

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 9-1-63

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date <b>7/4/98</b>		API Number <b>30-059-20378</b>	
Company <b>Amoco Exploration &amp; Production</b>				Connection <b>Bravo Dome CO2 Plant</b>		RTU Number <b>4112</b>	
Pool <b>N/A</b>				Formation <b>Tubb</b>		Unit <b>BDCDGU</b>	
Completion Date <b>5/14/98</b>		Total Depth <b>2355</b>		Plug Back Depth <b>2337</b>		Elevation <b>4690 KB</b>	
Csg. Size <b>5.50</b>		Wt. <b>14.0</b>		Csg. Inside Dia. <b>5.012</b>		Set At <b>2347</b>	
Tbg. Size <b>3.50</b>		Wt. <b>FG</b>		Tbg. Inside Dia. <b>2.95</b>		Set At <b>2078</b>	
Perforations From <b>2114</b>		To <b>2282</b>		Well Number <b>1935-302-E</b>		Unit Sec. Twp. Rge. <b>SEC. 30, T-19, R-35</b>	
Type well - Single-Bradenhead-G.G. or G.O. Multiple <b>Single</b>				Packer Set At <b>2078</b>		County <b>Union</b>	
Producing Through <b>Tubing</b>		Reservoir Temp. F <b>95</b>		Mean Annual Temp. F <b>60</b>		Baro. Press. - PSIA <b>12.2</b>	
State <b>New Mexico</b>		Flow Channel, L <b>2337</b>		Depth, H <b>2337</b>		Gg <b>1.5192</b>	
%CO2 <b>100</b>		%N2 <b>0</b>		%H2S <b>0</b>		Prover <b>ORIFICE</b>	
Meter Run <b>4 inch</b>		Taps <b>FLANGE</b>					

  

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Size	Stat. Press psig	Diff. Press. Hw	Temp. F	Press. p.s.i.g.	Temp. F	Press. p.s.i.g.	Temp. F	
SI					174				24 hour
1.					164				60 MIN
2.					151				60 MIN
3.					140				60 MIN
4.					128				60 MIN
5.					0				

  

RATE OF FLOW CALCULATIONS									
NO.	Coefficient 24 Hours)	hw * Pm	Pressure Pm	Flow Temp Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd		
							Values	Log(10)	
SI							0		
1.							700	2.8451	
2.							1113	3.0463	
3.							1538	3.1868	
4.							1950	3.2900	
5.							6973	AOF	

  

NO.	P r	Temp. R	T r	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
1.					A. P. I. Gravity of Liquid Hydrocarbon <td>N/A Deg.</td>	N/A Deg.
2.					Specific Gravity Separator Gas <td>N/A</td>	N/A
3.					Specific Gravity Flowing Fluid <td>1.5192</td>	1.5192
4.					Critical Pressure <td>1072 P.S.I.A.</td>	1072 P.S.I.A.
5.					Critical Temperature <td>548 R</td>	548 R

  

Pc	<b>216.0074</b>	Pc^2	<b>46,659</b>
NO.	P t^2	Pw	P w^2
SI		216.0	46.659
1.		207.4	43.005
2.		197.3	38.935
3.		192.0	36.859
4.		189.3	35.823
5.			

  

Pc^2 - P w^2		Log(10)	
1.	3,655	3.5628	
2.	7,724	3.8878	
3.	9,800	3.9912	
4.	10,836	4.0349	
5.			

  

(1) 4th test point		(2) 4th test point	
Pc^2	4.306	Pc^2 ^n	3.576
Pc^2 - P w^2		Pc^2 - P w^2	
4th test point		4th test point	
Q	P^2 ^n	6,973	= AOF
Pc^2 - Pw^2			

  

Absolute Open Flow	<b>6,973</b>	Mcf @ 15.025	Angle of Slope	<b>48.89</b>	Slope, n =	<b>0.873</b> (Cotangent)
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Remarks:			

  

Approved by Commission:	Conducted By: <b>Automation</b>	Calculated By: <b>Spreadsheet</b>	Checked By: <b>Michael Preston</b>
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Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals, and Natural Resources Department

Form C-103  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

WELL API NO.

30-059-20378

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well

OIL WELL ☐ GAS WELL ☐ OTHER CO2 ☐

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address of Operator

P.O. Box 303, AMISTAD, NEW MEXICO 88410

8. Well No.

1935-302E

9. Pool name or Wildcat

BRAVO DOME CO2 GAS UNIT

4. Well Location

Unit Letter E 2408 Feet From The North Line and 722 Feet From The West Line  
Section 30 Township 19N Range 35E NMPM Union County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
484' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Completion ☒

12. Describe Proposed or Completed Operations

(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)

SEE RULE 1103.

9/1/98  
MIRUSU. Kill well with 2% KCL, NU BOP, pull 3 1/2" X 4' chrome sub, run three 3 1/2" fiberglass subs (1ea 8', 1ea 10', 1ea 6'), rerun chrome sub. Set packer at 2102', ND BOP, test casing to 500#, held ok. INPE, flow well to tank for 4 hours, return well to production. RDMOSU.

Work performed to lower packer to below top of Cimarron.

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

SIGNATURE D. J. Holcomb TITLE Field Foreman DATE 9/4/98

TYPE OR PRINT NAME D. J. Holcomb TELEPHONE NO. (505) 374-3010

(This space for State Use)  
APPROVED BY R. J. Johnson TITLE DISTRICT SUPERVISOR DATE 9/15/98