# UNITED STATES DEPARTMENT OF THE INTERIOR

TT-IN TRIPLICATE.	Form approved. Budget Bureau No. 42-R1436.
her instructions on reverse wide	020- 24000

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APPLICATION	N FOR PERMIT 1			OR	PLUG				SMAX BEIST SO
a. TYPE OF WORK DRI	LL 🏻	DEEPEN [		1	LÜG &	AR	7. UNIT	GREEMENT N	ivis
b. TYPE OF WELL	AS XX OTHER		SINGLI ZONS	• 🗆 `	ZON	Tipus 🔲	8. PARM	OR LEASE NAM	18
WELL W	ELL AA OTHER							ALK 55	
LONE STAR I	NDUSTRIES, I	NC.					9. WELL	NO.	
. ADDRESS OF OPERATOR							2	AND POOL. O	
%JOHN E. SC	HALK, P. O.	BOX 2078,	FARM:	INGT	N NC	. MEX.	<u></u>		
At surface							1		SA VERDE
	THE NORTH LI	NE, 1180'	FROM	THE	EAST	LINE	AND	T., R., M., OR I	SA.
At proposed prod. 201	e						SEC.	3, T-3	ON, R-5W
4. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	r offica.				12. COUN	TY OR PARISH	1
50 MILES EA	ST OF BLOOMF	IELD, NEW	MEXIC	00			RIO A		NEW MEXI
15. DISTANCE FROM PROPO LOCATION TO NEAREST	OSED <sup>®</sup>		16. NO. OI	F ACRES		17. NO	O. OF ACRES A		
(Also to nearest drig	g. unit line, if any)	980'	19. PROPO	397.		- 20 7	TABY OR CABI	17.40	320
18. DISTANCE FROM PROP TO NEAREST WELL, D	RILLING, COMPLETED,	305'	19. PROPO	585	_	20. 8		TARY	
OR APPLIED FOR, ON TH			l						RE WILL STARTS
		861 GR							
23.		PROPOSED CASI	NG AND C	EMENT	ING PRO	GRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER P	00T	SETTI	G DEPTH		QUAN	TITY OF CEME!	NT
12-1/4"	8-5/8"	24#		25	0 1	2	0 SACKS		
7-7/8"	4-1/2"	10.5#		585			00 SACK		
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		<b>70016 70</b>	TECT	T	MECA	VEDDE	EODMAT	TON 1	WILL
WILL DRILL	WITH ROTARY JCTION LOG AN	TOOLS TO	IESI	I TIE NCIT	MESA V CAL	IPER (	CAMMA R	AY LOG	
TOTAL DEPTH		TIVE. WIL	L CEM	ENT	4-1/2	CAS	ING AND	PERFO	RATE
AS NEEDED.	1. 1, 1,0000	,			•				
710 112222		FSI	IMATE	D TO	PS				
		<u> </u>	<u> </u>	<u></u>	<del></del>				
	OJO AL	AMO		701	POIN	NT LOO	KOUT	5600'	
	KIRTLA	ND		801	MANO			5760'	
	FRUITL		_	75'	TOTA	AL DEP	TH	585 <b>0'</b>	
	PICTUR	RED CLIFFS	5 31	75 <b>'</b>					

ESTIMATED TOPS 2470' POINT L OJO ALAMO **MANCOS** 2680' KIRTLAND 3075 TOTAL D FRUITLAND 3175 PICTURED CLIFFS IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive

zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer 7-31-74 **AGENT** TITLE RIGN for Federal or State office use) his spa APPROVAL DATE PERMIT APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY :

## WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes Colld Streetive 1997

All distances must be from the outer boundaries on the Section 55 SCHALK STAR INDUSTRIES, INC. 5 WEST RIO ARRI 30 NORTH 1180 NORTH 6486 BLANCO MESA VERDE MESA VERDE 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? If answer is "ves." type of consolidation \_\_\_\_\_ If answer is "no?" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of 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 Commis-CERTIFICATION DHN E. SCHALK **AGENT** LONE STAR INDUSTRIES, IN 7-31-74 AUG U. S. GEDLOGICAL SURVEY DURANGO, COLO.

