## UNITED STATES DEPARTMENT OF THE INTERIOR

Budge	approvet Burea	ed. u No.	42-R1425

DEPARTME	30 - 045 - 22440 5. LEASE DESIGNATION AND SERIAL NO.					
GEOL	•					
APPLICATION FOR PERMIT	NM-28749  6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
1a. TYPE OF WORK	TO DRILL, DELL	LIN, OR PLUG	BACK		OR INTE NAME	
DRILL X	DEEPEN 🗌	PLUG BA	CK 🗌	7. UNIT AGREEMENT NA	ME	
OIL GAS WELL X OTHER  2. NAME OF OPERATOR		SINGLE MULTIZONE ZONE	PLE	8. FARM OR LEASE NAM	E	
				Federal		
Palmer Oil &	as Company			9. WELL NO.		
P. O. Box 256  4. LOCATION OF WELL (Report location clearly at At surface	No. 2 10. FIELD AND POOL, OR	WILDCAT				
	Blanco-Mesav	erde				
1850' FEL, 1525 At proposed prod. zone	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA					
Same				SW4NE4 Section 10 -		
14. DISTANCE IN MILES AND DIRECTION FROM NE				Township 3 N Range 7W		
10 Miles North of Navajo		O OF ACRES IN LEASE		San Juan	New Mexico	
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	1525'	160	17. No. 6	F ACRES ASSIGNED		
18. DISTANCE FROM PROPOSED LOCATION*		ROPOSED DEPTH	20 ROTAE	320 RY OR CABLE TOOLS		
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	None	62001		Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)		V-4	1	22. APPROX. DATE WORE	WILL START*	
6494 GL				April 15, 19		
	PROPOSED CASING AN	D CEMENTING PROGRA	A M		11	
SIZE OF HOLE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT		
13 3/4" 9 5/8"	32#	200'		225 sacks		
8 3/4" 7 " 6 1/4" 4 1/2"	20#	3700'		225 sacks		
6 1/4"   4 1/2"	10.5#	6200'	1	325 sacks		
1. Palmer Oil & Gas will air 2. Surface pipe will be set Cliffs or approximately 3 3. Intermediate electric log T.D. to 3700' after reach 4. After perforating the pro 5. The gas is not dedicated. 6. A Shaffer 8" - 3000' BOP 7. See Commission Order No. 8. The Spacing Unit comprise 9. Palmer Oil & Gas Company unit.  N ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If one. If proposal is to drill or deepen directions reventer program, if any. 4.	to 200'. Internal to 200' and if wells are planned aring T.D. ductive zone with blind and process of the W½SW4 Section process of	nediate pipe will is productive to 3700' and elected by the fractured pipe rams to be thodox location 2, E½SE¼ 55 communitizing	4 1/2" ctric 1  if necused. ection	casing will be og will be run essary.  3, and NEL Sedf form with above 30,000	from  From	
Robert D. Ballantyi (This space for Federal or State office use)	TITLE C	rilling Superin	te <del>nden</del> t	DATE March	21, 1977	
PERMIT NO.		APPROVAL DATE				
,			:			
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE		\$ .v	DATE	· · · · · · · · · · · · · · · · · · ·	
Stal	j.:1	<u>-</u>		MARCO 3 1077		

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section

			Lease	ner boundaries of	the section.					
Operator				oma <sup>7</sup>			Well No.			
Falmer Oil	Company Section	Township	Fen	eral	County		2			
Unit Letter			1,001			_				
<u> </u>	10	<u> 31 N</u>		7W	San .	Juan				
Actual Footage Loc				'A						
1525	feet from the NO			U fee	t from the	East	line			
Ground Level Elev.	-		Pool	•		De	edicated Acreage:			
611911	Mesave	rde		lanco Mesav	/erde		320.00 Acres			
	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.									
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										
If answer i	is "no" list the	owners and tract d	escriptions	which been e-	stualle: 1	101	1 /11			
this form if	necessary.)	owners and flact 0	escriptions	which have ac	tually bee	en consolidate	d. (Use reverse side of			
		1				<del></del>				
No allowab	le will be assigned	ed to the well until	all interest	ts have been c	onsolidate	ed (by commu	nitization, unitization,			
torced-pool	ing, or otherwise)	or until a non-stan	dard unit, e	liminating suc	h interests	s, has been ap	proved by the Commis-			
sion.						•				
						1				
1		·		1		C	ERTIFICATION			
1	NW Pipe		er Oil	1						
	NM 0136	1 1 1	Company	1		I hereby cert	ify that the information con-			
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Palmer Oi	1 & Gas Compa	10 11		1						
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NM-2		11		1		shown on this	plat was plotted from field			
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## TWELVE POINT PLAN OF DEVELOPMENT

For Surface Use for Palmer Oil & Gas Company's Federal No. 2  $SW_4^1 NE_4^1 \text{ Section } 10\text{-}T31N\text{-}R7W$ San Juan County, New Mexico

- Existing roads including location of the exit from the main highway.
   Refer to attached highway map. The location will be approximately 10 miles
   North of Navajo City.
- 2. Planned access road. See Topographic Map attached. Approximately 600' of road work is planned for the drilling phase of this work. Grading of rough spots will be performed and if necessary, culverts will be used to maintain natural drainage of the land. The access road will be kept to a minimum of not more than 25'. Any existing gates and cattle guards will be used and maintained.
- Location of wells. No additional wells are planned on this lease.See attached plat.
- 4. Location of existing and/or proposed facilities.

