SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side) UNITED STATES

30-639-21987

	DEPARTMENT O	F THE INT	ERIOR	5.	Joint Venture
	GEOLOGIC	AL SURVEY			. IF INDIAN, ALLOTTES OR TRIBE NAME
A DDL ICA TION	FOR PERMIT TO	DRILL, DEE	PEN, OR PLUG BA	ACK_ °	
	TOR TERMINITO				Jicarilla Apache
a. TYPE OF WORK DRILI	LX	DEEPEN	PLUG BAC	К Ц , [8]	
b. TYPE OF WELL	[V]		BINGLE MULTIPLE	• 🔲 🔽	FARM OR LEASE NAME
	L X OTHER		20.83		Apache-JVA
2. NAME OF OPERATOR	mer Oil & Gas Co	mpany			, WELL NO.
7 A I ADDRESS OF OPERATOR	mer orr a day or	7111P = 1.17			Ma. 6
_	0. Box 2564, Bi	llings, Mon	tana 59103	1	O. FIELD AND POOL, OR WILDCAT
4 LOCATION OF WELL (Rep	ort location clearly and in	accordance with a	y State requirements.*)	-	Blanco-Mesaverde ex 1-
	50 FSL, 1450 FWL			1	AND SURVEY OR AREA
At proposed prod. zone					NELSWL Sec. 16-27N-2W
				-	2. COUNTY OR PARISH 13. STATE
14. DISTANCE IN MILES AN	D DIRECTION FROM NEARES	TOWN OR POST O	FFICE-		Rio Arriba New Mexico
Approx. 2	7 miles North of	Ojito	NO. OF ACRES IN LEASE	17. NO. OF	ACRES ASSIGNED
15. DISTANCE FROM PROPUS	ED*		, or man-a	TO THE	1 × 320
PROPERTY OR LEASE LI	unit line, ii any	1450	Joint Venture D. PROPOSED DEPTH	20. ROTARI	OR CABLE TOOLS
18. DISTANCE FROM PROPO	SED LOCATIONS	1	6350'	Rota	rv
OR APPLIED FOR, ON THIS	LEASE, FI.	<u> </u>		1.000	22. APPROX. DATE WORK WILL START
21. ELEVATIONS (Show whet	ther DF, RT, GR, etc.)				February 1, 1979
7301' GR.		CARING	AND CEMENTING PROGRA		
23.	PRO				QUANTITY OF CEMENT
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT			300 sacks
12-1/4"	9-5/8" (new)	36#	3001		250 sacks
8-3/4"	7'' (new)	20#	4050'	ļ	600 sacks
6-1/4"	4-1/2" (new)	10.5#	6350'		
16-T27N-R2V 2. Well to be drill 8-3/4 casing. 3. IES and Possurface to set, cemen 4. After performance of the survey plane of the set of the se	drilled by rota drilled by rota 4" hole to 4050" rosity Logs will total depth, and ted and perforat orating, the protattached. It will be W1/2 of dedicated.	ty tools. and set 7" be run at d if potented. ductive zor	Set 300' of 9-5/8' casing. Air dril T.D. All potentia ially commercial, fractulication of the control of the c	casing $4,050$ $4,050$ $4\frac{1}{2}$ cas	the NE ₄ SW ₄ of Section and cement to surface; to T.D. and run 4½" will be analyzed from ing or liner will be necessary. 2 6 1978 puritive some and proposed new productive and true vertical depths. Give blowout
signed Robert	D. Ballantyne D. Ballantyne leral or State office use)		LE Drilling Super	intende	nt DATE 12/20/78
(This space for Fed	· · · · · · · · · · · · · · · · · · ·		APPROVAL DATE		
PERMIT NO.			APPROVAD DATE		
		T I T	LE		DATE
CONDITIONS OF APPRO	OVAL, IF ANY :				
COMPLICAS OF APPRO	· · · · · · · · · · · · · · · · · · ·				

