SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

30-095-2334/ 5. LEASE DESIGNATION AND SERIAL NO.

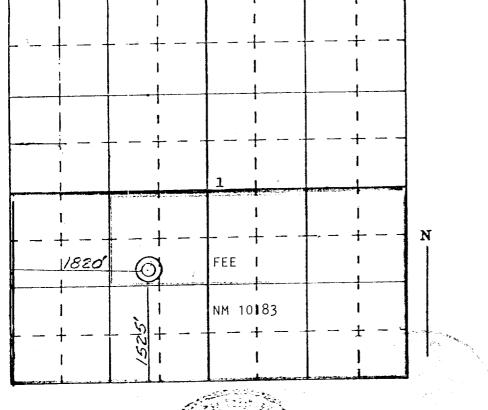
	USA NM-10183							
APPLICATION	6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
a. TYPE OF WORK	LL X	DEEPEN		PLUG BA		7. UNIT AGREEMENT NAME		
b. TYPE OF WELL		DELILIA						
OIL GA WELL WY 2. NAME OF OPERATOR	ELL X OTHER			INGLE MULTI	PILE	8. FARM OR LEASE NAME Federal		
Palmer Oil &	Gas Company					9. WELL NO.		
3. ADDRESS OF OPERATOR						THE LA		
	4, Billings, Mo			State requirements *)		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde		
At surface	from West Line					11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zone		0 1,72,7 1.				ر.		
	same					NE4SW4 Sec. 7-T31N-R13W		
	miles east of l		T OFFIC	r.		12. COUNTY OR PARISH 13. STATE San Juan New Mexico		
15. DISTANCE PROM PROPO	SED*		16. NO	O. OF ACRES IN LEASE		OF ACRES ASSIGNED		
PROPERTY OR LEASE 1. (Also to nearest drig	INE, FT. 1	120' (479.63			TO THIS WELL 5/370		
18. DISTANCE FROM PROP TO NEAREST WELL, I	OSED LOCATION*		19. PROPOSED DEPTH			20. ROTARY OR CABLE TOOLS		
OR APPLIED FOR, ON THE	S LEASE, FT. 26	540 '	48	00'	K	Rotary		
21. ELEVATIONS (Show whe	etner DF, RT, GR, etc.)	5785' GR				22. APPROX. DATE WORK WILL START* March 1 , 1977		
23.	F		NG ANI	CEMENTING PROGR	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00Т	SETTING DEPTH		QUANTITY OF CEMENT		
12-1/4"	9-5/8"	24#		200'		85 sacks		
8-1/4"	7 11		23# 3875 1		350 sacks			
6-1/2"	4-1/2"	9.5#		4800'	3	50 sacks		
with 80 ac	res of fee acre	eage as ill	ustr	ated and outli	ned in	red on the attached		
 We plan to Well will 	be drilled with	mesaverde Dirotary to	test	In the NE \pm 5W \pm	or sec Bulsurf	tion 1-T31N-R13W. ace casing will be		
		•				lled to approximately		
38 75' and	a string of 7"	23# interm	nedia	te casing will	be set	and cemented to surface.		
The hole w	vill be reduced	to 6-1/4"	and	gas drilled to	approx	imate T.D. of 4800'		
to test the	ne mesaverde. In and if produ	intermediat ictive 4 - 1	.e 10 /211	gs will be lun X95#liner w	ill be	5'. At T.D., logs set from 3800' to		
	emented with a							
•	vill be perfora		and	fraced in 2 st	ages ut	ilizing 2% KCl		
/	20/40 and 10/2	,						
IN ABOVE SPACE DESCRIBES LONG. If proposal is to oreventer program, if any	drill or deepen directions	proposal is to dee	pen or p t data e	olug back, give data on pon subsurface locations a	present prod and measure	luctive zone and proposed new productive d and true vertical depths. Give blowout		
24.	1 —							
SIGNED Have	W Zlledy	Z TI	rle	Engineer	···-	DATE Jan 28, 1977		
(This space for Fede	ral or State office use)				nil para transport			
PERMIT NO.				APPROVAL DATE		Carlot Area Comments		
						Some of the state		
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY:	TI	rlr			DATE		

