SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-E1425.

(Other instructions on reverse side)

UNITED STATES DEPARTMENT OF THE INTERIOR

(Hay rea)		ED STATES OF THE INTER	reverse sid	
		SICAL SURVEY		NM-18325
APPLICATION	FOR PERMIT T	O DRILL, DEEPE	N, OR PLUG B	ACK 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK DRIL	L X	7. UNIT AGREEMENT NAME		
	LL X OTBER	E. FARM OF LEASE NAME Schalk 29-4		
2. NAME OF OPERATOR John E. S	Schalk			9. WELL NO.
2 ANTINESS OF OFFEATOR		querque, New	Mexico 8712	5 10. FIELD SO DORTH WITHER SIL
4. LOCATION OF WELL (Rej				Gobernador Pic. Cliff
At surface 174(At proposed prod. zone		FWL, Section FWL, Range 4	n 26, Townsh West	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T-29N, R 4W
		,		12. COUNTY OR PARISH 13. STATE
14. DISTANCE IN MILES AT	nd direction from NEAR les East of	Blanco, New 1	- Mexico	Rio Arriba NM
15. DISTANCE FROM PROPOS LOCATION TO NEAREST	ED.	560' 16. NO). OF ACEES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
PROPERTY OR LEASE LI (Also to nearest drlg.	NE, FT. unit line, if any)		640	160
18. DISTANCE FROM PROPO TO NEAREST WELL, DR	SED LOCATION* ILLING, COMPLETED,	20. HOTARY OR CABLE TOOLS		
OR APPLIED FOR, ON THIS 21. ELEVATIONS (Show whet	LEASE, PT.		4350'	Rotary 22. Approx. Date Work Will START*
ZI. ELEVATIONS (SHOW WHEEL	21, , , ,	7060'GR		February 13, 1978
23.	P	ROPOSED CASING AND	CEMENTING PROGRA	. M.
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	23#	250'	200 sacks
7-7/8"	4-1/2''	10.5#	4350'	350 sacks
	ļ			
		FORMATION TO	OPS	
	Ki	rtland	3628'	A STATE OF THE STA
	Fr	uitland	3711'	
Pic. Cliffs TD			3900'	JAN & B 1888
			4350'	OIL CON CONTROL
<i>O</i> . \	A	~ 1		E BISH #
He is	No bear	.VcV		
IN ABOVE SPACE DESCRIBE	PROTOSED PROGRAM: II	proposal is to deepen or	plug back, give data on p	resent productive zone and proposed new productive nd measured and true vertical depths. Give blowout
preventer program, in any	. ^ -	my, give pertunent data		
24.	2 page	TITLE	Operator	1-13-78
	ral or State office use)			
			APPROVAL DATE	
PETME				
APPROVED BY		TITLE		DATE

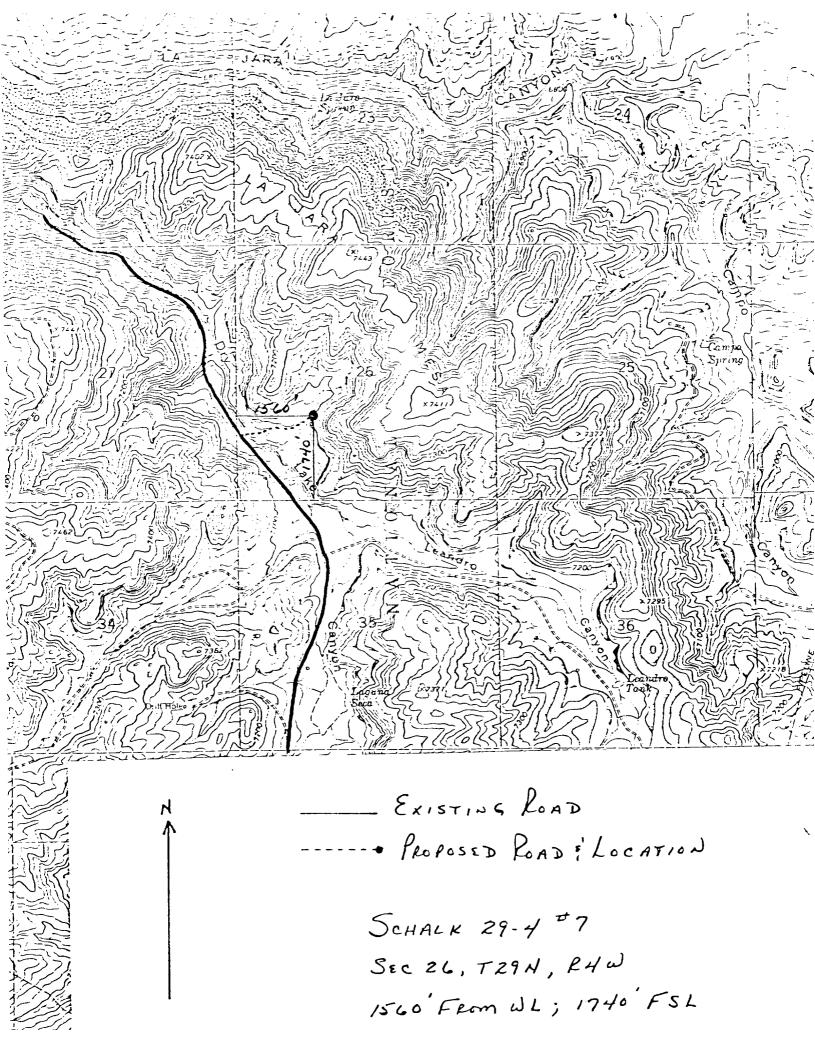
NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