of Frank

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances m	Lec	he outer boundarie			Well No.
rator	L & GAS COMPA	NY		APACHE JVA			
Letter	Section	Township		Range	County	Ad 15-m	-
K	16	27N		2W	R10	Arriba	
ual Footage Loc						West	line
1450	feet from the	outh n	ne cand	1450	feet from the	West	Dedicated Acreage:
und Level Elev.		rmation	Po	ol `			320 Acres
	Mosay	verde	E	lanco-Mesav	erde ext		
1. Outline to	and rovalty).	dedicated to t	he well, o	outline each and	identify the	ownership tl	ereof (both as to working
dated by Yes If answerthis form	No If is "no," list the if necessary.)	answer is "yes," e owners and tra	type of c	onsolidation	ve actually b	een consolid	all owners been consoli- ated. (Use reverse side of nmunitization, unitization, n approved by the Commis-
sion.	ooning, or otherwise					<u> </u>	CERTIFICATION
	 	Sec		DEC 2 7 OIL DON. DIST.		Name Robert Position Drill Company Palme Date	certify that the information con- erein is true and complete to the my knowledge and belief. D. Ballantyne Ing Superintendent Oil & Gas Company ber 20, 1978
1450)'		16		-₩- <u>E</u> 1978	shown notes under is trucknowled	ember 8. 1978
	.05ilī				,	and/or I	B. KERR.

TWELVE POINT PLAN OF DEVELOPMENT

For Surface Use for Palmer Oil & Gas Company's Apache JVA #6 NE4SW4 Section 16-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 two miles to a fork, then right for $1\frac{1}{2}$ miles, go south, past dry hole for half a mile to location. See Appendix 1, Pages 92, 93, and 94 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' wide.
- 3. 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.

- 5. Location and type of water supply. No arrangement has been made at this time.
- 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 3' 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.

DIST. 3

8. Ancillary facilities.

No camps or airstrips will be used.

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 build-9. Wellsite layout.

ing 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. for same.

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- Plans for restoration of surface. 10. 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 92, 93, and 94 of Environmental Study.
 - Vegetation Sparce grass, sagebrush.
 - Land use Land is used for grazing with no reservoir or water on this 3) site. There are no known archaeological, cultural, or historical sites on this site. We have permission from Mr. Bill Allen, who's with the BIA in Albuquerque, New Mexico and whose phone number is 505-766-3374, to have an archaeologist present at the time the dirt work is started rather than do the survey prior to the approval of the drilling permit, do to snow cover. BIA will accept the San Juan Campus of the New Mexico State University which is at Farmington, for this survey. Mr. George Nalor, phone #505-325-7556, or Dr. Ned Salmon, phone #505-632-2013, will do the archaeology work.
- 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

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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.



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SEVEN POINT WELL CONTROL PLAN

PALMER OIL & GAS COMPANY
Apache JVA #6
NE\piSW\pi Section 16-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.
- 7" intermediate casing will be set to approximatedly 4,050' to case off any
 possible water from the Picture Cluff formation so as the remaining hole can
 be air drilled.
- 4. Blowout Preventor: A 10" 3000 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.
- 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 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 4,050' Air drilling from 4,050' to T.D.