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

		All dista	inces must be ti	rom the outer bo	HARGETHES OF	the Sect	К			
Operator				Lease			= 1		Well No.	4
PAL	MER OIL C	OMPANY			FEDEF	RAL 9	3977: /		- / K	<u> </u>
Unit Letter K	Section 1	Township 31 N	IORT H	Range 13 WE	1	County SAN	JUAN			
Actual Footage Local	ation of Well: feet from the	South	line and	1820	feet	from the	West	ljn	e	
Ground Level Elev. 5759	-	Formation averde		P∞l Blanco	Mesave	rde	_	Dedicated 5 32	d Avereog e : 0	Acres
1. Outline the	acerage dedica	ted to the sub	ject well by co	olored pencil (or hachure	e marks	on the pla	it below.		
2. If more that interest and roy		dedicated to	the well, out	line each and	lidentify	the ow	vnership tl	hereof (bot	th as to w	vorking
3. If more that by communitize	in one lecse of ation, unitizati	different owr on, force-poo	nership is dedi ling. etc?	cated to the	well, have	e the in	terests of	all cwners	been conso	lidated
(X) Yes () No	f answer is "	yes," type of	consolidation	Commu	nitiza	ation		-	
If answer is "n					ctually co	onsolida	ted. (Use	reverse sid	de of this ?	form if
No allowable w	vill be assigned erwise) or until	to the well un a non standa	til all interest rd unit, elimir	s have been on nating such in	consolidati iterests, hi	ed (by as been	communit approved	tization, ur by the Cor	nitization, nmission.	forced-
							С	ERTIFI	CATIO	н
							1 hereby	certify that t	the informatio	n containe

hereit is true and complete to the best of my knowledge and belief. Name L. C. Campbell Land Manager Position Palmer Oll & Gas Company January 28, 1977 Date I hereby certify that the well occarion statis plat was plotted from field notes of surveys made by me to under the supervision that the same is true and correct for the best knowledge and belief



Registered Professional Engineer and/or Land Surveyor James P. Lees

Date Surveyed

1463 Certificate No.

TWELVE POINT PLAN OF DEVELOPMENT

For Surface Use for Palmer Oil & Gas Company's Federal Com. No. 2

NE¹/₄SW¹/₄ Section 1-T31N-R13W 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 right off State Highway 173, 2 miles east of La Plata.
- 2. Planned access road.

 See Topographic Map attached. Only minor road work is planned for the drilling phase of this work. Grading of rough spots wil be performed with very little disturbance of ground. The width of access road will be kept to a minimum of not more than 25' and natural drainage will not be changed. Any exising 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 lessee.

 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 same. The tank battery graded site will approximate 175' X 50'.
- Location and type of water supply.Plan to haul water from the Aztec Irrigation Ditch by tank truck.
- 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.
- Ancillary Facilities.
 No camps or airstrips will be used.
- 9. 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 very low relief, rolling sand hills.

2) Vegetation - sparse grassland, sandy soil.

- 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

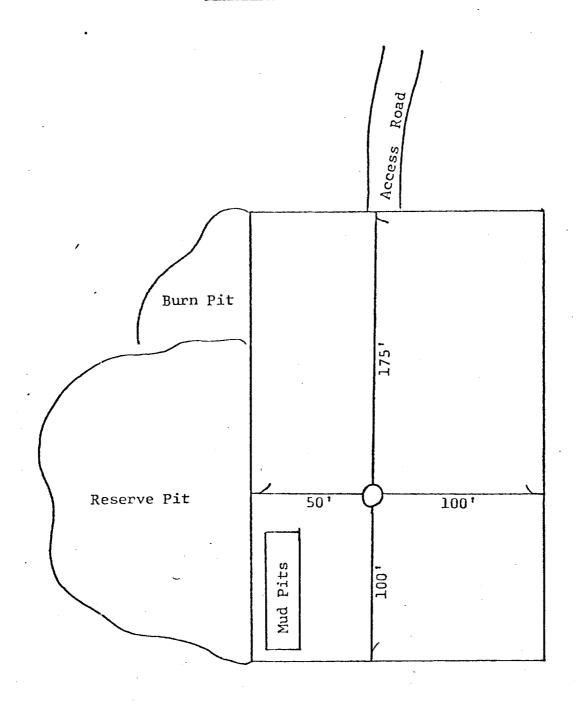
13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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.