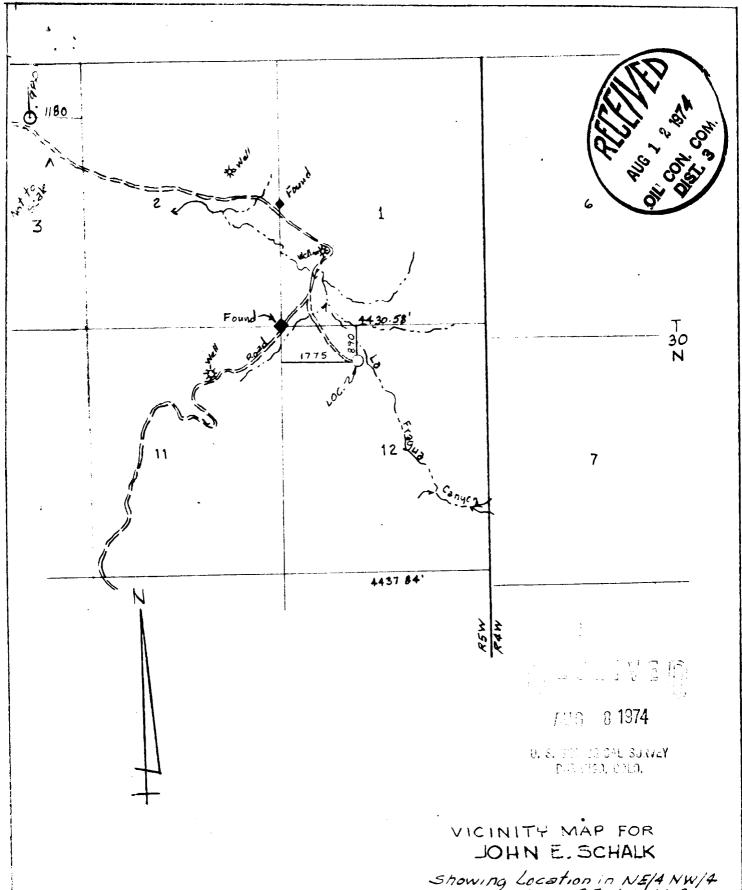
To an Approved

			<u> </u>	1945 No. 40-Risers
Inited States Department of Agricul	ture	> a. Record no. (1-2)	b. Region (3-4)	c. Forest (5-6)
orest Seriaco		70 <b>B</b>	,	
SPECIAL	USE	District (7.8)	e. User number 3	122 3 1. K. A. ( car 1 2-15)
- APPLICATION AN		2		3 8. 4. 1
Rev. F8# 2	71.	SERVICE	All the second s	J
		<u>⊢</u> [g. State (16-17)	h. County (14	3 5 5
		FORES	\	7 08
ART I - APPLICATION / 7.	a to ampleted to			
		onal Forest land as indicated t	relow:	
. Description of land, I think the	1 2 × 25 1 17			
A TWO ACRE	PLAT IN TO	WE ME/4, ME/4 SECT	TON E TO	MARKID TA
		W ACCESS ROAD OF		
RIGHT-OF-WAY TH	ROUGH THE N	E/4 SECTION 3, TO	MMSHIP 30	HORTH, RANGE
	E TERMS OF	LEASE 104-4455. (	ACCESS RO	AD IS ALREADY
TO LOCATION.)			*	
	•			
. Purpose of use.				
CONSTRUCTION AN	0.00111190	SCHALK 55 WELL NO	2 CAR 1	IC) (
CONSTRUCTION AN	D DRICEIM	JUNEA JJ WELL M	, 2 avs #	ELL.
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. Light Meas II. Co	. 08		14	
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a. Descripti			•	
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IMPROVEMEN	IS WILL CO	ISIST OF A TWO ACI	LE GAS WEL	L LOCATION, AN
ACCESS ROAD, A	MATURAL GAS	PIPELINE, STORAGECESSARY FOR THE D	DE TARK, C	MAINTENANCE.
AND PRODUCTION	OF NATURAL	CAS.		
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3,500.00		ONE MONTH		ONE MONTH
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Date of April of the Arth	മെപ്പെട്ടെയുന്നു. സൗർ വരുവേ <del>ർ</del>	ure	Asy Proceedings	T *
7-23-74	ME STAR THE	oustries, inc.	<b>P</b> ^	BOX 2878
()	アバイシア	al a la		IGTON, NEW MEXICO
	MULK C			87401
/ Jo	NO E. SCHAL	LK, AGENT		

OVER:

N E. SCHALK, AGENT

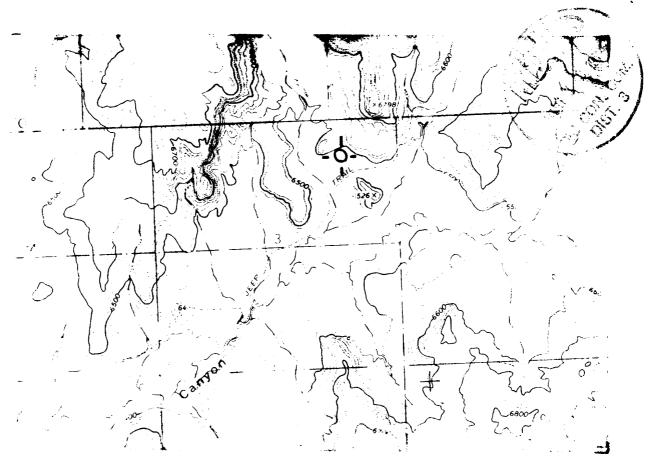
Fig. 3 " 7"



Showing Location in NE/4 NW/4 Sec. 12, T30N, R5W, N.M.PM, RIO Arriba County, New Mexico

Scale. 1"=2000 Data: 22March, 1913

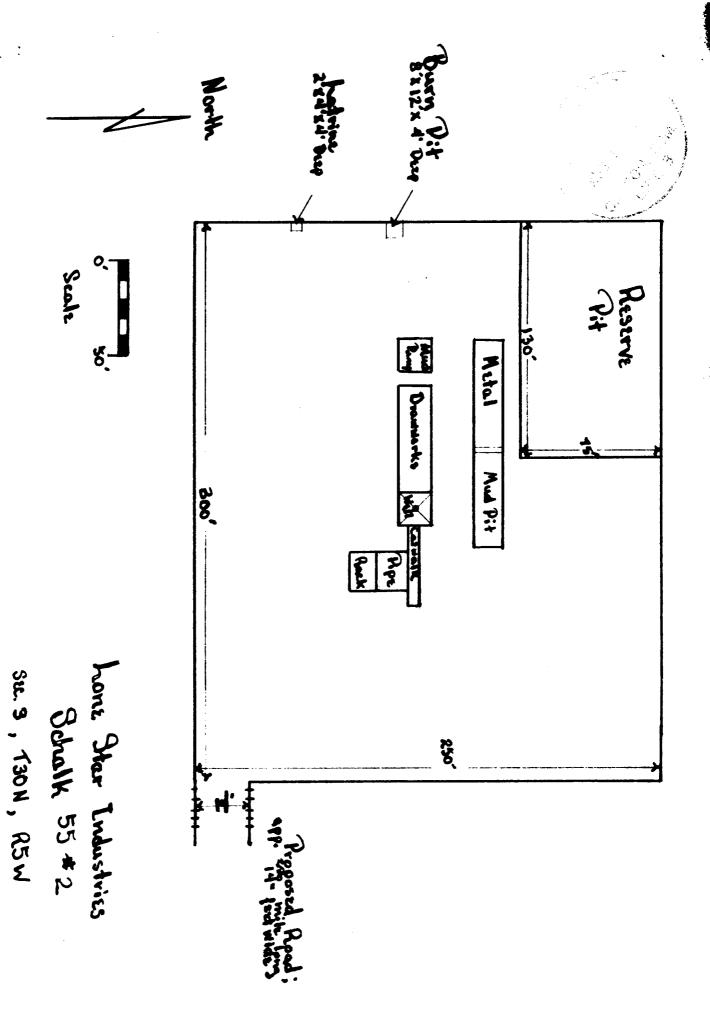
350 - Juan Engineering Company - Farmington, New Mexico



Proposed Road; app. 210 mile long, 14 feet wide

Scale;

hone Star Industries
Schalk 55-#2
See 3, T30N, R5W



Inited States I	epartment of Agriculture	a. Record no. (1-2)	b. Region (3-4)	c. Forest (5-0)	
	rest Service	70	1	e. refest (3.0)	ďα
`	AMENDMENT	1 22	<u>03</u>		0,5
	FOR	d. District (7-8)	e. Use number (9-12)	f. Kind of use (13	3-15)
	SPECIAL USE PERMIT Ref: FSM 2714	03.	2724		750
THIS AMENDM	ENT IS ATTACHED TO AND MADE A PART	g. State (16-17)	h. County (18-20)	k. Card no. (21)	
TERM	ANNUAL PERMIT	35	039		_ : : <del>=</del>
			<u> </u>	· .	·
c.		** **		_issued to	•
For	Lone Star Schalk 55-#2 Ga			_135464 to	
Lone	Star Industries P.O. Box 20	78. Farmington N.	M. 87401, on Ma	rch 7, 1973	
	(NAME OF	PERMITTEE)		(DATE OF PERMIT	')
which is he	reby amended as follows:				
vincii 15 nc	reby whended as follows.				
	_		Q Q.111. EE	110	
<b>1.</b> (	Constructing, drilling, and pr	oducing the Lone	Star Schalk 55-	·#	
	gas well located 980' FNL and	1180' FEL under t	erms of lease		
7	IM-4455.				
_	The 55-#2 gas well will require	a the recheming (	n the existing	55 <b>-</b> #1	
'. V	rell pad. No new ground distur	bance will result	from this work	.•	
	all stipulations that are cove	mad in the Scholk	· 55_#l nermit W	ill	
<i>I</i> 8	apply to the Schalk 55-#2 gas	well.	. )) "I permie "		
ŝ	Since no new ground disturbanc	e will be require	ed, no archaeolo	gical	
(	clearance will be required.				
	e				
		,			
	•	,			
This Among	dment is accepted subject to the cond	litions set forth herei	n, and to condition	s <u> </u>	:0
38	attached hereto and ma	de a part of this Ame	ndment.		
		-AA	1100	1 - 1 - 1	
	NAME OF PERMITTEE	SIGNATURE OF	UT OPERED OFF CER	DATE	
PERMITT	EE Lone Star Industries /	Jawa L	· · · · · · · · · · · · · · · · · · ·	9/2/	14

16. As a further guarantee of the faithful performance of the provisions of the permittee's special use permits for oil and gas exploration on the Carson National Forest, the permittee has delivered and agrees to maintain a surety bond in the amount of ten thousand dollars (\$10,000.00). Should the sureties or bonds delivered under this permit become unsatisfactory to the Forest Service, the permittee shall, within thirty (30) days of demand, furnish a new bond with surety, solvent and satisfactory to the Forest Service.

The permittee agrees that all moneys deposited under these permits may, upon failure on his part to fulfill all and singular the requirements herein set forth or made a part hereof, be retained by the United States to be applied as far as may be to the satisfaction of his obligations assumed hereunder, without prejudice whatever to any other rights and remedies of the United States.

- 19. Chemical materials may not be used to control undesirable woody and herbaceous vegetation, insects, rodents, etc., without the prior written approval of the Forest Service. A report of planned use of pesticial will be submitted annually by the permittee on the due date established by the District Ranger. The report will cover a 12 month period of planned use beginning 3 months after the reporting date. Information essential for review will be provided in the form specified. Exceptions to this schedule may be allowed only when unexpected outbreaks of pests require control measures which were not anticipated at the time the annual report was submitted.
- 20. This permit shall have no force or effect until the permittee has signified his acceptance of its provisions and conditions by signing the original and all carbon copies and returning the copies to the District Ranger.
- 21. A muffler or spark arrestor satisfactory to the Forest Service shall be maintained on the exhausts of all trucks and tractors or other internal combustion engines used in connection with this permit.

