STRUCK IN THITLINATUR (f)ther Instructions on reverse side)

- corm approved Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INVERIOR

30-039-22031

	J 217777777	J				J. LEASE DESIGNATION	AND SERIAL NO.	
	GEDLOG	HCAL SURV	EY			Joint Ventu		
APPLICATION	V FOR PERMIT TO	OBILL	DEEPEN OR	PLUG !	RACK	6 IF INDIAN, ALLOTTE	B OR TRIBE NAME	
TYPE OF WORK						Jicarilla A		
	LL X	DEEPEN		PLUG BA	ск 🗀	7 PAIT GREENENT	NAME	
TYPE OF WELL			-					
RELT W	ELL X OTHER		SINGLE ZONK	MULTH ZONK	LLK []	S. FARM OR LEASE NA	ME	
AME OF OPERATOR	MIN. A					Apache-JVA		
Palmar Oil S	Cas Company					9. WELL NO.		
Palmer Oil &	das company					#10 -		
	4, Billings, Mor	stana 501	0.3			10. FIGURE AND FOOL.	OR WILDEAF	
OCATION OF WELL (R	eport location clearly and i	n accordance wi	th any State require	ements.*)		Blanco-Mesa	verde	
а вигателе						11. SEC., T., R., M., OR	BLK.	
NETNET 1100	ifnl ε 850'fet	_				AND SURVEY OR A	REA	
it proposed prod. zon	¢,					NEHNEH Sec.	28-27N-2W	
Same	AND DIRECTION FROM NEARS	ST TOWN OR POS	ST OFFICE*			12. COUNTY OR PAP SH	•	
						Rio Arriba	New Mexico	
Approx. Z/ MI	les North of Oji	το	16. NO. OF ACRES	IN LEASE	17 No. (OF ACRES ASSIGNED		
LOCATION TO NEAREST PROPERTY OR LEASE I	t'	0501			TO T	HIS WELL		
(Also to neurest drig	g, unit line, if any)	850'	Joint Ver			,04		
DISTANCE FROM PROP TO NEAREST WELL, D	RILLING, COMPLETED.	/A #2	19. PROPOSED DEP	TH	1	BY OR CABLE TOOLS		
OR APPLIED FOR, ON TH	IS LEASE, FT. 39	Rot	ary					
	ether DF, RT, GR, etc.)	_				22. APPROX. DATE WE	ORK WHALSTART*	
7425' GR.						j June 1.	1979	
	PF	OPOSED CASI	NG AND CEMENT	ING PROGR	AM			
			TOOT HERMIN	No. 10 Property		QUANTITY OF CEME	No.	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I			-	300 sacks		
12-1/4"	9-5/8" (new)	36# 20#	300'		-	250 sacks		
8-3/4"	7'' (new)					600 sacks		
5-1/4"	4-1/2"(new)	10.5#	0350			OUU SACKS		
T27N-R2W. Well to be drill 8-3/4 casing.	& Gas Company widerilled by rotarilled by rotarilled by rotarilled to 4000' cosity Logs will	y tools. and set 7	Set 300' o	f 9-5/8" Air dril	casing 1 4000	g and cement to to T.D. and	o surface; run 4½''	
surface to	total depth, and perforated.	d if poten	itially comme	ercial,	4½" cas	sing or liner	will be set	
	rating, the prod	ductive zo	nes will be	fractur	ed, if	necessary.	Same Same	
Survey plat						and the state of t	\	
	t will be $E^{\frac{1}{2}}$ of	Section 2	28.			*	,	
Gas is not						•	ું નુત્વું છ	
							garanii (m. 1864)	
BOVE SPACE DESCRIBE . If proposal is to enter program, if an	: PROPOSED PROGRAM: If pr drill or deepen directionall y.	coposal is to dee y, give pertinen	pen or plug back, g it data en subsurfac	ive data on per locations a	oresent prod nd measure	ductive zone and proposed and true vertical dept	ed new productive bs Give blowout	
SIGNED Pole	t D Billanty	lipe 11	nτιε Drillin	ng Super	intende	ent DATE HE	1-1 24,19	
This space for Fede	ral or State office use)							

APPROVAL DATE _

DATE ____

TITLE .