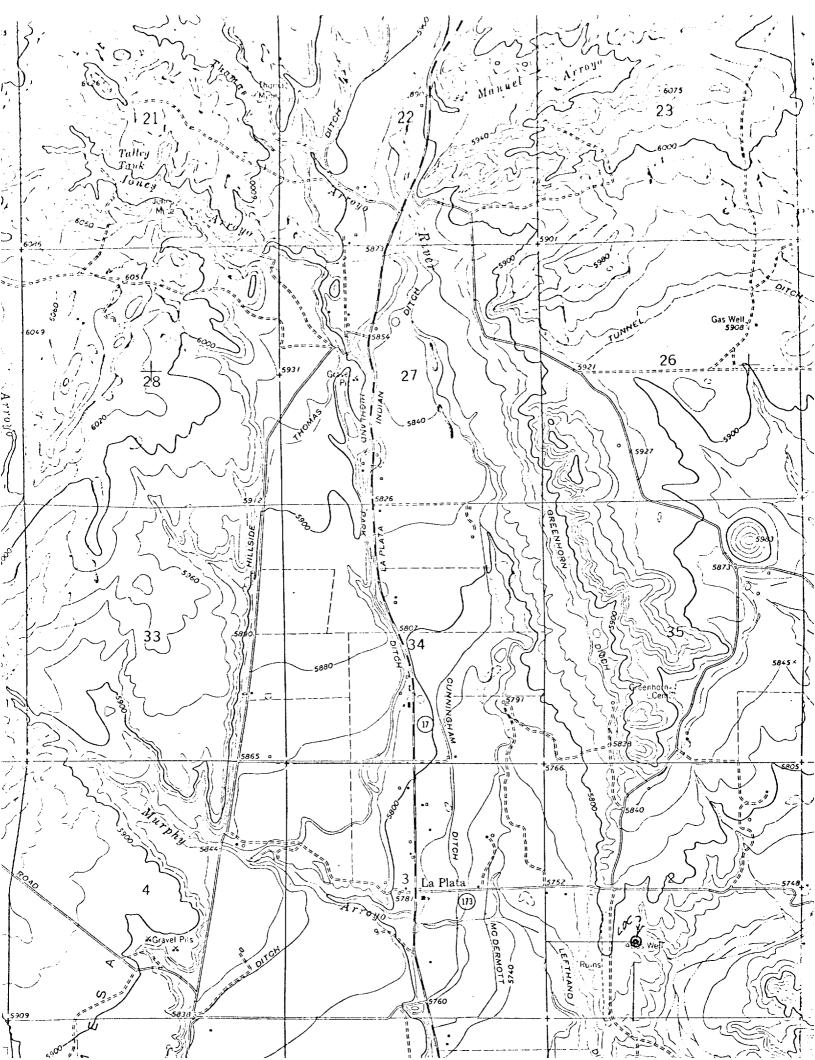
Date: December 24, 1976

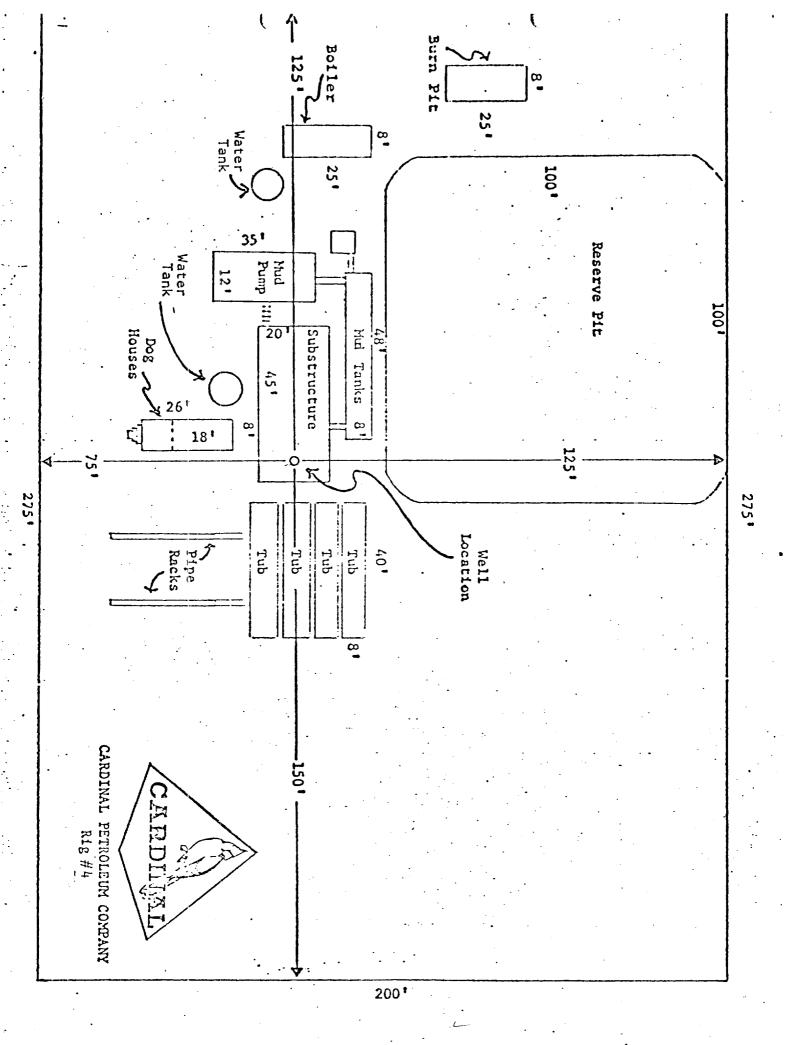
Harold W. Elledge

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Proposed Location Layout







SEVEN POINT WELL CONTROL PLAN

PALMER OIL & GAS COMPANY Federal Com. No. 2 NE¹/₄SW¹/₄ Section 1-T31N-R13W San Juan County, New Mexico

- 1. Surface Casing: 9-5/8" 24#/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: A 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.
- 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

By: SawedW. Mulge

P. O. BOX 1077
BILLINGS, MONTANA
59103



BLOWOUT PREVENTOR EQUIPMENT

