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OPERATOR	1

API # 30-001-202-4

5A. Indicate Type of Lease
STATE ☐ REC ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
OIL WELL ☐ GAS WELL ☒ OTHER ☐
C02
SINGLE ZONE ☒ MULTIPLE ZONE ☐
2. Name of Operator
Amoco Production Company
3. Address of Operator
P.O. Box 606, Clayton, New Mexico 88415
4. Location of Well
UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE
AND 1980 FEET FROM THE West LINE OF SEC. 23 TWP. 18-N RGE. 33-E NMPM

7. Well Name
Bravo Dome Carbon Dioxide Gas Unit
8. Farm or Lease Name
Bravo Dome Carbon Dioxide Gas Unit
9. Well No.
1833 231K

10. Field and Pool, or Wildcat
Bravo Dome Carbon Dioxide Gas Unit 640-Acre Area
12. County
Harding

11. Elevations (Show whether DF, RT, etc.)
4750' GL
21A. Kind & Status Plug. Bond
Blanket-on-file
21B. Drilling Contractor
N/A
19. Proposed Depth
2900'
19A. Formation
Tubb
20. Rotary or C.T.
Rotary
22. Approx. Date Work will start
September, 1984

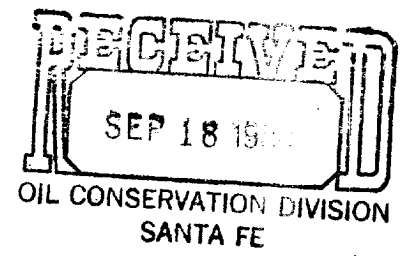
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32.30#	700'	circulate	surface
8-3/4"	7"	15, 20#	2900'	Tieback to 9-5/8"	surface

Propose to drill and equip well in the Tubb formation. After reaching TD logs will be run and evaluated. Perforate and stimulate as necessary in attempting commercial production.

Mud Program:
0 - 700' Native Spud Mud
700 - TD KCL Salt Water Gel-Starch

BOP Diagram attached.



APPROVAL VALID FOR 180 DAYS
PERMIT # 3-18-85
UNLESS OTHERWISE NOTED

0+5-NMOCD,SF 1-J.R.Barnett,HOU Rm 21.156 1-F.J.Nash,HOU Rm.4.206 1-WF,C 1-WF,H 1-Susp
1-JSM 1-Amerada 1-Amerigas 1-Cities Service 1-Conoco 1-CO2 in Action 1-Sun
1-Excelsior 1-Tex 1-Exxon

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

by John S. McElroy Title Asst. Adm. Analyst Date 9-17-84
(This space for State Use)

PROVED BY David A. Catonach TITLE FIELD OAC INSPECTOR DATE 9-18-84
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES LAND CONSERVATION COMMISSION
FIELD LOCATION AND ACREAGE DEDICATION PLAT

Form 7-73
Supersedes Form 7-67
Effective 1-1-74

See back with instructions on how to fill out this form.

Operator AMOCO PRODUCTION COMPANY		Well No. 1833231K	
Unit Letter K	Section 23	Township T18N	Range R33E
		County HARDING	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the WEST line			
Ground Level Elev. 4750	Producing Formation Tubb	Pool Bravo dome 640-Acre Area	Dedicated Acreage: 640 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests of all owners been consolidated by communitization, unitization, pooling, etc.

☒ Yes ☐ No If answer is "yes" type of consolidation: Pooling Declaration

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 interests, has been approved by the Commission.

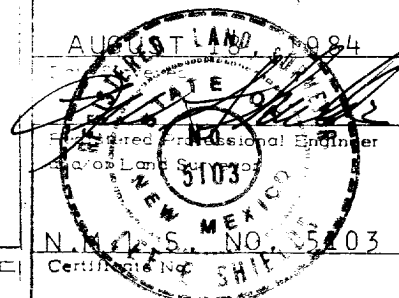
TRACT 501 Amoco Prod. Co. Sun Prod. Co. Betty Lee Cummings Janey Batemen Tom T. James et ux Mary C. Judd Louis F. James Newt James et ux	TRACT F-11 Amerada Hess Corp. U.S.A.
	TRACT 890 Amoco Prod. Co. Sun Prod. Co. E.D. Atkinson et al Ruby A. Marable et al Louis James et ux Newton S. James et ux Delton Judd et ux

CERTIFICATION

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

Name John E. McElroy
 Position Asst. Adm. Analyst
 Company Amoco Production Company
 Date 9-17-84

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.

