SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on

	IINIT	ED STATES	(Other instru		Dauget Dureau No. 42-A1420.
	DEPARTMENT	30-043-20454			
	5. LEASE DESIGNATION AND SERIAL NO.				
4 221 16 4 710		GICAL SURVEY			NM2 4 1 4 1 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	N FOR PERMIT	O DRILL, DEEP	'EN, OR PLUG	RACK	O. A. INDIAN, ABSOLTED UE TRIBE NAME
1a. TYPE OF WORK	ILL 🛛	DEEPEN 🗌	PLUG BA	a \square	7. UNIT AGREEMENT NAME
b. TYPE OF WELL	ILL E	DEEPEN []	PLUG BA		-
	AS OTHER		BINGLE X MULTI	PLE .	8. FARM OR LEASE NAME
2. NAME OF OPERATOR					Alamos Canyon
Jack A. Co	le				9. WELL NO.
3. ADDRESS OF OPERATOR	2				
P. O. Box	10. FIELD AND POOL, OR WILDCAT				
4. LOCATION OF WELL (R At surface	Wildcat Chacra				
1120,	- `.	11. SEC., T., R., M., OR RLK. AND SURVEY OR AREA			
At proposed prod. son	_			,	Co. 0 2117 CT
A DISTANCE IN MILES	Same AND DIRECTION FROM NEAR	POR MONEY OF DOOR OFF	Ap\$		Sec. 8-21N-6W
		12. COUNTY OR PARISH 13. STATE Sandoval N. M.			
15 MILES S	W Counselors,		NO. OF ACRES IN LEASE	1 17 NO 4	Sandoval N. M.
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.				TO T	HIS WELL
(Also to nearest drig, unit line, if any)					160 RY OR CABLE TOOLS
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING COMPLETED	ne	2200		-
21. ELEVATIONS (Show wh		1		1	Rotary 1 22. APPROX. DATE WORK WILL START*
6795 Gr.				-	February 1, 1980
23.		ROPOSED CASING AN	D CEMENTING PROGE	AW	11 001 41 17 1700
	·				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	BETTING DEPTH		QUANTITY OF CEMENT
12 1/4	8 5/8	24.0	75		culate
6 3/4	4 1/2	10.5	2200	100	sacks
			•		
It is propo	nsed to drill	to TD of 22	200'. Run ES	-Ind a	and GR-Density
P-OP					
logs; run	4 1/2" casing	to TD. Per	forate casin	ράαὂ ρι	site Chacra sand
, , , , , , , , , , , , , , , , , , ,	,			2 EE-	
and sand-wa	ater frac tre	at down casi	ng; run l" t	ubing	to 2000' and
				1.Co.	
complete as	s Chacra natu	ral gas well	L •		CIL IT
				1	FIM-D/
Gas is not	101				
				a Same	21979
				TOF!	C28131
				J Lim	C281979 CON. COM.
	PROPOSED PROGRAM: If drill or deepen directions				uctive sone and proposed new productive d and true vertical depths. Give blowout
reventer program if an			SERSHINGE INCREINING 6	meaning	and the victorial depends. Give blowout
/4.	1111	7/		į.	

SIGNED REAL COLE TITLE	Operator	DATE December 12, 197		
(This space for Federal or State office use)				
PERMIT NO.	APPROVAL DATE			
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:		DEC 3 7 1979		

oh Bruh

*See Instructions On Reverse Side J.t.

J. S. GEOLOGICAL SURVEY DURANGO, COLO.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter boundaries of the Section.

Operator			Lease	Well No.						
JACK A. COI			ALAMOS CANYO	2						
Unit Letter	Section	Township	Range	County						
Actual Footage Loca	8 ation of Well;	21N	6W	Sandoval						
1120 feet from the North line and 1110 feet from the East line										
Ground Level Elev.	Producing For	}	Pool		cated Acreage:					
6795 Chacra			Wildcat		160 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 consoli- 										
dated by communitization, unitization, force-pooling. etc? Yes No If answer is "yes," type of consolidation 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.										
		•c.	1120,	I hereby certify tained herein i best of my know						
JAN OIL COA		8	DECISION OF THE PROPERTY OF TH	shown on this p	AL REPO79					
0 330 660 8	90 1320 1650 1980	2310 2640 2000	1800 1000 86	Certificate No.	TEAR, 18.					

JACK A. COLE PETROLEUM GEOLOGIST

P.O. BOX 191 FARMINGTON, NEW MEXICO 87401 (505) 325 - 1415

December 12, 1979

United States Department of Interior Geological Survey-Durango District P. O. Box 1809 Durango, Colorado 81301

Reference: 13 Point Environmental Program - Jack A. Cole -

Alamos Canyon #2, 1120/N and 1110/E Sec. 8-T21N-R6W.