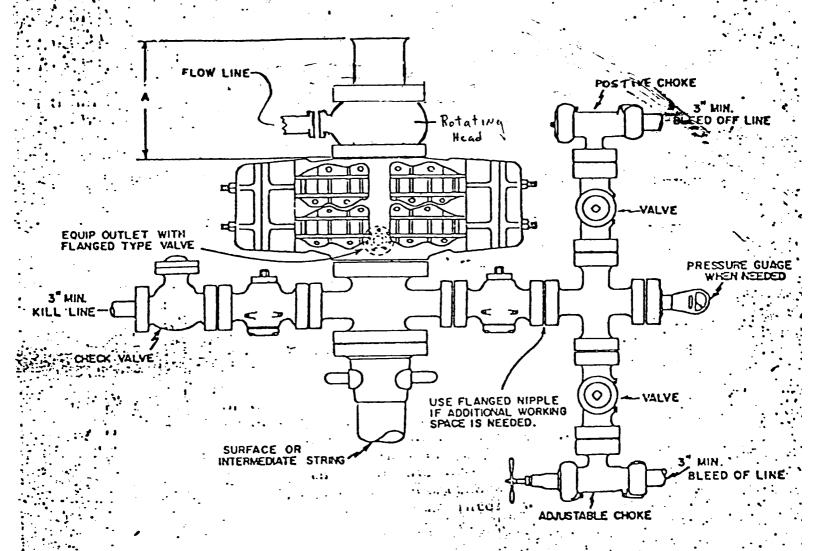
PALMER OIL & GAS COMPANY

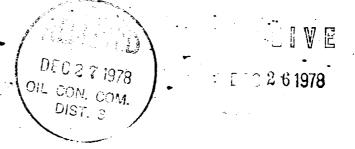
Robert D. Ballantine
Robert D. Ballantyne



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Proposed well 9A is to be located 2,050 feet from the north line and 800 feet from the west line of section 16

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at an elevation of approximately 7,235 feet. The well will thus lie just north of the main Leavry Canyon road and access



Figure 33
Looking North Across the Proposed 9A Location

to the location will be directly from that road. If this well proves productive, it will be connected to the existing gathering system by approximately 100 feet of pipeline running south to the flow line from well 8B along the Leavry Canyon road.

Proposed well 9B will lie 1,300 feet from the south line and 1,400 feet from the east line of section 16. This well will lie alongside an existing trail south of Leavry Canyon. This trail is usable over most of its length at

DEC 2 7 1978 OIL COM. COM. DIST. 3

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Appendix I

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Leavry Canyon crossing before building the location. This trail continues on to the 8B location and will also be used as the access route for that well. If the 9B location proves productive, it will be connected to the 8B flow line which crosses the edge of this location.