		All distances a	ust be from the c	eter boundaries o	f the Secti	on		
Other: Turing			Lease				Mel. No	
	JOHN SCHALK		!	SCHALK	29-4			
Cai Cetter	JOHN SCHALK Section 26	Township 29 NORT	91.196 'H 4	WEST	Crumy RIO	ARRIBA		
farusi Foctoge	Encorpor of Well:	SOUTH B	~ onc 1560	٠ يـــــ ٠	from the	WEST	line	
9-30-3 (64- 5 70-50	e. Free_earing Pic.	c motion Cliffs	Foo: () G obe	hoya 7	Mesa c. Cl	iffs	Dedicated Averence:	Acres
). Outline	the appropriée l'est	es to the subject w	ell by colored pa	encil or hachur	e marks o	on the plat	below.	
priorest on	direya'ty),						ereof (both as to v	
B. If more by commun	than are lease of a hitization, unitizatio	rifférent ownership n, force-pooling, e	is dedicated to to?	otha well, how	e the int	erests of c	all owners been cons	Mosted
() Yes	() No If	coswer is "yes,"	type of consolid	stion				
If onswer i		ers and tract descr	iptions which t	ave actually a	tunsalidet 	ed. (Use	reverse side of this	form if
Sia allewat	otherwise) or until o	o the well until all cron standard uni	interests have b t, e iminating is	seen consolida uch interests,	ted (by has been	communiti approved t	ization, unitization, by the Commission.	forced-

CERTIFICATION

Certificate No. 1463

I hereby certify that the information contained is true and complete to the best of my 1 John E. Schalk Operator Company į John E. Schalk Date 1-13-78 25 I hereby certify that the well location shown on this plat was platted from field notes of actual surveys mode by me or under thy supervision, and that the same is true and currect to the best of my harvisings and belief. Date Surveyed Redistered Professional Engrices 1 end/or Lend Surveyor James P. Jenne SCALE-4 INCHES EQUALS 1 MILE



						OME No. 40-834	(· C
ned States Department of Agriculture		ב o. Re	cord no. (1-2)	ŧ.	Region (3-4)	c. Forest (5	-6)
rest Service		> o. Re		70			
SPECIAL USE		USE C	strict (7-8)	e.	User number (9-1)	2) f. Kind of u	se (13-15)
APPLICATION AND REF	PORT	d. Di	3.1116. (7.0)	1	(0.11)		
		η Σ					
Ref: FSM 2712		S g. 51	ote (16-17)	h.	County (18-20)	k. Cord No.	(21)
		ORE		ļ	_		
		요		!_			
ART 1 - APPLICATION (To be consplication is hereby made for a permi	mpleted by ap	of Forest la	nd as indica	ted bel			
Description of land: (Attach MAI) or Pl.	AT)						
a one acre plot Range 4 West and the SW/4 of Sect shown on the att	construction 26,	ct an a Iownshi	access 1	road	right-a-	way imou	ıgh
Purpose of use.						_	
Construction and	drilling	g the S	Schalk 2	29-4	Well No.	/ gas we	5TT
located 1740' From the state of	om the So	outh Li	ne, 150	00' 1	rom the	o Arriba	5
of Section 26, To	ownship .	29 Nori	in, Rang	ge 4	west, KI	O AIIIDA	
County, New Mexi	co.						
Land Area applied for (For Rights-of-R	ay show length a	ind width and	convert to ac	res; for	cti er uses show o	acres:	
0	Miles) or		W: LL	_1	<u>8</u> '	.65	
Length in:	1560'	X	Width	(Fee	-t) -	~ (Acres)	
	(Feet)						
Improvements a. Description							
		4 - 5 -		~ ~ ~	ac wall l	location	
Improvements wil an access road,	l consis	t or a	one ac	re g othe	r naranhe	enalia ne	ces-
an access road, sary for the dri	lling ma	intena	nce and	nro	duction of	of natura	
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b. Plans attached Yes No	. If "NO" show	v date plans	will be furnish				
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b. Plans attached Tyes No c. Estimated cost 5,000.00	. If "NO" show	v date plans tion will beg 1	will be furnish in within			will be completed	within 2
b. Plans attached Yes No c. Estimated cost 5,000.00	d. Construc	v date plans tion will beg 1	will be furnish in within		e. Construction	will be completed (!	within 2
b. Plans attached Yes No c. Estimated cost 5,000.00	d. Construc	v date plans tion will beg 1	will be furnish in within		Applicant's add	will be completed	within 2 Months)