Sandoval County, New Mexico

Gentlemen:

In compliance with governmental requirements, I hereby respectfully submit the following environmental data to accompany the application for permit to drill the above referenced test well.

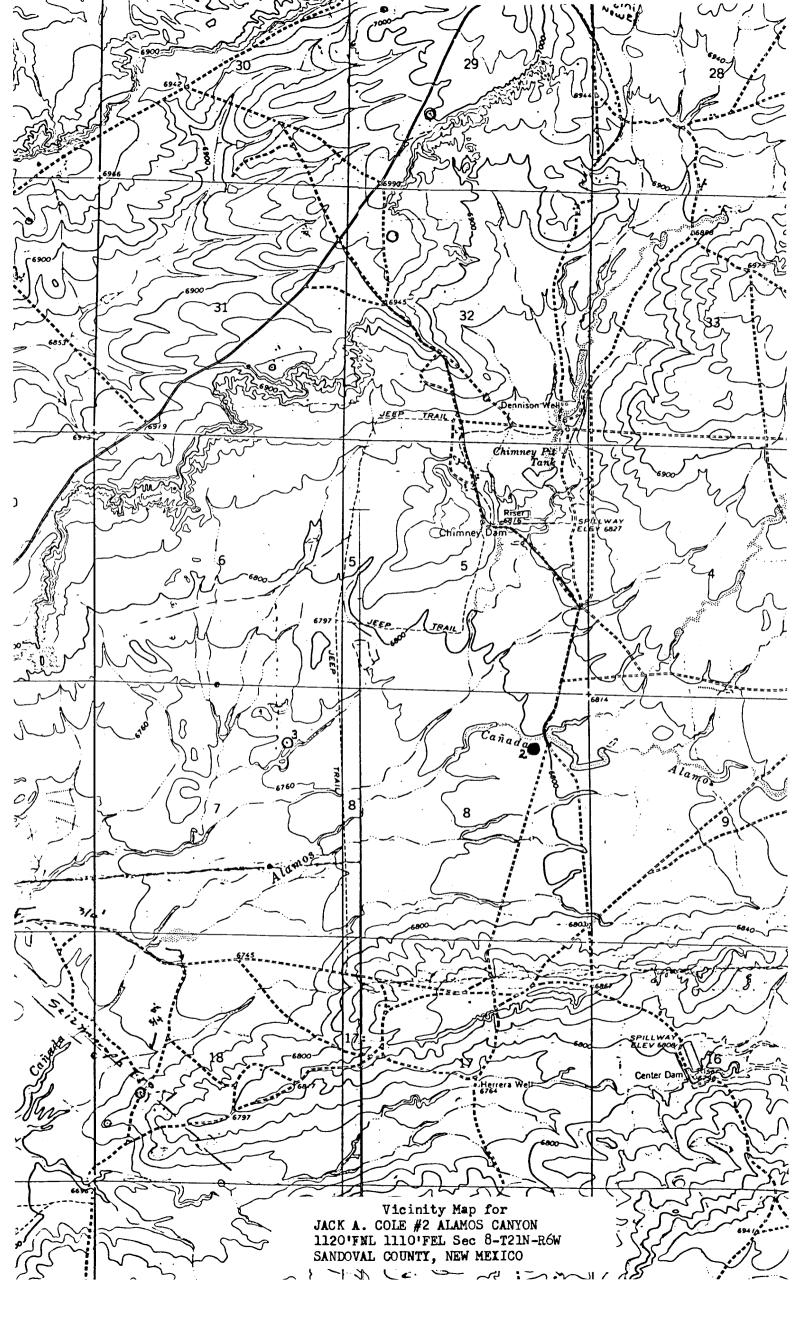
- 1. Access to location from N.M. Highway 44, turn right at Counselors, New Mexico, on main road. Travel south approximately 12 miles and turn left approximately 3 miles, all on existing roads.
- 2. Existing road to be utilized to within 50' of drillsite from which point a minimum width graded access road to be prepared to drillsite.
- 3. Well location as shown on attached survey plat and map.
- 4. Lateral road to well location as described in Item 2.
- 5. If gas production established, adequate production facilities to be installed immediately west of wellsite to accommodate a pipeline connection.
- 6. Water will be trucked to location from nearest source, a water hole located in NW4, Sec. 16-T21N-R6W via existing roads.
- 7. A reserve pit will be utilized for waste disposal. Trash will be buried 4 feet below surface.
- 8. No camps are planned.

United States Department of Interior December 12, 1979
Page 2

- 9. No airstrips are planned.
- 10. Location layout indicated on attached plat as furnished by Aztec Drilling Company.
- 11. Following drilling, mud pits to be fenced and allowed to dry, then filled with surface soil previously evacuated. Location, except for wellhead site and production equipment, to be restored to original condition as much as practicable.
- 12. The location is located in an area of relatively flat topography. No major rivers are in the immediate vicinity.
- 13. Three sides of reserve pit shall be fenced during drilling operations and the fourth side to be fenced after rig moves.

Juli

JAC:njs



JACK A. COLE

PETROLEUM GEOLOGIST P.O. BOX 191 **FARMINGTON, NEW MEXICO 87401** (505) 325 - 1415

JACK A. COLE ALAMOS CANYON #2 1120/N and 1110/E Sec. 8-T21N-R6W Sandoval County, New Mexico

Seven Point Well Control Program

- 1. Surface Casing. See Application for Permit to Drill.
- Spools and Flanges.
 - Surface Casing 10", Series 600, 1500 psi W.P. Production, 10", Series 600, 1500 psi W.P.

 - Tubing Head Series 600, 1500 psi W.P.
- Intermediate Casing. None
- Blowout Preventers. Production Hole - 10", 300 psi Fill, kill and choke manifold - 5000 psi W.P.
- 5. Additional Equipment (If necessary)
 - Kelly Cock Α.

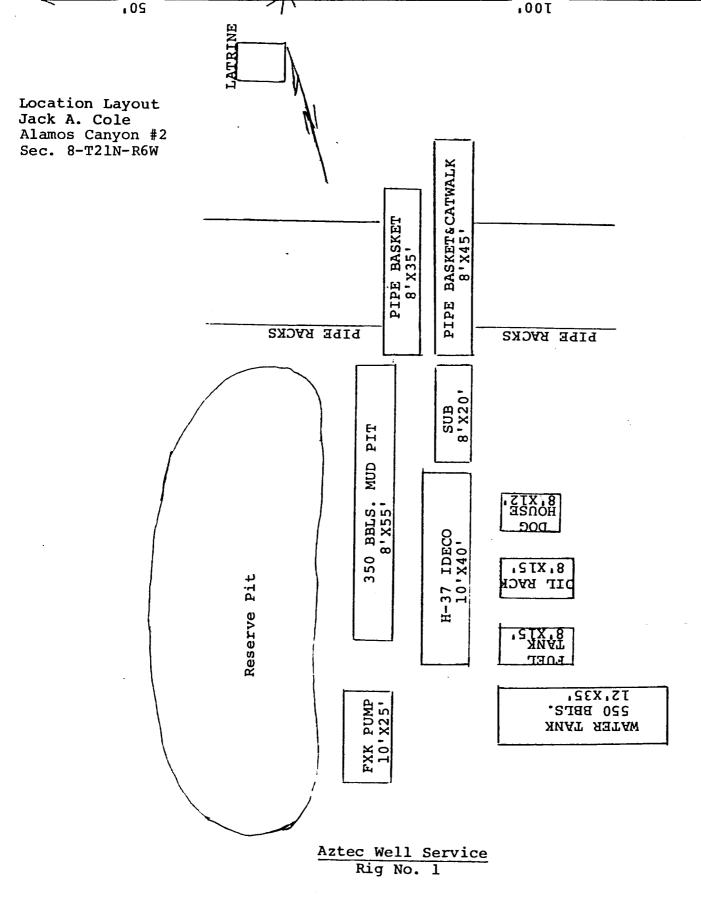
Pit Level Indicator D.

Bit Float В.

Ε. Sub with Valve for

C. Degasser

- drill pipe.
- Anticipated Bottom Hole Pressure. 1000 psi. Current mud program is for 9.2 lb./gal. mud with hydrostatic head of 1500 psi at 3000 feet. Mud weight will be increased if necessary for higher pressures.
- Drilling Fluid. 7. Low solids. Low water loss.



JACK A. COLE

PETROLEUM GEOLOGIST

P.O. BOX 191

FARMINGTON, NEW MEXICO 87401

(505) 325 - 1415

December 12, 1979

United States Geological Survey P. O. Box 1809
Durango, Colorado

Certification: Operator's Representative-Jack A. Cole,

P. O. Box 191, Farmington, New Mexico (505) 325-1415 - Alamos Canyon #2

Gentlemen:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site and access routes; that I am familiar with the conditions that 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 Jack A. Cole, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Very truly yours,

Jack A. Cole

Operator's Representative