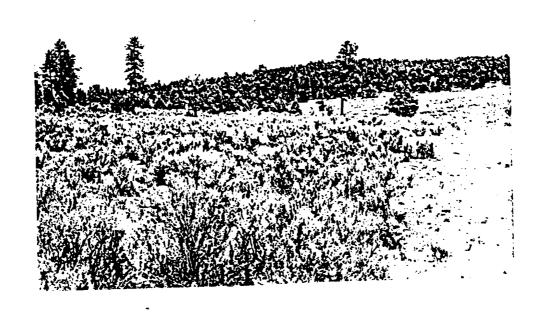
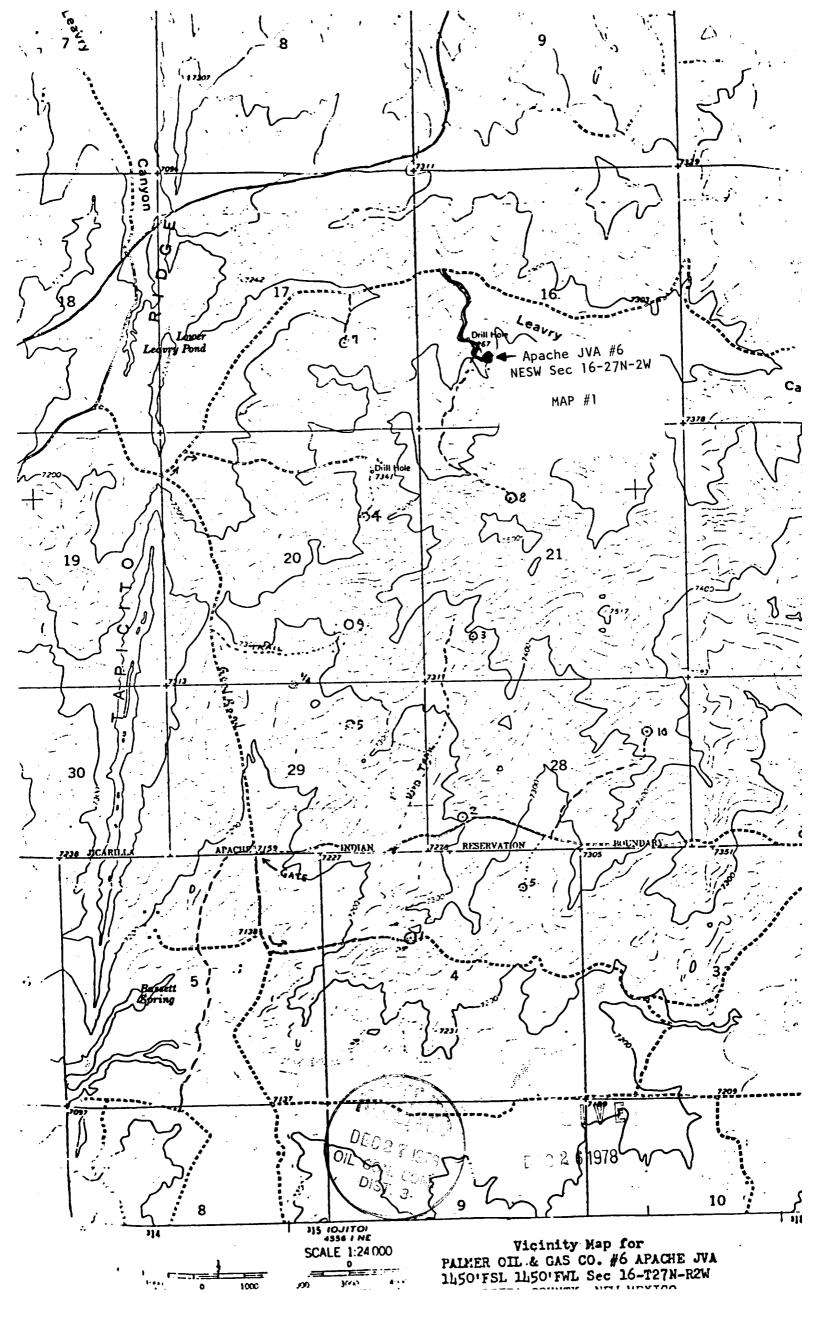


