SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITE	ED S	STATE	ES
DEPARTMENT	OF	THE	INTERIOR

	DEPARTMENT	OF THE INT	TERIOR	side)	30-039-2/592 5. LEASE DESIGNATION AND SERIAL NO.
	GEOLO	GICAL SURVEY			
APPLICATION			EPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK		DEFORM -	DI LIC DA	cu 🗆	7. UNIT AGREEMENT NAME
b. TYPE OF WELL	LL 🕱	DEEPEN [PLUG BA	CK 🗀	
OIL GA	S OTHER		SINGLE MULTI ZONE ZONE	PLE	S. FARM OR LEASE NAME
2. NAME OF OPERATOR	<u> </u>				1
	CTION COMPANY				9. WELL NO.
3. ADDRESS OF OPERATOR					
501 AIRPORT 4. LOCATION OF WELL (Re	DRIVE, PARMIN	GTON, MH 374	NY State requirements !		10. FIELD AND POOL, OR WILDCAT
At surface	- J				Choza Resa-Pictured Cliff 11. SEC., T., B., M., OR BLK.
 -		, Section 1),	T-28-4, R-4-W		AND SURVEY OR AREA
At proposed prod. zone)				NW/4 NW/4 Sec. 15
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAD	EST TOWN OR POST O	FFICE*		12. COUNTY OR PARISH 13. STATE
7 miles SE	of Gobernador				Rio Arriba XM
15. DISTANCE FROM PROPO- LOCATION TO NEAREST	SED*	16	3. NO. OF ACRES IN LEASE	17. NO.	OF ACRES ASSIGNED
PROPERTY OR LEASE LI (Also to nearest drlg	NE, FT.	1050'	640	10 1	160
18. DISTANCE FROM PROPO TO NEAREST WELL, DR	SED LOCATION*	19	PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS
OR APPLIED FOR, ON THIS	B LEASE, FT.	2300'	44001		Rotary
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*
7273' est.	GL				As soon as well permitte
23.	F	ROPOSED CASING	AND CEMENTING PROGR	RAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	1	QUANTITY OF CEMENT
12-1/4	3-5/8"	24#	3001		250 ex
7-7/8"	4-1/2	10.5#	4400'		1240 ax
Field. The pletion des Additional Point Surfs	reprosed program: If it it or deepen direction	irilled with sed on open he quired by NTI attached.	a low solids non sele logs. This	disper acrease cation	
24.				_	
SIGNED	The state of the s	TITLE	Area Engineer		DATE
(This space for Feder	al or State office use)				1
PERMIT NO.			APPROVAL DATE		

Older

APPROVED BY _

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY DURANGO, COLO.

DEC 2 1 1977

a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either Instructions be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult

State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, slow-

ing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices. Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone. Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started. ★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section Lergion Well No. Amoco Production Company Valencia Canyon Unit 21, Unit Letter Section Township County 15 28N LW Rio Arriba Actual Footage Location of Well: 1050 feet from the North 1130 line and feet from the West line Producing Formation Dedicated Ac. age: 7273 Choza Mesa Pictured Cliffs Pictured Cliffs 160 Acres 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? 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. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 1130' J. L. KRUPKA Position AREA ENGINEER AMOCO PRODUCTION COMPANY DECEMBER 9, 1977 Sec 15 I hereby certify that the well location DEC 2 7 1977 shown on this plat was platted from field OIL CON. COM. notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed December 2. Registered Professional Engineer Fred B. Certificate No. 660 1320 1650 1980 2310 2000 1500 1000

SUPPLEMENTAL INFORMATION TO FORM 9-331C REQUIRED BY NTL-6

VALENCIA CANYON UNIT NO. 24

1050' FNL & 1130' FWL, SECTION 15, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

The geologic name of the surface formation is the Paleozoic San Juan.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	4103'	+3180'
Lewis Shale	4303'	+2980'
TD	44001	•

Estimated KB Elevation: 7283 '

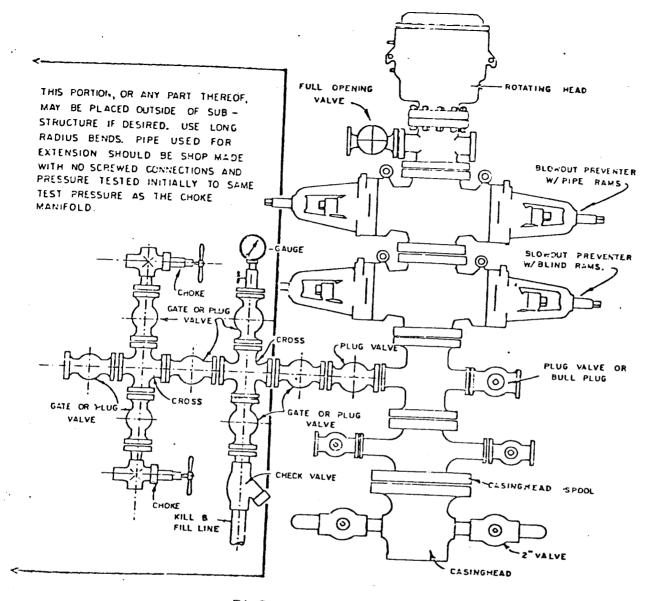
EST. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
300 '	8-5/8"	24#	12-1/4"	250 sx - Class "B", 2% CaCl ₂ . 1140 sx - Class "B", 6% Gel, 2# Med. Tuf Plug/sx. 100 sx - Class "B" Neat.
4400 '	4-1/2"	10.5#	7-7/8"	

Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco plans to run the following logs: from TD to 300', Induction-Electric; from TD to 2400', Density-Gamma Ray. No Cores or Drill Stem Tests will be taken.

In the past, drilling in this area has shown that no abnormal pressure, temperatures, nor hydrocarbon gas will be encountered.



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4

OCTOBER 16,1969

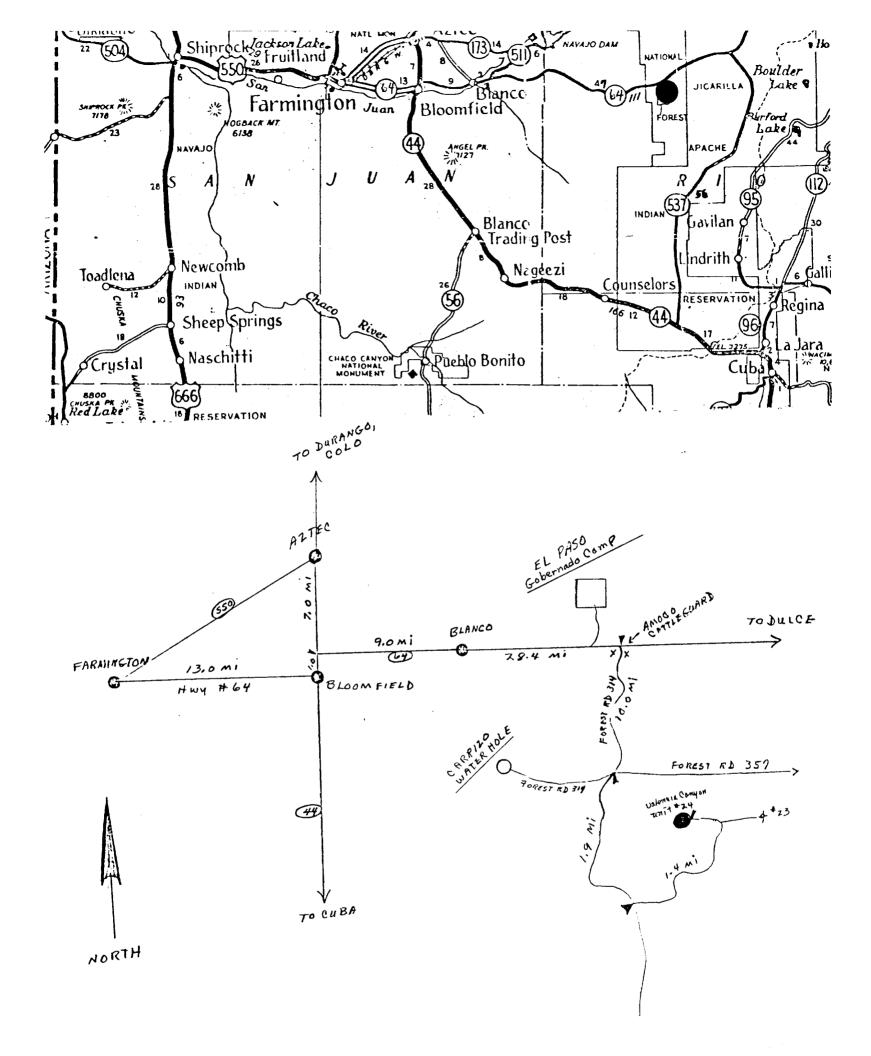
MULTI-POINT SURFACE USE PLAN

VALENCIA CANYON UNIT NO. 24 1050' FNL & 1130' FWL, SECTION 15, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

- The attached road map and sketch show the proposed route to the location and distances from towns.
- A new two-thirds mile access road will be constructed for this well as shown on the attached vicinity map. A portion of the new road will also serve Well No. 23. An existing logging road will be improved.
- 3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
- 4. There are no tank battery facilities located at wells within a one-mile radius of the proposed location
- 5. Water will be hauled from Carrizo Wash or from the El Paso water hole approximately 10 miles on existing roads.
- 6. No construction materials will be hauled in for this location.
- Excess mud will be hauled out of the reserve pit and bladed into existing roads. The Forest Ranger will be notified before mud is bladed into roads.
- 8. There are neither airstrips nor camps in the vicinity.
- 9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 6-foot cut will be made on the north side.
- 10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out as detailed in the attached Seeding Plan.
- 11. The general topography and soil characteristics are a sandy-clay with vegetation of rabbit bush, blue gramma grass, sage brush with no trees on the location. The site is on the edge of a flat meadowy area.

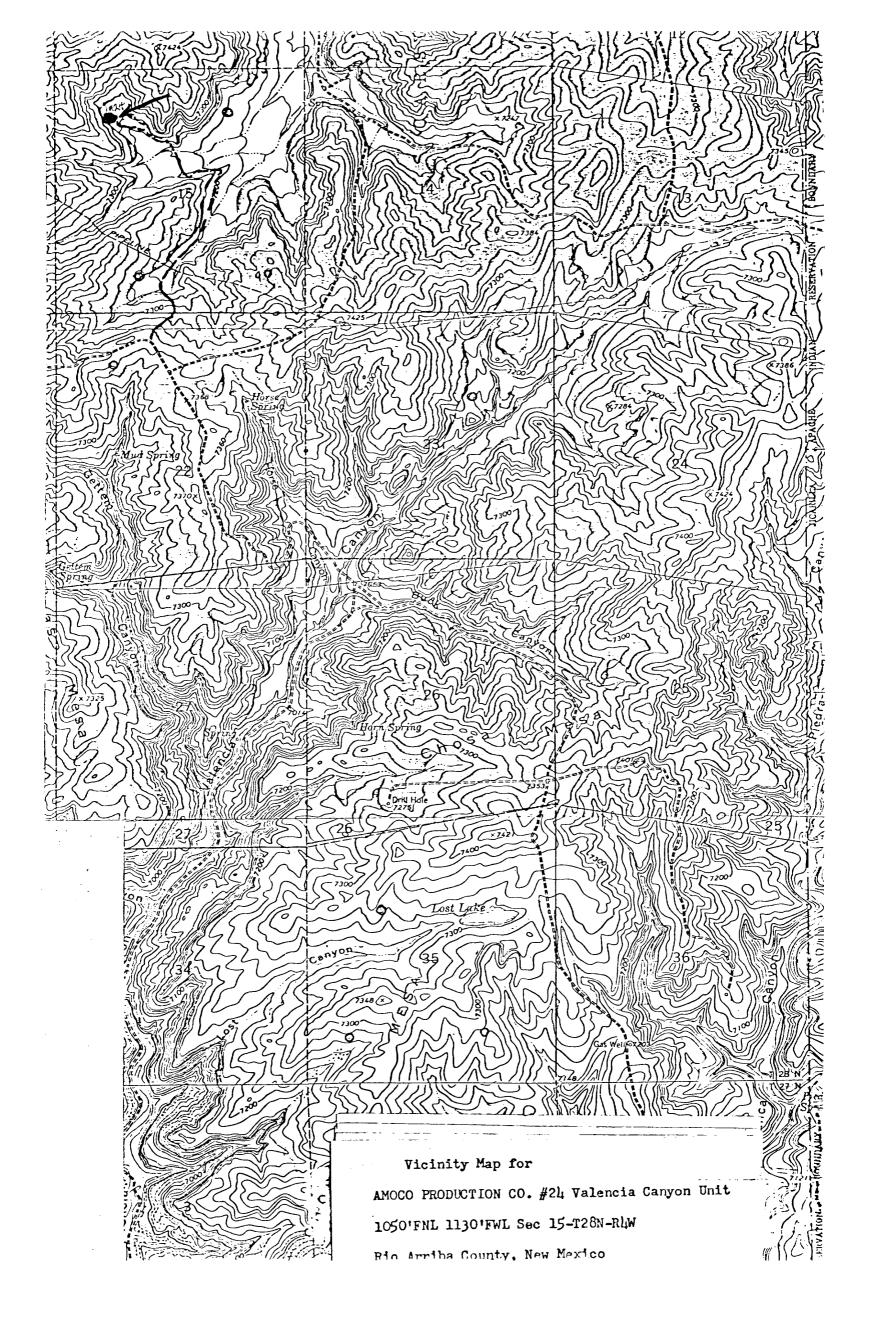
Representatives of the U. S. Geological Survey and U. S. Forest Service have inspected the site and found it suitable for drilling. No cultural resources were found when inspected by Ms. Suzanne DeHoff, Archaeologist.

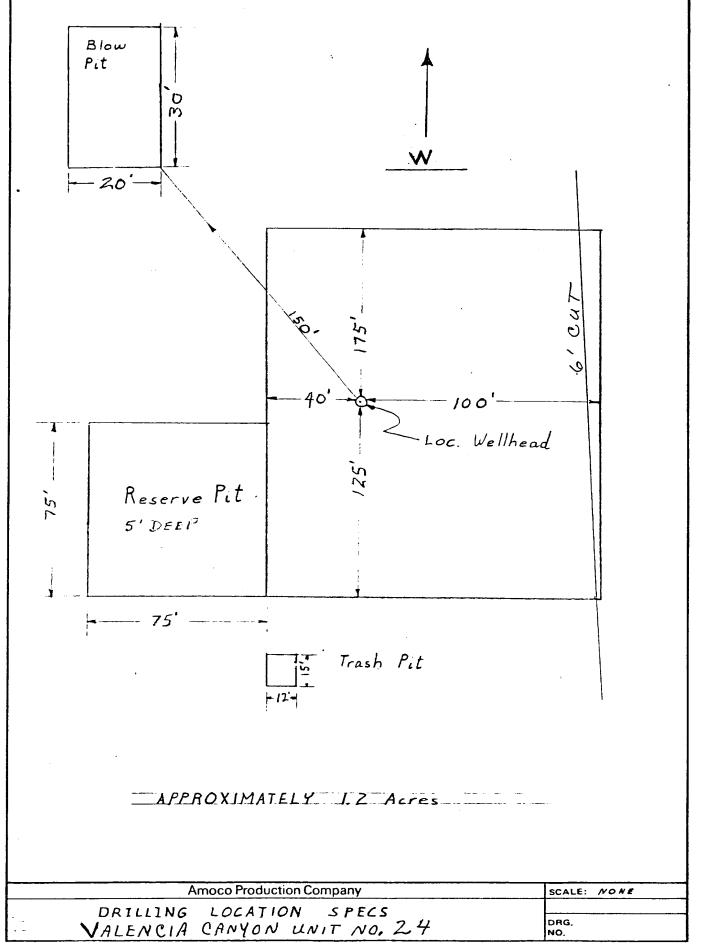
12. A Certification Statement by Amoco's representative is included.



FARMINGTON AREA TRAFFIC SKETCH DENVER DIVISION VALENCIA CANYON UNIT NO. 24 RIO ARRIBA COUNTY, NEW MEXICO AMOCO WI: 100%

Rail Point, Aztec - 57.7 miles
Mud Point, Aztec - 57.7 miles
C ment Point, Farmington - 64.7 miles





SEEDING PLAN

1. TIME:

All seeding will take place between July 1, and September 15, 1978, or as required by the U. S. Forest Service.

2. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, no up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

3. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

Crested Wheatgrass	0.71 lbs.
Russian Wild Rye	0.86 lbs.
Perennial Rye Grass	0.57 lbs.
_Western Wheatgrass	1.43 lbs.
Smooth Brome	1.14 lbs.
Intermediate Wheat	0.91 lbs.
Pubescent Wheatgrass	1.09 lbs.
Orchard Grass	.298 lbs.

VALENCIA CANYON UNIT NO. 24 1050' FNL x 1130' FEL, SECTION 15, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

CERTIFICATION

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 be best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION
COMPANY and its contractors and sub-contractors in con-
formity with this plan and the terms and conditions under which it
is approved.

December 19, 1977

Date

Area Supt.

Name and Title

Amoco Production Company's Representative:

L. O. Speer, Jr.

Phone: Office: 505-325-8841; Home: 505-325-3247

Address: 501 Airport Drive

Farmington, NM 87401