CONDITIONS OF APPROVAL, IF ANY: od Frak

PER'HT NO.

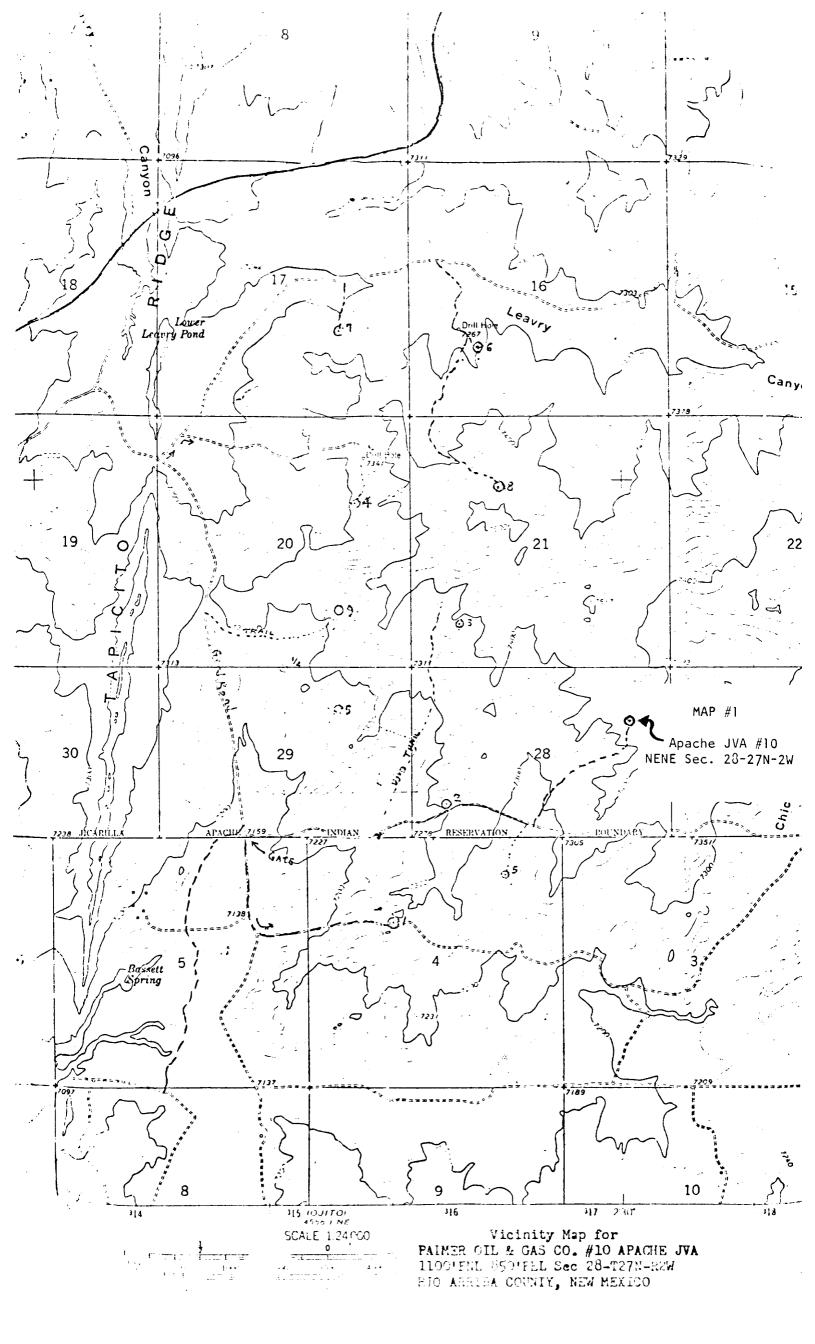
APPROVED BY

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. (9750 APACHE JVA PALMER OIL & GAS COMPANY County Hange Section Unit Letter RIO ARRIBA 27N 2W 28 Actual Footage Location of Well: 850 North 1100 feet from the Dadicated Acresqui Peol Producing Formation Ground Level Elev. 215,04 tres Blanco-Mesaverde 7425 Mesaverde 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? If answer is "yes," type of consolidation _ Yes Yes 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 5275 best of my knowledge and belief. 1001 Name Robert D. Ballantyne Position Drilling Superintendent 8501 Palmer Oil & Cas Company I hereby certify that the well location shown on this plat was plotted from field Sec notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my 28 knowledge and belief. Date Surveyed 5371 December 11, Register-si Professional Engineer Land Surveyor SCALE: 1"=1000'

Billiongs, Tontona

and Township Plat	Township	27N	Range	ŹW	, County Ric	Arriba	,	State .	New Mexico
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TWELVE POINT PLAN OF DEVELOPMENT

For Surface Use with Palmer Oil & Gas Company's
Apache JVA #10
NE‡NE‡ Section 28-T27N-R2W
Rio Arriba County, New Mexico

- 1. Existing roads including location of the exit from the main highway.

 Existing roads include the main road which runs along the southern boundary of the Jicarilla Apache Reservation, turn north on good gravel road and travel one mile to a fork, then right for one and a half miles along southern boundary of reservation, turn north on access road and travel for one half of a mile to the location. See Appendix 1, Pages 89, 90, and 91 of Environmental Study dated October 10, 1976, and Maps #1 and #2.
- 2. Planned access road.

See Topographic Map #1.

Access road will be bladed and not more than 25 feet wide.

Location of wells.

See Map #3.

4. Location of tank batteries, production facilities and production gathering and service lines.

If this well is productive, it would be gas; therefore, the facilities would be the wellhead, tanks for oil and condensate, $10' \times 10'$ water pit if necessary, separator and gas line to the well. The tanks and separator would be set within 150' of the well and the gas line would run adjacent and parallel to roads.

- Location and type of water supply.
 No arrangement has been made at this time.
- 6. Source of construction materials.

All construction material such as gravel, sand timbers, etc. will be purchased and hauled to the location. No water, sand or gravel will be used from this land.

- 7. Methods for handling waste disposal.
 - 1) Cuttings will be buried three feet below the surface.
 - 2) Drilling fluids will be left in a fenced, open pit to evaporate.
 - 3) Produced oil or condensate (if any) will be stored in a tank.
 - 4) Portable toilet to be provided.
 - 5) Trash will be burned in burn pit.
 - 6) After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil will be placed on any remaining fluid and cuttings, then top soil, if any, will be placed over both pit and location area.
- 8. Ancillary facilities.

No camps or airstrips will be used.

9. Wellsite layout.

See Plat #3. Top soil, if any, will be stockpiled and reused. Pits will not be lined. If there are any trees which have to be destroyed in building the location or access road, these trees will be counted by BIA and Palmer's representative and the Jicarilla Apache Tribe will be compensated for same.

10. Plans for restoration of surface.

Upon completion of the well, all pits will be backfilled and top soil replaced and recontoured back to the original terrain. Pits will be backfilled as soon as they evaporate enough to permit such work. 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 six feet deep or overhead flagging will be employed to protect wildlife.

11. Other information.

 Topography - Drillsite and access low valley profile. See Pages 89, 90, and 91 of Environmental Study.

2) Vegetation - Sparce grass, sagebrush.

- 3) Land use Land is used for grazing with no reservoir or water on this site. There are no known archaeological, cultural, or historical sites on this site. An archaeological survey will be done at the time of the location inspection by the Government Agency and Palmer's representative.
- 12. Lessee's or operator's representative.

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

Harold Elledge, President

Office Phone (505) 327-1181

OR

Robert D. 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 Four Corners Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is proposed.