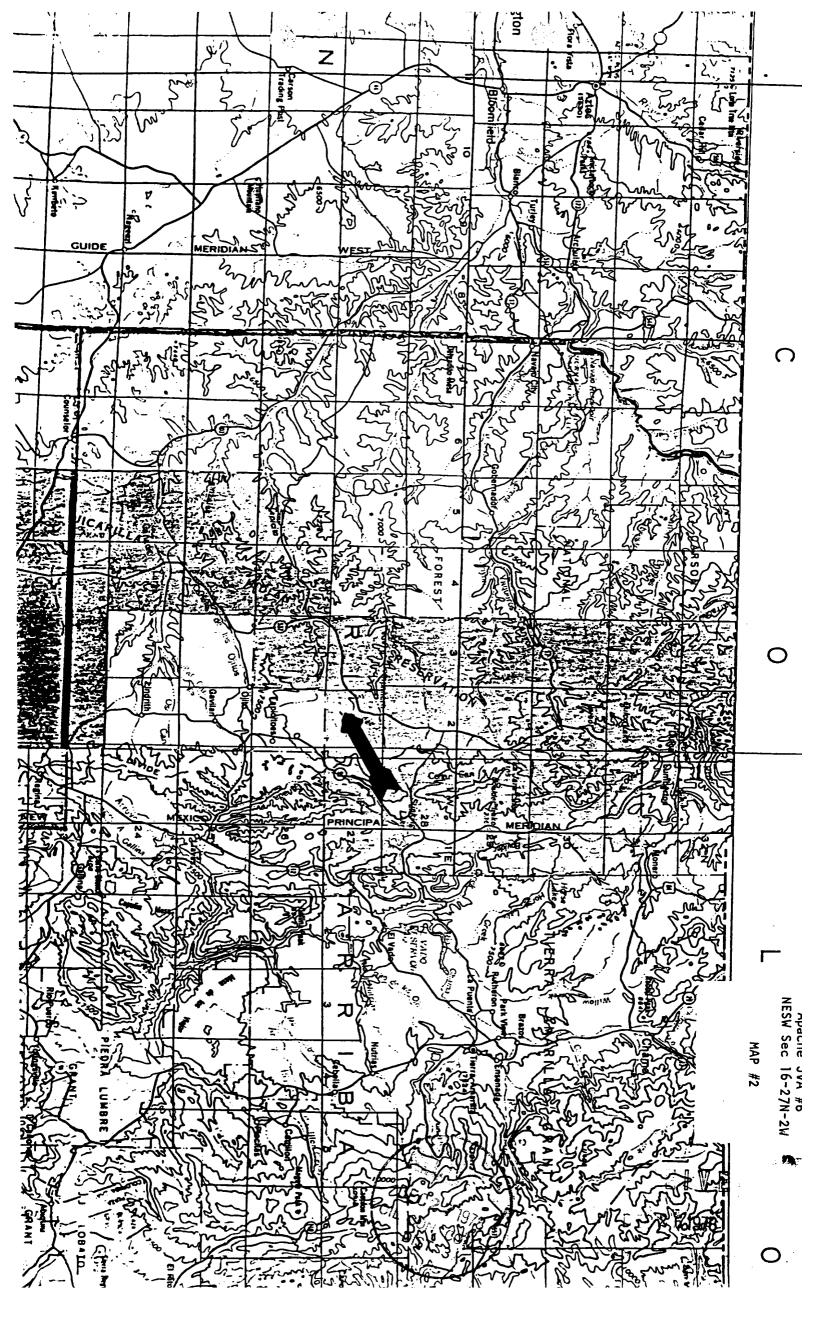
Figure 34
Looking North Across the Proposed 9B Location



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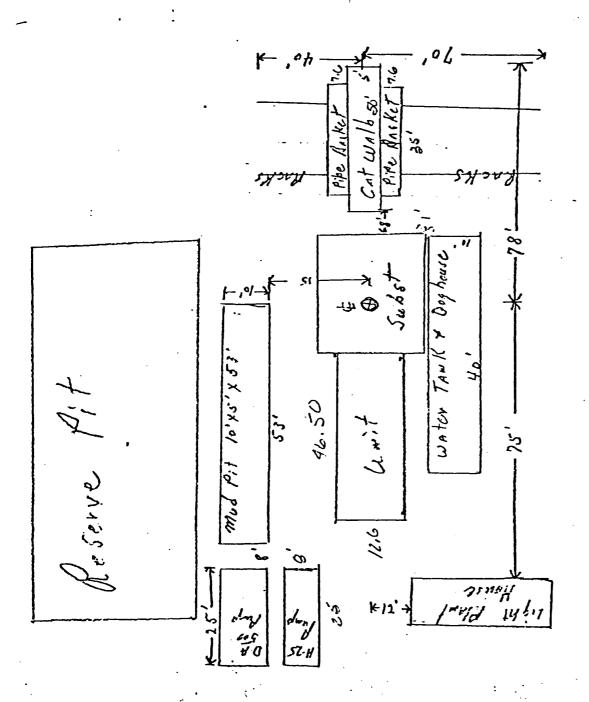
FOUR CORNERS DRILLING CO.

P. D. BOX 1067

702 E. BROADWAY

FARMINGTON, NEW MEXICO B7401

TELEPHONE: (505) 327-1122



Apache JVA #6 NESW Sec.16-27N-2W

PLAT #3



n 2 6 1978

	Township 27N	, Range	2W County	Rio Arriba	, St	ate New Mexico
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27N-R2W, Sec E1SW1 Map # 3						