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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-73

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. ☐ OIL WELL ☒ GAS WELL ☐ OTHER- CO2	7. Unit Name and Type Bravo Dome Carbon Dioxide Gas Unit
2. Name of Operator AMOCO PRODUCTION COMPANY	8. Well Name Bravo Dome Carbon Dioxide Gas Unit
3. Address of Operator P. O. Box 68, Hobbs, NM 88240	9. Well No. 2034-181 G
4. Location of well UNIT LETTER <u>G</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE, SECTION <u>18</u> TOWNSHIP <u>20-N</u> RANGE <u>34-E</u> NMPM.	10. Well Name and Type Bravo Dome Carbon Dioxide Gas Unit 240-Acre Area
15. Elevation (Show whether DF, RT, GR, etc.) 4825' GL	12. County Union

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. 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.

RD and MOSU 12-22-86. POH with production equipment. Perf Tubbs 2220-32, 2241-53, 2270-2350, 2354-68, 2 JSPF. Frac down 3-1/2" WS, 252 bbls 40# HEC gelled 2% KCL FW and 71 tons CO2 716000# 8/12 sand. Air 36 BPM. Treating pressure 3700#. ISIP 1500#. Clean out sand to 2426. Run 3-1/2" tailpipe, packer and on/off tool. 3-1/2" star 2000# fiberglass tubing. RD and MOSU.

PPWO: 706 MCFD x 0 BWPD at 193#.
PAWO: 1754 MCFD at 184 FTP.

0+2-NMOCD, SF 1-R.A. Sheppard HOU. Rm. 20.156 1-J.F. Nash HOU. Rm. 17.188 1-SBB
1-CMH 1-Amerada Hess 1-Amerigas 1-Cities Service 1-Conoco 1-CO2 in Action 1-Shell
1-Exxon 1-WF, Hobbs

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

SIGNED Shirley S. Brownlee

TITLE Admin. Analyst

DATE 2-24-87

APPROVED BY Ray E. Johnson

TITLE REGISTERED

DATE 2-27-87

CONDITIONS OF APPROVAL, IF ANY:

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-29-85	
Company Amoco Production Company		Connection	
Pool Carbon Dioxide Gas Bravo Dome Unit 640 Acre Area		Formation Tubb	
Completion Date 1/16/84		Total Depth 2560	Flow Back TD 2480
		Elevation 4825	
Csg. Size 7	Wt. 20	Set At 2553	Perforations: From 2220 To 2376
Thq. Size 3.5	Wt. 9.3	Set At 2204	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2173	Well No. 2034 181G
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2298	Mean Annual Temp. °F 50
		Baro. Press. - P _a 12.2	Unit Soc. Twp. Hgt. G 18 20 34
L 2298	H 2298	G _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover 4.0	Meter Run 4.0
			Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							308			
1.	4.025 x	2.000		255	7	59	274	50		
2.	4.025 x	2.000		233	16	60	253	50		
3.	4.025 x	2.000		213	27	60	232	50		
4.	4.025 x	2.000		172	42	60	212	50		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							744
2							1049
3							1308
4							1545
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	0
2					Specific Gravity Separator Gas	1.529
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	1072
5					Critical Temperature	547

P _c	320.2	P _c ²	102.53
NO.	P _r ²	P _w	P _w ²
1		286.2	20.618
2		265.2	32.197
3		244.2	42.894
4		224.2	52.262
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.390$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3126$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.390$

Absolute Open Flow	3126	Mcf/d @ 15.025	Angle of Slope	Slope, n 1.0
Remarks:				
Approved by Commission:				
Conducted By:		Calculated By:		Checked By:
		D. R. White		