SUBMIT IN TRIPLICATE.

Form approved.

1229 1200)		D STATES		(Other instru reverse a	ctions on ide)	Budget Burea 30 - 039 - 3	u No. 42-R1425.
	DEPARTMENT (					5. LEASE DESIGNATION	AND SERIAL NO.
4 DDL ICA TION		CAL SURVE				NM - 4452	
APPLICATION  1a. TYPE OF WORK	FOR PERMIT TO	DRILL, D	EEPEN, OF	PLUG E	<u>BACK</u>	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
DRIL	L XX	DEEPEN [	1	PLUG BA	CK 🗌	7. UNIT AGREEMENT N	AME
OIL GAS	L XX OTHER		SINGLE ZONE	MULTIP	LE	8. FARM OR LEASE NA	
2. NAME OF OPERATOR	AA	<del></del>	ZUNE	ZONE		SCHALK-52	
LONE STAR IN 3. ADDRESS OF OPERATOR	DUSTRIES, INC	•				9. WELL NO.	
C/O JOHN E.  4. LOCATION OF WELL (Report At surface)	SCHALK, P. O.	BOX 207	8, FARMI	NGTON, Nements.*) 87	1. MEX	10. FIELD AND POOLED PICTURED	
	HE NORTH LINE					11. SEC., T., R., M., OR I AND SURVEY OR AR	I.K.
14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST	TOWN OR POST	PPICES			SEC. 24, T	-29N, R-5
	T OF BLOOMFIE					12. COUNTY OR PARISH	i
15. DISTANCE FROM PROPOSE LOCATION TO NEAREST	D*		6. NO. OF ACRES	IN LEASE	17. No. o	RIO ARRIBA	NEW MEXI
PROPERTY OR LEASE LINE (Also to nearest drlg. u	init line, if any) 85	81	548	.52	то тн	160 -	
18. DISTANCE FROM PROPOSI TO NEAREST WELL, DRIL	LING, COMPLETED,	į.	9. PROPOSED DEP	тн	20 ROTAR	IY OR CABLE TOOLS	
OR APPLIED FOR, ON THIS I	· · · ·	2 MILE	370	0'		ROTARY	
The second of th		6492' GR				22. APPROX. DATE WOL	
23.		POSED CASING	AND CEMENT	INO DECOME		DECEMBER 1	0, 1973
SIZE OF HOLE	SIZE OF CASING				м .		
12-1/4"	8-5/8"	WEIGHT PER FOOT		G DEPTH		QUANTITY OF CEMEN	T
7-7/8"	4-1/2"	24# 10.5#	25 370			250 SACKS 300 SACKS	
CALIPE	RILL WITH ROT, ION, WILL RU R GAMMA LOG A CASING AND PI	N AN IND T TOTAL I	JCTION L DEPTH.	OG AND IF PROD	FORMAT	TION DENSITY	NT
		EST IMA	TED TOPS				
	OJO ALAMO KIRTLAND FRUITLAND PICTURED CI TOTAL DEPTH			258 282 316 343 370	2 ' 9 ' 7 '		) 3
N AROVE SPACE DESCRIBE PRO one. If proposal is to drill	DPOSED PROGRAM: If propo	sal is to deepen	OPP 4 10 N. OON, C or physipher, give		sent produc	tive some and proposed	new productive
one. If proposal is to drill reventer program, if any.	or deepen directionally, g	ive pertinent då	ta off sirbsurface	locations and	measured a	and true vertical depths.	Give blowout
SIGNED TO	so so	TITLE	AGENT			NOVEM	BER 30, 1
(This space for Federal o	or State office use)					THE E STATE OF THE	<u> </u>
PERMIT NO			APPROVAL DA	тк			
APPROVED BY	y any.	TITI.E			***************************************	DATE	
OK.	al (	D	r				