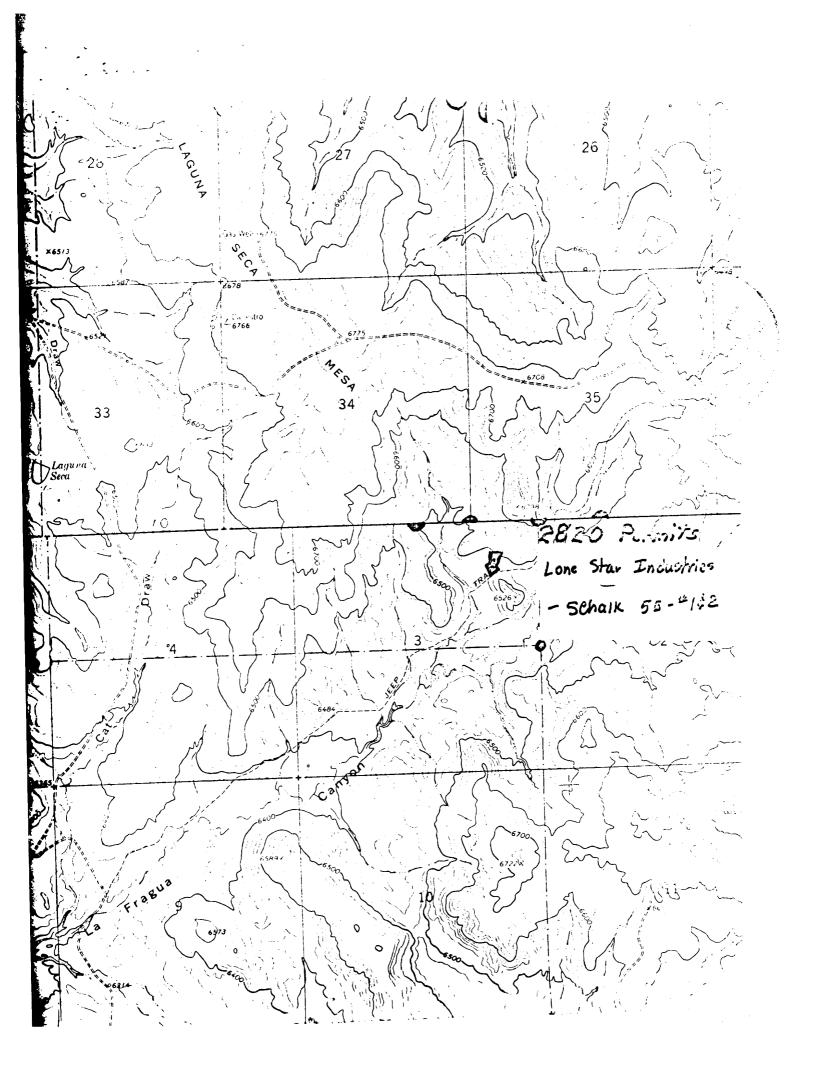
The permittee will make arrangements to have all equipment inspected for compliance with fire requirements prior to entry onto the National Forest. In addition to an adequate muffler or spark arrestor all vehicles or equipment will have a shovel. All heavy equipment and vehicles except sedans and pickups will also be equipped with a fire extinguisher.

Each drilling rig will be equipped with adequate fire extinguishers and a tool cache containing a minimum of 3 shovels and 2 axes.

22. The permittee shall save the United States harmless from and incomnified against claims for injury to persons or damages to property, due to development, operation or use under this permit.

- The permittee shall take all practicable precautions to minimize damage to the soil, and to prevent the creation of conditions conducive to continuing or accelerated soil erosion. The precautions may include but shall not necessarily be limited to, bank sloping, benching, wittling, sod planting, seeding, fertilizing, and mulching as determined by the District Ranger to be practicable and necessary. All earth cuts or fill slopes on any disturbed areas which are favore able to revegetation or other areas on which the soil and/or ground cover is destroyed in the course of construction, will be revegetated with suitable vegetation or other otherwise treated by the permittee as required by the District Ranger. Such seeding or planting shall be done at a time of the year, in a manner, and with the kinds and amounts of species which in the opinion of the District Ranger offers the best chance of success.
- 25. A chemical toilet or similar adequate sanitary facilities will be provided on the location while men are regularly employed there. Untreated sewage will not be permitted to enter any stream course.
- 26. If, during construction, items of a substantial archaeological or paleontological value are discovered, or a known deposit of such items is disturbed, the permittee will cease work in the area so affected. He will then notify the District Ranger and will not resume work until written approval is given.
- 27. This permit authorizes only such use and occupancy of National Forest land as is essential for purposes directly connected with the construction, maintenance, and use of the road and well site. It does not authorize uses such as borrow pits, stockpiles, quarries or any other similar use except with the written approval of the District Ranger.
- 28. All or portions of the work herein described for revegetation. brush disposal fence construction and/or reseeding for which the permittee is responsible, may upon written request of the permittee and approval by the Forest Supervisor be performed by the Forest Service on an operative or assistance basis under Section 5, Act of April 24, 1999, 64 Stat. 83, U.S.C. 572. When the work is to be so performed, the permittee shall make advance deposits as requested by the Forest Service. The total deposits will be sufficient to cover the cost of the work including necessary overhead charges. Deposits for the control of including necessary overhead charges. Deposits for the control of erosion may be used to maintain installations made for erosion control for a period not to exceed three years or until site stabilization to accomplished, whichever is less. Advence estimates of the cost of this work may be obtained from the District Ranger.