John E. Schalk Operator

1-13-78

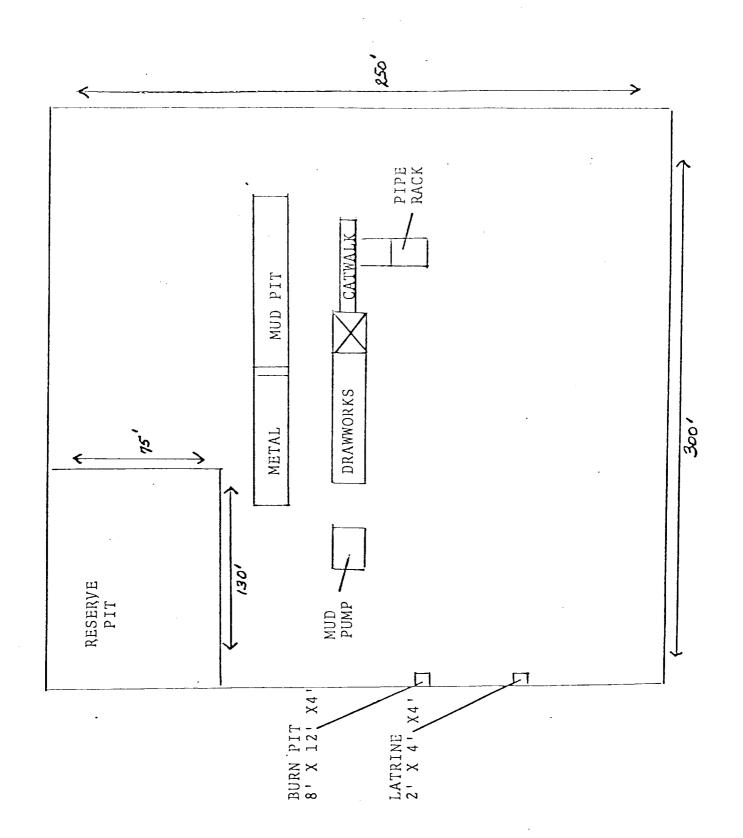
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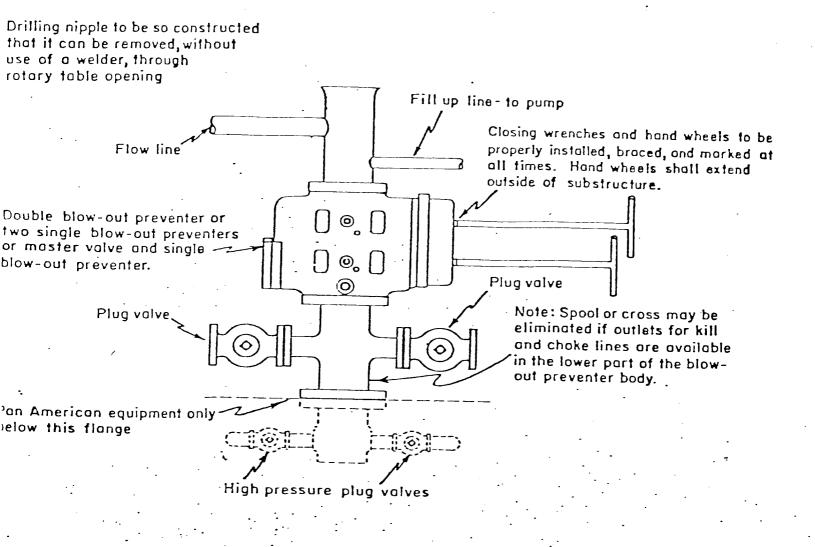
2700-3 (7/71)

87125 (ZIP Code)

Multi-Point Surface Use and Operations Plan

- 1. Existing roads: Attached map shows existing road entering Section 26 approximately 1300' from the Southwest corner running Northwest.
- 2. Planned Access road: Will depart from the main (existing) road in Section 35 and run Northeast to proposed sight.
- 3. Location of Existing wells: None.
- 4. Location of existing and/or proposed facilities: None.
- 5. Location and type of water supply: Water will be taken from a water hole 15 miles away and transported by truck to location.
- 6. Source of construction materials: None.
- 7. Methods for handling waste disposal: Cuttings to be disposed of in a reserve pit; a burn pit to be used for disposal of trash, garbage, etc.; and covered on clean-up of location.
- 8. Ancilary facilities: None.
- 9. Well site layout: Per attached drawing.
- 10. Restoration of surface: Upon completion of drilling operations, the disturbed surface area will be restored as near as practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for restoration of surface. Restoration will be to the satisfaction of the United States Geological Survey.
- 11. This location slopes at an increase of 10' per 400' to the East. There will be approximately a five foot cut on the West. side of the proposed location. Vegetation is sage brush, Pinon and Juniper trees. The surrounding area is comparable and any disturbances to the wildlife will be only temporary. With the restoration of surface, surface damage will be minimal.
- 12. Lessee's or Operator's Representative: John E. Schalk, P. O. Box 25825, Albuquerque, New Mexico, 87125; or J. D. Christesson, 2301 Southside River Road, Farmington, New Mexico 87401.





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

Date 1-13-78

ohn E. Schalk

Operator

Report 77-SJC-204 Permit - New Mexico Forest Service

An Archaeological Clearance Survey of Five Proposed Well Locations & One Access Road Conducted for Schalk Production Company

Submitted by
Dabney Ford
Cultural Resource
Management Program
San Juan College
N.M. State University
8 December 1977

An Archaeological Clearance Survey of Five Proposed Well Locations & One Access Road Conducted for Schalk Production Company

On December 2, 1977, Dabney Ford of the Cultural Resource
Management Program, NMSU, San Juan Campus, conducted an archaeological clearance survey at the request of Mr. J. E. Schalk, Schalk
Production Company. Mr. John Ahlm, Schalk representative, was
present during the survey. All of the well locations and the access
road are on Carson National Forest land and were surveyed under a
New Mexico Forest Service permit.

The most recent listings of the National Register of Historic Places have been consulted and no sites which appear on the Register and no sites which have been nominated to the Register occur on the project area. This proposal complies with the provisions of the Historic Preservation Act of 1966 and with Executive Order 11593. It is recommended that archaeological clearance be given.

METHODOLOGY

The well locations were surveyed by walking transects, 75 feet wide, over the entire easement. The access route was inspected by walking down the centerline the length of the road.

GENERAL RECOMMENDATIONS

No cultural resources warrenting relocation of well locations or road were found and full archaeological clearance is recommended.

SCHALK 29-4 #6

Carson National Forest

The proposed well location, 300 X 300 feet, is in the NE% of the SW% of the SW% of Section 25, Township 29 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico (Figure 1). The north boundry of the location borders on an existing access road thus no additional construction is necessary.

Pinon, juniper, Yucca baccata, mullen, sagebrush, indian ricegrass, blue grama, Gambel's oak, and snakeweed are growing in the sandy clay loam. The well, on the north edge of La Jara Mesa, is in broken terrain. Drainage is both northerly and southerly with alluvial and talus surface deposits. Local outcrops of sandstone are abundant.

No cultural resources were found and clearance is recommended.

SCHALK 29-4 #7

Carson National Forest

The proposed well location, 300 X 300 feet, is in the SW½ of the NE½ of the SW½ of Section 26, Township 29 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico (Figure 1). The access road, 20 feet wide and approximately 4,000 feet long, takes off from the Leandro -Dry Lake Canon road in Section 35. It traverses the North ½ of the North ½ of Section 35, enters the West ½ of the East ½ of the SW½ of Section 25, and approaches the location from the southwest.

Vegetation includes juniper, pinon, sagebrush, snakeweed, blue

grama, alkali sacaton, and Gambel's oak growing in a sandy loam.

The valley bottom is level with a northeasterly slope into La Jara

Canon. Alluvium is the dominant surface deposit and sandstone outcrops are abundant.

No cultural resources were found on the well location and archaeological clearance is recommended.

Three to five Rosa gray sherds and less than five lithics were found along the access road. Extensive examination of the surrounding area revealed a PII - PIII occupation site, SJC-153, on a bench directly above the area in question (see map 1 and accompanying site description and survey report). The sherds and lithics found in the road right-of-way have washed off the sandstone bench and are not in original context. There is no evidence (concentration of artifacts, soil stain, depressions, or hearth area) that the site extends down off the bench into the road easement. The site is not visible from the road and is in no danger of being disturbed during construction. Therefore, full archaeological clearance of the access road right-of-way is recommended.

SCHALK 29-4 #8

Carson National Forest

The proposed well location, 300 X 300 feet, is in the SE% of the NW% of the SW% of Section 27, Township 29 North, Range 9 West, N.M.P.M., in Rio Arriba County, New Mexico(Figure 1). The well is adjacent to an existing access road and no additional construction is necessary.

Pinon, juniper, blue grama, galleta, sagebrush, and buckbrush

are growing in the sandy clay loam. The terrace ridge top is level with a southerly drainage. Surface deposits are alluvium and sandstone outcrops locally.

No cultural resources were found and clearance is recommended.

SCHALK 29-4 #9

Carson National Forest

The proposed well location, 300 X 300 feet, is in the SE% of the NW% of the SW% of Section 22, Township 29 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico (Figure 1). The western boundry of the location borders on an existing location and will utilize the existing access.

Vegetation includes pinon, juniper, sagebrush, Gambel's oak, indian ricegrass, blue grama, Eriogonum, tumbleweed, and seeded grasses growing in the sandy clay loam. The terrace slope is broken with a west southwesterly drainage. Sandstone outcrops are abundant and alluvium is the dominant surface deposit.

No cultural resources were found and clearance is recommended.

SCHALK 29-4 #10

Carson National Forest

The proposed well location, 300 X 300 feet, is in the NW% of the SW% of the SW% of Section 23, Township 29 North, Range 4 West, N.M.P.M., in Rio Arriba County, New Mexico (Figure 1). The north edge of the location borders on an existing road thus no additional access is required.

Vegetation includes juniper, pinon, sagebrush, Yucca baccata, blue grama, indian ricegrass, seeded grasses, Eriogonum, rabbitbrush, and snakeweed growing in the sandy clay loam. La Jara mesa top is level with a southerly drainage. Alluvium is the dominant surface deposit and sandstone outcrops are abundant.

No cultural resources were found and archaeological clearance is recommended.

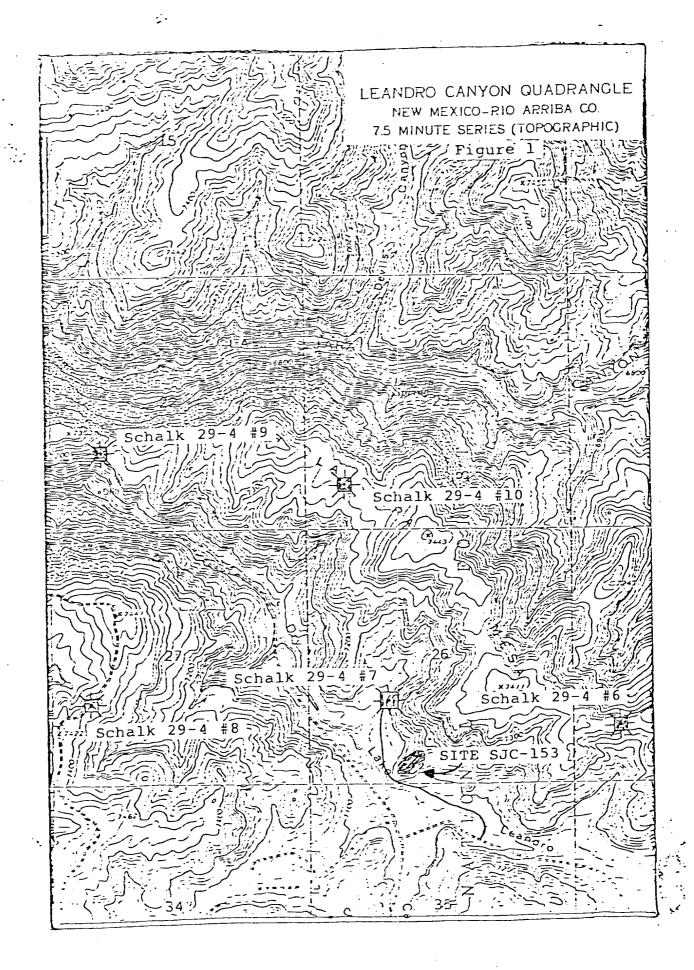
SITE SJC-153

The site consists of an extensive sherd and lithic scatter covering an area approximately 30m X 100m. It is located atop a low sandstone bench extending in a southerly direction into Leandro Canon. The sherds have a maximum density of 10 - 15 sherds per square meter over a 10 X 20 meter square area. The majority are Gallena gray wares with less than 5% corrugated gray wares. One sherd of red ware was found but is probably an oxidized Gallena and a carbon painted black on gray, probably Rosa or Gallena black on white. The lithics, 98% chert 2% obsidian were in the form of flakes, debitage, one core, and one projectile point. Maximum density of the flaked rock is 3 - 5 lithics per square meter over a 10 X 20 meter square area.

Although no readily definable structures can be seen on the surface, the possibility of pithouses is strong. There are two subtle depressions on the south side of the bench. The grass and sagebrush in these depressions are slightly more lush than the surrounding vegetation. There are no artifact concentrations or soil stains to provide a more comclusive statement.

It appears that the site continues along the entire southern edge of the bench which forms the southern limit of La Jara mesa. The canon bottom of the Leandro Dry Lake drainage is broad and flat, offering ample potential crop land, and the alluvial fans at the base of the bench would provide excellent farming soil.

The site has had considerable alluvial deposition thus the cultural fill should be protected and relatively deep. Potential is high for recovering pollen, flotation, and carbon samples in good context. There is an existing road on the flood plain below the site which will be utilized as a well access road (to Schalk 29-4 #7). The site is not visible from this road and the road will not endanger the site.



U San Juan Campus Archeological Survey Schalk Project SITE NO.: L.A.
a + same
Site name SJC-153 Field number same Size NM Sec. 26, T. 29 S., R. 4 W CountyRio Arriba State NM
State of the SW4, Sec. 26, 1. 29 S., R. 4 (w) County 10 112 22 22 7100
Map source USGS 7.5 min. Leandro Canyon, New Mexico Elevation 7100
Map source
Location on a low sandstone bench jutting out (in a southerly direction)
into Leandro Canyon
Nearest town Gobernador Nearest highway 17 Accessibility: foot X sedan X 4-wh. dr. backhoe
Ownership Carson National Forest
Informant
Stake location
SITUATION (check): Valley bottom Bench X Slope Ridge Mesa top Cliff edge Overhang Cave Dune 300m X 100m
St Curton rooms: Siah Masonry Adobe Unici
FEATURES (Indicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number): Pit houses X Kivas Surface 100ms, Sac Medicate number 100ms, Sac Medicate
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Part life — Olicitation — The start of the s
Single-tier Double-tiertiers Part double-tier
Condition: Undisturbed Pot-hunted Pottery/Artifact abundance. To s, 100 s
Surface: Level Uneven Slopes to [direction] S Surface deposits: Alluvium X Colluvium Aeolian Talus
Surface: Level Uneven Slopes to [direction] Surface deposits Surface
Local rock outcrops: Sandstone X Limestone Shale Caliche Basalt Tuff Other Other
Farm Arabic land (type, distance & direction): River Water (distance & direction): River Arroyo Arroyo Ton Confluence piron, juniper, blue grama,
Water [distance & direction]: River Arroyo
Sagebrush, alkali sacaton, shakeweett, gambels Photo: B/W Color Other resources within 1.5 miles of La Jara Canon with springs & seeps and less
Excellent location for habitiation site. Aliayam was
pithouse construction. Flood plain and especially alluvial fans optimal
for non-arable agriculture.
References Mera '35, Hall '44, Dick '76, Hawley Ellis '36 Report 77-SJC-204
BOD INFORMATION ONLY
5 person crew Time 10 daysEquipment
Largo Gallina / Anasazi Phase/Date PII - PIII / TISH = 12 M and
Zone
Lab. remarks
Field recorder
hield recorder