\*See Instructions On Reverse Side

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

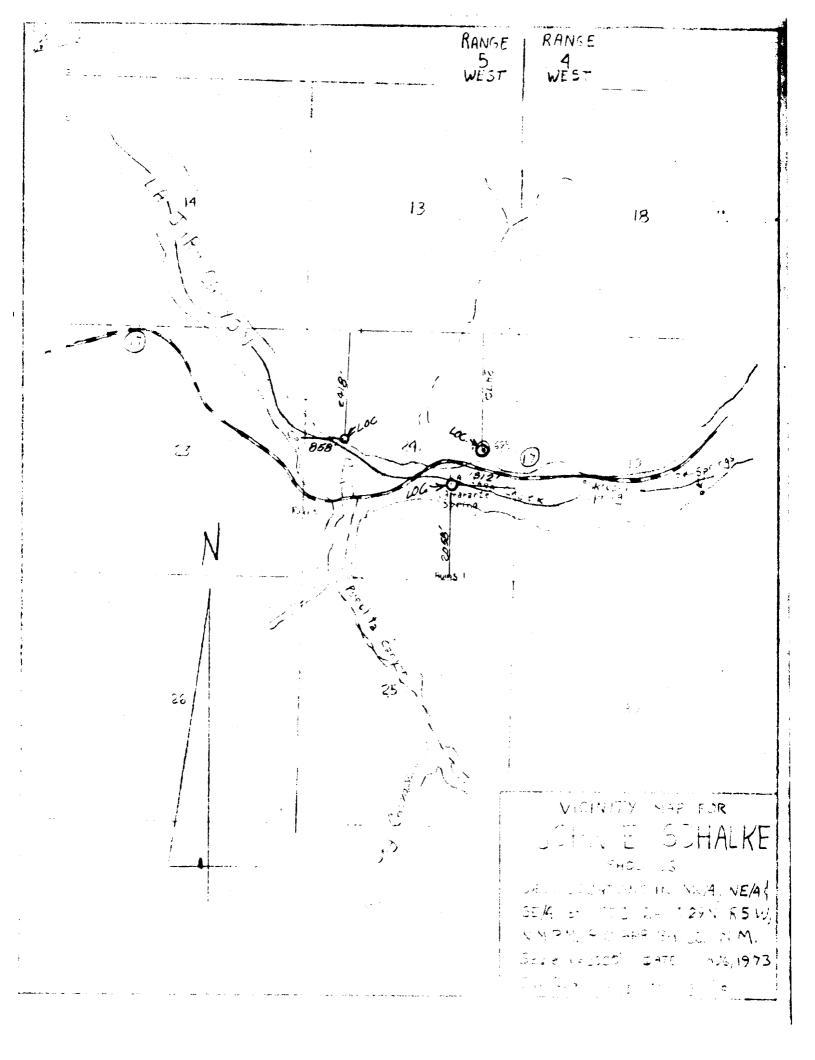
All distances must be from the outer boundaries of the Section

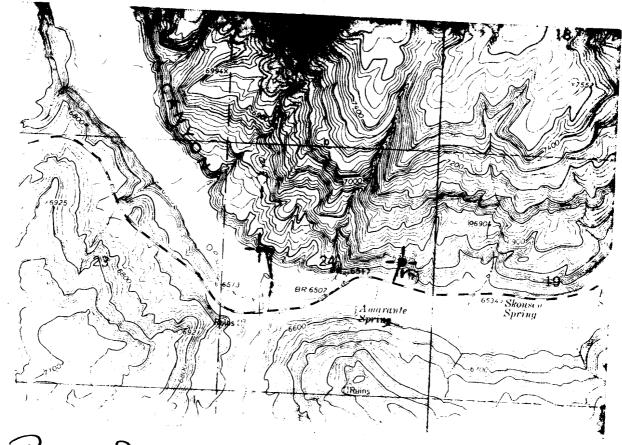
Operator LONE	STAR IND	USTRIES,	INC.	Lease SCHA	LK-52	<del></del>	Well No.
	<b>EXXXXXXXXX</b>	<b>3</b> E	<u> </u>		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	<b>FALKALK</b>	3
Unit Letter	Section	Township		Range	County	· · · · · · · · · · · · · · · · · · ·	<del></del>
E	24	29 NO	RTH	5 WEST	RIO A	<b>IRRIBA</b>	
Actual Footage Loca	ation of Well:						
2418	feet from the	NORTH	line and	858	feet from the	WEST	line
Ground Level Elev.	Producing	Formation	F	0001	<i>,</i>	Dedica	ted Avereage:
6492	PICT	URED CLIF	FFS	Under	gnated	ı	160 Acres
1. