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**STEPHENS & JOHNSON OPERATING CO.**

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OIL CONSERVATION DIVISION  
RECEIVED

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October 29, 1993

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87504

Re: Application for Exception to Statewide Rule  
No. 303-A to Downhole Commingle Production  
from the Tubb and Drinkard Pools of the  
Weatherly Well No. 7, Lea County, New Mexico

Gentlemen:

*oil & gas*

We respectfully request administrative approval, subject to the twenty (20) day waiting period, to downhole commingle production from the Tubb and Drinkard Pools in Stephens & Johnson's Weatherly well No. 7 located in Unit G, 1980 feet FNL and 1980 feet FEL of Section 21, TWP 21-S, Rge 37-E, Lea County, New Mexico. The following is pertinent data available on the well.

- 1) Well No. 7 was TA'd in the Drinkard zone (6374'-6584') when the Tubb zone (6144'-6290') was perforated August 24, 1993. The Drinkard zone is classified as a gas well and would not flow due to a low bottomhole pressure of 190 psi. Also, the flow rate from the Drinkard would not justify artificial lift for the well. The Tubb zone will be completed as a gas well and will be artificially lifted by a plunger lift system. The bottomhole pressure of the Tubb zone is 250 psi. The initial potential of the Tubb zone will be .25 barrels oil and 90 MCF per day.
- 2) Both zones will be classified as gas wells.
- 3) Estimated bottomhole pressure for each zone is as follows:  

Tubb: 250 psi  
Drinkard: 190 psi
- 4) Estimated producing rates for both zones is as follows:  

Tubb: .25 BOPD and 90 MCFPD  
Drinkard: .25 BOPD and 25 MCFPD

5) Since the crude oil gravity for both zones is 37 degrees, there will not be any incompatibility in fluids in the wellbore.

6) Formula for allocation of production is as follows:

Tubb: 50% of oil, 78% of gas  
Drinkard: 50% of oil, 22% of gas

Total Production (Both Zones) - .5 BOPD & 115 MCFPD

Total Tubb Zone = .5 BOPD x 50% + 115 MCFPD x 70% =  
.25 BOPD + 89.7 MCFPD

Total Drinkard Zone = .5 BOPD x 50% + 115 MCFPD x 22% =  
.25 BOPD + 25.3 MCFPD

Totals	<u>Oil</u>	<u>Gas</u>
Tubb	.25 BOPD	89.7 MCFPD
Drinkard	.25 BOPD	25.3 MCFPD
	<u>.50 BOPD</u>	<u>115.0 MCFPD</u>


- 6) Forms C-116 attached.
- 7) Offset operators were sent a copy of this request.
- 8) A plat is attached showing dedicated acreage to the well.
- 9) Royalty owners are the same in both zones.

This well was producing from the Drinkard formation but did not have enough bottomhole pressure and gas volume to justify a plunger lift system. By combining the Tubb zone with the Drinkard zone, a plunger lift system will become operable; therefore, we are requesting the authority to downhole commingle the Tubb and Drinkard zones in this well.

Your consideration of this request will be appreciated.

Respectfully yours,

STEPHENS & JOHNSON OPERATING CO.



Bob Gilmore

BG/dk

**Form C-116**  
**Revised 1/1/89**

Telephone No. \_\_\_\_\_

# OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator S & J Operating Company			Lease Weatherly		Well No. 7
Unit Letter G	Section 21	Township 21S	Range 37E	County NMPM	Lea
Actual Footage Location of Well: 1980 feet from the north line and 1980 feet from the east line					
Ground level Elev. 3442 DF	Producing Formation Tubb		Pool Drinkard Tebb	Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.


### OPERATOR CERTIFICATION

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

Signature  
Bob Gilmore  
Printed Name  
Bob Gilmore  
Position  
Petroleum Engineer  
Company  
S & J Operating Co.  
Date  
8-23-93

### SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
Signature & Seal of Professional Surveyor  
Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

