D

SUBMIT IN TRIPLICATE. Form approved. Budget Bureau No. 42-R1425. (Other instructions on reverse side) UNITED STATES 30-043-2045 DEPARTMENT OF THE INTERIOR 5. LRABE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY						NM36941		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					ACK	6. IF INDIAN, ALLOTTE	B OR TRIBE HAMB	
1a. TYPE OF WORK				,				•
DR	ILL 🖾	DEEPEN		PL	UG BAC	жП	.7. UNIT AGREEMENT	TAME
b. TYPE OF WELL								
	VELL X OTHER		Singl Zowe	* [X	MULTIP! Zone	* 🔲	8. FARM OR LEASE NA	MB -
2. NAME OF OPERATOR							Alamos Can	VOD
Jack A. Co	le					-	9. WHILE NO.	yon
3. ADDRESS OF OPERATOR							,	• ·
P. O. Box 191, Farmington, New Mexico 87401						10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (B	eport location clearly and	in accordance wit	h any State	requireme	nts.*)		• .	•
11 00/N and 1120/W Sec. 15-T21N-R6W					Wildcat Chacra			
At proposed prod. sone					AND SURVEY OR AREA			
at proposed prod. so:	Same							
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*					Sec. 15-21			
	W Counselors						12. COUNTY OR PARISH	18. STATE
15. DISTANCE FROM PROP		, New Mexi					Sandoval	1. N. M.
LOCATION TO NEARES!	r			P ACRES IN	LEASE	17. NO. 0	F ACRES ASSIGNED	
PROPERTY OF LEASE I	g. unit line, if any)	120 ft.	2	040			160	
18. DISTANCE FROM PROF TO NEAREST WELL, D	BILLING. COMPLETED		19. PROPO	SED DEPTH		20. ROTA	EY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	B LEASE, FT. NO	one	2	200			Rotary	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)					 -	1 22. APPROX. DATE WO	RE WILL STARTS
6839 Gr.					February 1	, 1980		
23.	1	PROPOSED CASIN	G AND CE	MENTING	PROGRA	ME .		- 1
SIEB OF HOLE	BIZE OF CASING	WEIGHT PER FO	ЮТ	SETTING D	ВРТН	<u> </u>	QUANTITY OF CEME	LZ .

12 1/4 8 5/8 24.0 70 Circulate 2200 100 sacks

It is proposed to drill to TD of 2200'. Run ES-Ind and GR-Density logs; run 4 1/2" casing to TD. Perforate casing opposite Chacra sand and sand-water frac treat down casing; run 1" tubing to 2000 and complete as Chacra natural gas well.

Gas is not dedicated to pipeline.

none. If proposal is to drill or deepen directionally, give pertineventer program, if any	nent data on subsurface locations a	nd measured and true vertical depths. Give blowout
(This space for Federal or State office use)	4	
APPROVED AMENDED	TITLE	DATE
James & Sims oh Snah	State	JAN 184013 F
DISTRICT ENGINEER See In	structions On Reverse Side	

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2048 SANTA FE, NEW MEXICO 87501 Form C-107 Revised 10-1-78

