

R3W

R2W

22

23

24

19

27

26

25

30

34

35

36

31

T  
26  
N

A-1188

3

2

1

6

T  
25  
NUNION TEXAS  
McCRODEN 4UNION TEXAS  
McCRODEN C-1

— LEGEND —



GALLUP-DAKOTA

PROPOSED COMMINGLED AREA

AMOCO PRODUCTION COMPANY  
DENVER REGION  
JICARILLA A-118 LEASE  
RIO ARriba COUNTY, NEW MEXICO

CASE NO. 8295  
AUGUST 8, 1984  
SCALE: 2" = 1 MILE

EXHIBIT NO. /

GL - 7423'  
KB - 7441'

9-5/8" 36# H-40 CSA 290'  
w/408 cu ft. Class B  
w/2% CaCl<sub>2</sub>

DV SA 5289'

7298

7636

Gallup

7796'

8106'

2-3/8" TSA 8389

8286'

Dakota

8398'

PBD - 8430'

TD - 8516'

7" 26# K-55 CSA 8500' in 2 stages.  
#1-770 cu ft Class B 50:50 POZ.  
#2-2069 cu ft Class B 65:35 POZ.  
Tail in both stages w/148 cu ft  
class B cement.

Case 8295

Exhibit

2

Amoco Production Company

SCALE:

ORG.

Jicarilla Tribal 118A No. 8  
Pump Test Results  
Undesignated Gallup Horizon

| <u>Date</u> | <u>Hours<br/>Produced</u> | <u>Barrels<br/>Oil</u> | <u>Barrels<br/>Water</u> | <u>MCF</u> |
|-------------|---------------------------|------------------------|--------------------------|------------|
| 03-01-84    | 24                        | 45                     | 165                      | 99         |
| 03-02-84    | 24                        | 65                     | 26                       | 96         |
| 03-03-84    | 24                        | 58                     | 31                       | 96         |
| 03-04-84    | 24                        | 60                     | 17                       | 93         |
| 03-05-84    | 24                        | 63                     | 39                       | 86         |
| 03-06-84    | 24                        | 48                     | 15                       | 83         |
| 03-07-84    | 24                        | 63                     | 30                       | 73         |
| 03-08-84    | 24                        | 51                     | 14                       | 67         |
| 03-09-84    | 24                        | 51                     | 7                        | 65         |
| 03-10-84    | 24                        | 60                     | 8                        | 65         |
| 03-11-84    | 24                        | 42                     | 7                        | 63         |
| 03-12-84    | 24                        | 43                     | 8                        | 63         |
| 03-13-84    | 24                        | 62                     | 7                        | 62         |
| 03-14-84    | 24                        | 52                     | 5                        | 62         |
| 03-15-84    | 24                        | 53                     | 7                        | 62         |
| 03-16-84    | 24                        | 57                     | 5                        | 62         |
| 03-17-84    | 24                        | 43                     | 5                        | 62         |
| 03-18-84    | 20                        | 39                     | 6                        | 60         |
| 03-19-84    | 24                        | 53                     | 4                        | 61         |
| 03-20-84    | 6                         | 10                     | 0                        | 61         |

Jicarilla Tribal 118A No. 8  
Pump Test Results  
Basin Dakota Horizon

| <u>Date</u> | <u>Hours<br/>Produced</u> | <u>Barrels<br/>Oil</u> | <u>Barrels<br/>Water</u> | <u>MCF</u> |
|-------------|---------------------------|------------------------|--------------------------|------------|
| 05-24-84    | 15                        | 16.7                   | 102                      | 64         |
| 05-25-84    | 24                        | 11.6                   | 69                       | 55         |
| 05-26-84    | 24                        | 16.7                   | 43                       | 57         |
| 05-27-84    | 24                        | 16.7                   | 37                       | 87         |
| 05-28-84    | 24                        | 8.3                    | 22                       | 61         |
| 05-29-84    | 24                        | 12.5                   | 25                       | 57         |
| 05-30-84    | 24                        | 6.6                    | 24                       | 57         |
| 05-31-84    | 24                        | 6.7                    | 23                       | 78         |
| 06-01-84    | 24                        | 7.0                    | 21                       | 59         |
| 06-02-84    | 24                        | 5.0                    | 14                       | 87         |
| 06-03-84    | 24                        | 6.9                    | 19                       | 59         |
| 06-04-84    | 24                        | 6.6                    | 18                       | 83         |
| 06-05-84    | 24                        | 12.0                   | 22                       | 78         |
| 06-06-84    | 24                        | 13.6                   | 26                       | 100        |
| 06-07-84    | 24                        | 11.9                   | 23                       | 95         |
| 06-08-84    | 24                        | 10.0                   | 24                       | 95         |
| 06-09-84    | 24                        | 10.3                   | 25                       | 95         |
| 06-10-84    | 24                        | 8.9                    | 26                       | 95         |
| 06-11-84    | 24                        | 8.3                    | 18                       | 127        |

Proposed Commingled Formations  
Gas, Oil and Pressure Data

| <u>Well Name</u><br><u>Location</u>  | <u>Formation</u>              | <u>Oil</u><br><u>Gravity</u> | <u>GOR</u><br><u>SCFPB</u> | <u>BHP-PSIA</u><br><u>TOP Perf</u> |
|--------------------------------------|-------------------------------|------------------------------|----------------------------|------------------------------------|
| Jicarilla Tribal 118A<br>P-35-26N-3W | Gallup<br>Dakota              | 42°<br>45°                   | 1,151<br>9,500             | 1,996<br>3,665                     |
| Fred Phillips C-3<br>E-15-25N-3W     | Mesaverde<br>Gallup<br>Dakota | 55° (est)<br>41°<br>41°      | 18,380<br>10,100<br>0      | 1,415<br>1,795<br>2,784            |

Case 8295

Exhibit 4