- 29. The road will be constructed in accordance with the specifications set forth in Exhibit I. Cuts in earth will not be steeper than 2:1, cuts in rock will not be steeper than 1/4:1. Fill material will not be steeper than 2:1. All roads will be ditched and crowned with adequate wing ditches and culverts for proper ditch relief.
- 30. This road will be maintained a minimum of twice each year. To insure proper care of the improvements, the District Ranger may require more frequent maintenance.
- 31. To protect vegetation and prevent scorching of top soil, drilling gas will be burned in a pit and against a dirt bank.
- 32. Gates, cattleguards, culverts and other structures installed as part of this road shall become the property of the United States and may not be removed without the consent of the District Ranger. The Forest Service, or its cooperator, (with Forest Service consent) may improve this road in any manner so long as it does not materially interfere with its use by the permittee. Specifications for consumution of these improvements are given in Exhibit 2.
- 33. Mone of the conditions of the permit as set forth herein can be varied or modified, except with the written consent of the District Ranger.
- 34. If the use granted under this permit is not exercised within one calendar year from date of issue the permit will be terminated.
- 35. The prescribed seed mixture for revegetation of disturbed areas is shown in Exhibit #3.
- 36. All construction slash will be buried, chipped or removed.
- 37. When roads become dry and dusty they will be watered to reduce rutting, improve visibility and reduce air pollution.
- 38. Free roaming horses are protected by law and are known to frequent this area. Persons found harassing or capturing these animals will be subject to fine.



#### EXHIBIT #3

### Seed Mixture

Crested Wheat 4 lbs. per acre

Pubescent Wheat 6 lbs. per acre

Sand drop 1 lb. per acre

Ranger Alfalfa 1 lb. per acre

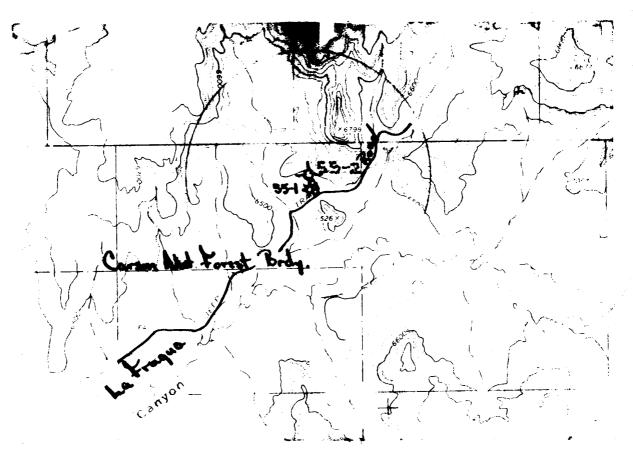
Exhibits #1 and#2 not required

### 12 Point - Development Plan for Surface Use

Lone Star Industries, Inc. Schalk 55-2

- 1. Existing roads: Attached map shows existing road running from the Southwest corner of Section to the Northwest.
- Proposed Access road: Will depart from main (existing) road and run 75 yards along East edge of the Schalk 55-1 location.
- 3. Existing Wells: Lone Star Industries, Schalk 55-1; 150' South of Proposed location.
- 4. Lateral Roads: none.
- 5. Location of Tank Batteries: see attached.
- 6. Location and Type of Water Supply: Water will be taken from La Jara Wash and transported by truck to location.
- 7. Methods for Handling Waste Disposal: Cuttings to be disposed of in reserve pit, a burn pit to be used for disposal of trash, garbage, etc., and covered on cleanup of location.
- 8. Location of Camps: None.
- 9. Location of Airstrips: None.
- 10. Rig Layout: Per attached drawing.
- 11. Restoration of Surface: Upon completion of drilling operations, the distrubed surface area will be restored as near as practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for resotration of surface. Restoration will be to the satisfaction of the United States Geological Survey.
- This location slopes at an increase of 20' per 700' to the North. There will be approximately a four foot cut on the North side of proposed location. Vegetation is sage brush and no 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.

AUG 20 1974



Proposed road; 15 gards long 1 + 11 webe just along east side of School 59-1 location Proposed hoodson; 150 feet month of Schall 55-1

---- Proposed Road & Location -----

N

North

Lone Star Industries

Schalk 55-2 section 3, somety 30 meth, range 5 west