		All distances must be f	rom the cuter hounds	rire of the Jeeting).	
Operator			Lease			Well No.
JACK A. COLE			ALAMOS CAN	YYON		1 1
Unit Letter	Section	Township	Range	County		
D	15	21N	614	San	doval	
Actual Footage Loc		+			40142	
1100	feet from the	North line and	1120	feet from the	West.	lin●
Ground Level Elev.	Producing For		Pool	teet near the		Dedicated Acreage:
6839	Chacra	a	Wildcat	Chacra		160 / Acres
	e acreage dedica	ted to the subject v				
	an one lease is	-	_			ereof (both as to working
	ommunitization, u	ifferent ownership is initization, force-pool nswer is "yes," type	ling. etc?		interests of a	all owners been consoli-
this form if No allowab	i necessary.) le will be assign	ed to the well until a	ll interests have	been consolida	ted (by comm	ed. (Use reverse side of unitization, unitization, upproved by the Commis-
			1	I		CERTIFICATION
	1		1	I	ŀ	
	.				I hereby cer	rtify that the information con-
	8				1	in Is true and complete to the
	ši i		i			knowledgerand betjef.
	`\		į,	J	7	
`1120°			ı	4		1118/10.
	~●		1	i	Nicine	The same
1 — — — —	+				Jack A.	Colo
	f		ı	1	Position	COTE
	4		i		_	
	i		i	:	Operato).
	;		i		Company	
	i		1		Date	
	· e,		1		1	~ 12 1070:
<u> </u>	1 30	oc.	i	·	Decembe	er 12, 1979
					1	ı
1	1	15	1	i		
1	1	1,5		j	1	ertify that the well location
	i .		ACUTA		1	is plat was plotted from field
	!		/RTI HU		1	tual surveys made by me or
Ī .	1	1 .	/	//\\	1	pervision, and that the same
]	Į.		FEB 72 100	-U	1	correct to the best of my
ł	ı		~ La 12 100	00	knowledge o	
	· - + ·	+	OIL CON CON	₩- /	Sec. 1	AKB SURV
	Ì		DIST. 3	1. /	A. Kirlin	AND SURVEYED
1 .	1		/ -101. 3		Dat Spir exec	- 1×1
!	j					7953) 1979
•	i			į		Tessionia Engineer
	i	İ	1	ļ	and a Lange S	urveyor
1	i		j	ĺ	1-7 MED	BRAU
1	, ;	1	į	}	Ou de	4
L		<u></u>			Fred B. Certificate No.	Kerr Jr.
					t -	•
o 230 660 ·1	0 1320 1650 198	0 2310 2640 200	0 1500 1000	3 00 0	3950	

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 #1, 1100/N and 1120/W Sec. 15-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.
- Existing road to be utilized to within 1 mile 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 NW%, 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.

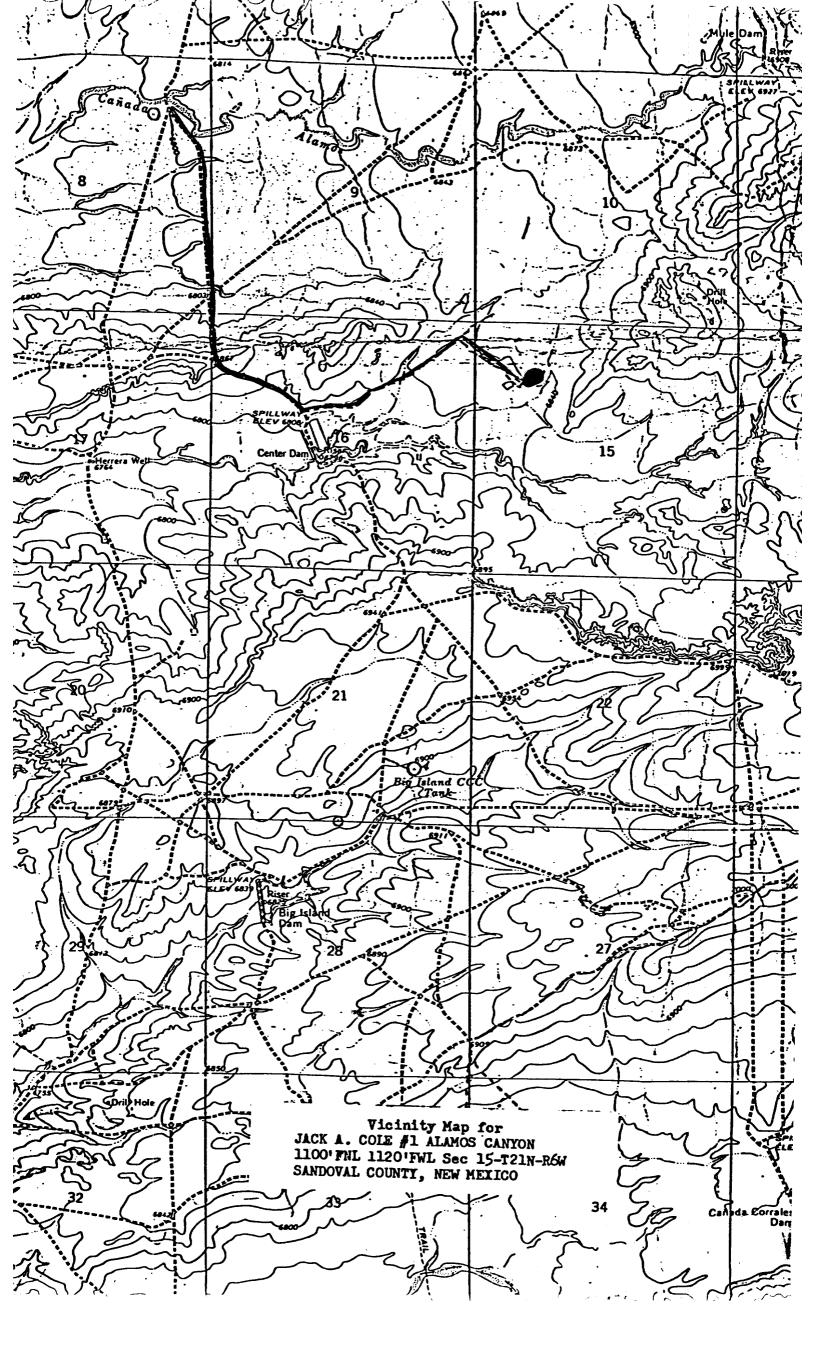
United States Department of Interior December 12, 1979
Page 2

- 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.

Very truly yours

Jack A. Cole

JAC:njs



JACK A. COLE PETROLEUM GEOLOGIST P.O. BOX 191 **FARMINGTON, NEW MEXICO 87401**

(505) 325 - 1415

JACK A. COLE ALAMOS CANYON #1 1100/N and 1120/W Sec. 15-T21N-R6W Sandoval County, New Mexico

Seven Point Well Control Program

- Surface Casing. 1. See Application for Permit to Drill.
- Spools and Flanges.
 - A. 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. 3. None
- Blowout Preventers. Production Hole - 10", 300 psi Fill, kill and choke manifold - 5000 psi W.P.
- Additional Equipment (If necessary)
 - A. Kelly Cock

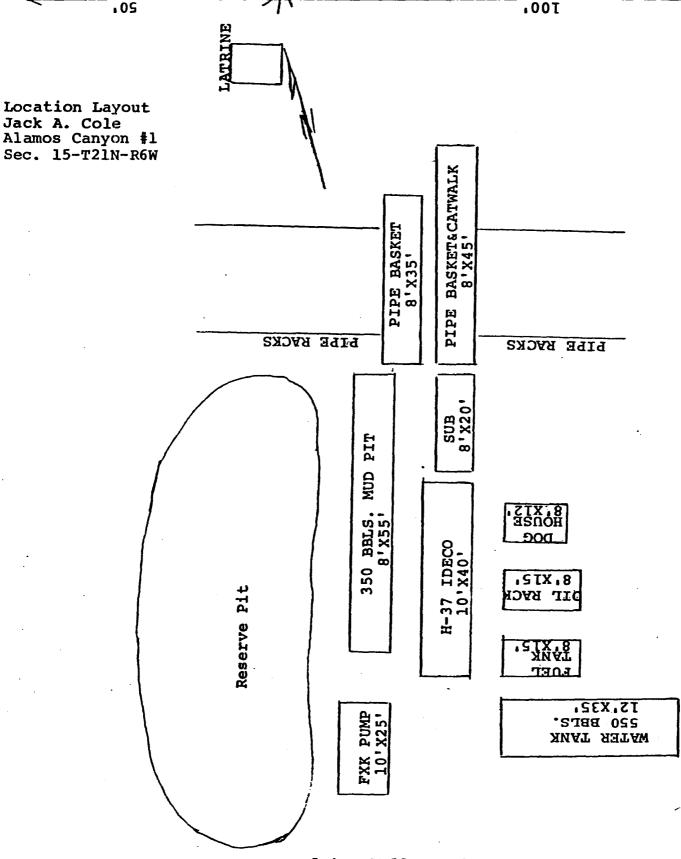
Pit Level Indicator D.

Bit Float в.

Sub with Valve for E.

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.



Aztec Well Service
Rig No. 1

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 #1

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