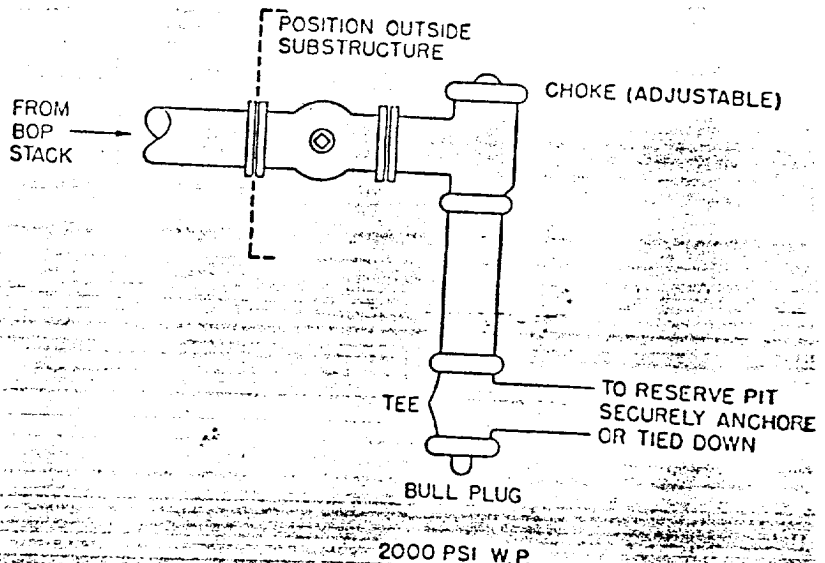
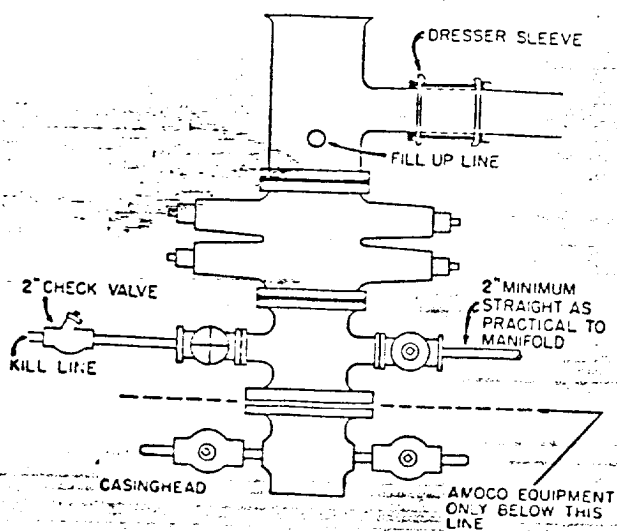


N. 1833231K S. NO. 5103
 Certificate No. SHI

0 200 400 600 800 1000 1200 1400 1600 1800 2000

STANDARD 2000 PSI W.P. BOP STACK

1. Blow-out preventers may be manually operated.
 2. All equipment must be in good condition, 2,000 psi W.P. (4,000 psi test) minimum.
 3. Bell nipple above blow-out preventer shall be same size as casing being drilled through.
 4. Kelly cock to be installed on kelly.
 5. Full opening safety valve 2,000 psi w.p. (4,000 psi test) minimum must be available on rig floor at all times with proper connection or subs to fit any tool joint in string.
 6. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
 7. Double or space saver type preventers may be used in lieu of two single preventers.
 8. BOP rams to be installed as follows:
 - Top preventer - Drill pipe or casing rams
 - Bottom preventer - Blind rams
- *Amoco District Superintendent may reverse location of rams.
9. Extensions and hand wheels to be installed and braced at all times.
 10. Manifold valves may be gate or plug metal to metal seal 2" minimum.



NEWMEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Superseded O-124
Effective 1-1-81

All distances must be from the corner boundaries of the Section

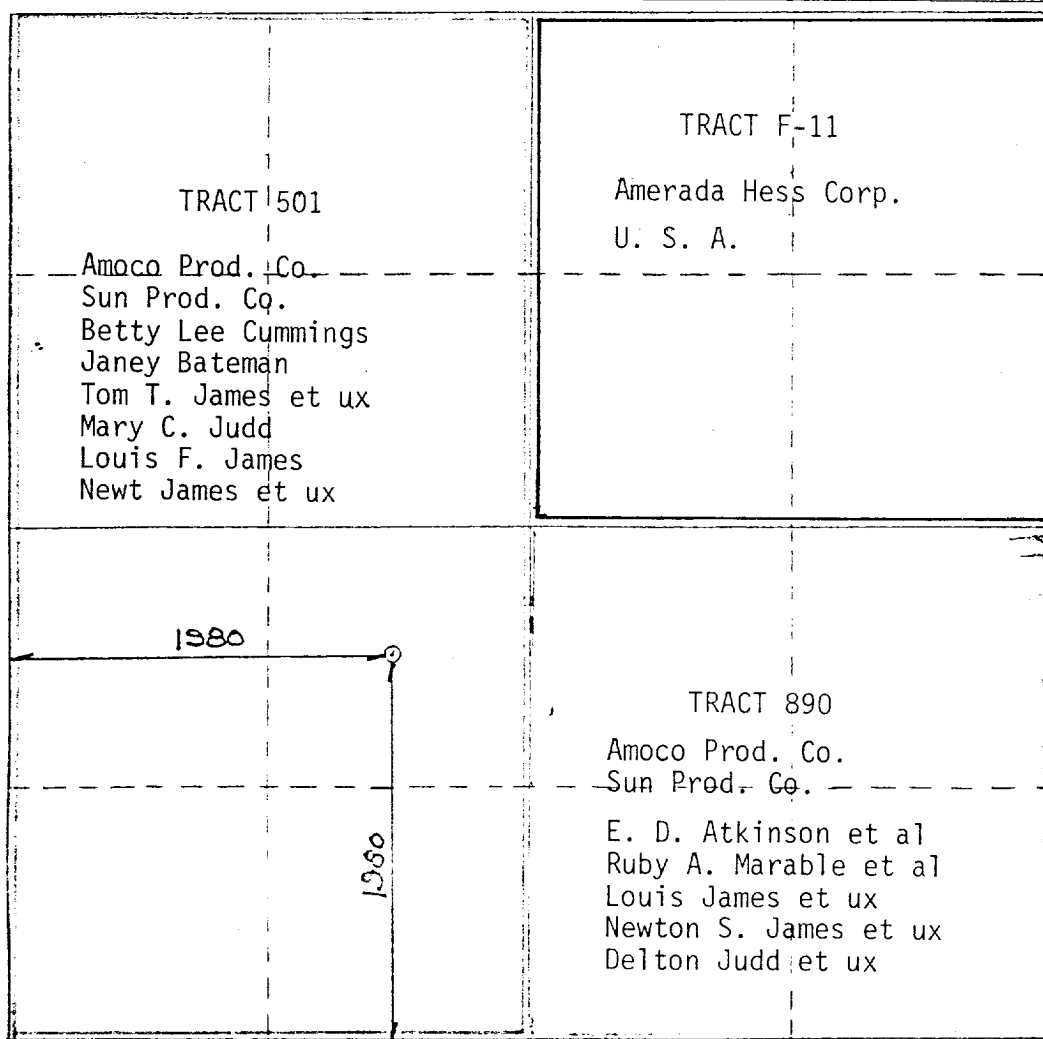
Operator AMOCO PRODUCTION COMPANY			Lease Bravo Dome Carbon Dioxide Gas Unit		Well No. 1833231K
Unit Letter K	Section 23	Township T18N	Range R33E	County HARDING	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the WEST line					
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2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Pooling Declaration

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 interests, has been approved by the Commission.



CERTIFICATION

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

Name John S. McElyea
Position Assist. Admin. Analyst
Company Amoco Production Company
Date 8-20-84

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.

AUGUST 18, 1984

Signature [Signature]
Registered Professional Engineer
and/or Land Surveyor

N.M.L.S. NO. 5103
Certificate No. SK1

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400