard Field

10 3/4" surface csg set
at 282'. cemented with
250 sacks circulated
cement.

KB:3500

GL:3491

7 5/8 26.40# J55 Intermediate
csg set at 2759' with 1100
sacks. circulated 200 sacks.

Tubb Perfs
6289-6448 (61 holes)

5 1/2 15.50# J55 production
csg set at 6582' with 200
sacks of cement. Halliburton
temp survey top of cement
2600'.

4 3/4 open hole to TD of 6684

Drinkard Open Hole
6582-6684 TD

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JAN 05 1990

**OOD
HOBBS OFFICE**