PALMER OIL & GAS COMPANY

By: Robert D. Ballantyne
Drilling Superintendent

Proposed well 7A is to be located 800 feet from the south line and 2,250 feet from the west line of section 28 at an elevation of approximately 7,280 feet. This location is along an existing trail several hundred feet north of the main road along the southern boundary of the Jicarilla Apache



Figure 29
Looking North Across the Proposed 7A Location

Reservation. It will be necessary to improve the trail somewhat as well as to repair parts of the south boundary road before drilling this well. Should this well prove productive, a buried pipeline will be laid from the location southward along the access road to the reservation boundary road where it will turn west for about 3,000 feet staying parallel and adjacent to the road to join the flow line from well 4B.

Proposed well 7B is to be located 800 feet from the north line and 2,200 feet from the west line of section 28 at an elevation of approximately 7,340 feet. Existing trails reach this location from the 7A location but they will have to be improved or a new road built before drilling can



Figure 30 Looking West Across the Proposed 7B Location

begin. If this well proves productive it will be connected to the gathering system at the 7A location by a pipeline buried alongside the access road.

SEVEN POINT WELL CONTROL PLAN

PALMER OIL & GAS COMPANY
Apache JVA #10
NELNEL Section 28-T27N-R2W
Rio Arriba County, New Mexico

- 1. Surface Casing: 9-5/8" 36#/ft., Grade K-55, Short T&C, set at 300' and cemented with pump and plug method back to surface.
- Casinghead Flange: 10" 900 S adapted to 1500 psig W. P. Larkin (or equivalent) casinghead with two 2" 1500 psi L. P. outlets.
- 3. 7" intermediate casing will be set to approximately 4000' to case off any possible water from the Picture Cliff formation so as the remaining hole can be air drilled.
- 4. Blowout Preventor: A 10" 300 psig W. P. Double gate hydraulic Shaffer 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. Auxiliary 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 1800 psi at 6350' or a gradient of .277 psi/ft.
- 7. Well will be drilled with water base mud system with 8.8 9.0 ppg weight 35-45 seconds viscosity to 4000' Air drilling from 4000' to T.D.

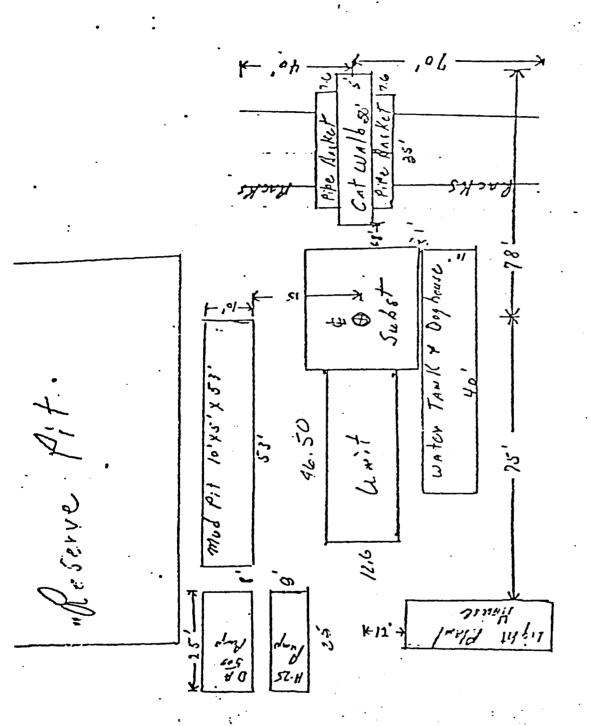
PALMER OIL & GAS COMPANY

Robert D. Ballantyne

Drilling Superintendent

702 E. HHOADWAY
FARMINGTON, NEW MEXICO 87401

TELEPHONE: (505) 327-1127



PLAT #3

Apache JVA #10 NENE Sec. 28-27N-2W