  There are no existing production facilities owned or controlled by the lease. Should commercial production result in this well, the tanks will be 12' in diameter with 4' between same. A skid mounted production unit will be used. All equipment will be set on gravel pad. The gravel will be purchased and hauled in from Farmington. Livestock and wildlife will be protected by a guard around the wellhead unit. No fence is planned around the tanks or separator as no hazard exists. The location of the tank battery will be as close as practical to the well and on the high side of the same. The tank battery graded site will approximate 175' X 50'.
- Location and type of water supply.
   No arrangements for water have been made at this time.
- 6. Source of construction materials.

  All construction material such as gravel, sand, timbers, etc., will be purchased in Farmington and hauled to the location. No water, sand, or gravel will be used from this lease.
- 7. Methods for handling waste disposal. At the time of drilling, a reserve pit will be in use to dispose of waste drilling fluids. An earthen pit will be dug adjacent to the reserve pit for waste disposal such as food wrappers, rags, empty containers, etc. Upon completion of the operation, the reserve pit and other earthen pits will be covered with a minimum of 3' of clean soil and reseeded as per USGS requirements for this area.
- 8. Ancillary Facilities.

  No camps or airstrips will be used.
- Wellsite layout.
   See attached plat. Top soil will be stockpiled and placed back in place upon completion. The pits will be unlined.

- 10. Plans for restoration of surface.
  - Upon completion of the drilling of the well, all pits will be backfilled and top soil replaced and recontoured back to the original terrain. The location of the separator unit and tanks will be left level with gravel pad under each piece of equipment. Pits will be backfilled as soon as they evaporate enough to permit such work. If well is drilled as planned in early 1977, complete restoration and clean up will be accomplished by Fall, 1977. Should it be necessary to protect livestock or wild game, pits will be fenced and maintained until clean up operations are commenced. Should oil accumulate on the pit, it will be removed and buried 6' deep or overhead flagging will be employed to protect wildlife. The location will be reseeded as per USGS requirements prior to September, 1977.
- 11. Other information.
  - 1) Topography -- drillsite and access is low valley profile and sandy hills.
  - 2) Vegetation -- sparce grass, sagebrush and sparce pinon trees.
  - 3) Land use -- land is used for grazing with no reservoir or water on this lease. There are no known archeological, cultural, or historical sites on this lease.
- 12. Lessee's or operator's representative.

Elledge Consulting and Production Company 1701 Bloomfield Highway Farmington, New Mexico 87401

Harold W. Elledge, President

Office Phone (505) 327-1181

OR

Robert Ballantyne
P. O. Box 2564
Billings, Montana 59103

Office Phone (406) 248-3151 Home Phone (406) 656-1304

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Cardinal Drilling Company, and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is proposed.

Date: March 23, 1977

. C. Campbe

## SEVEN POINT WELL CONTROL PLAN

PALMER OIL & GAS COMPANY
Federal No. 2
SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> Section 10-T31N-R7W
San Juan County, New Mexico

- 1. Surface Casing:  $9-5/8^{11}$   $2\frac{1}{4}$ /ft., Grade K-55, Short T&C, set at 200' and cemented with pump and plug method back to surface.
- 2. Casinghead Flange: 9-5/8" X 10-3/4" top 1500 psig W. P. Larkin (or equivalent) casinghead with two 2" 1500 psi L. P. outlets.
- 3. Approximately 3875' of 7" 23# intermediate casing will be set through the Point Lookout.
- 4. Blowout Preventor: An 8" 3000 psig W. P. Double gate hydraulic Schaffer BOP (or equivalent) with drill pipe rams and blind rams. All fill, kill, and choke lines will be minimum of 2" 2000 psi working pressure. The rams will be closed daily and checked for proper operation.
- 5. Auxillary Equipment: a) Drill pipe floats will be allowed at contractor's discretion. b) Visual and manual monitoring of mud system will be maintained.
- 6. Anticipated bottom hole pressure is less than 1000 psi at 4800' or a gradient of .229 psi/ft.
- 7. Well will be drilled with water base mud system with 8.8 9.0 ppg weight, 35 45 seconds viscosity to 3875. Intermediate string of 7" will be set and cemented to surface. A 6-1/2" gas drilled hole will be drilled to approximately 4800" and a 4-1/2" 9.5# liner set through the mesaverde pay and cemented back to the intermediate casing.

PALMER OIL GAS COMPANY

C. Camobel









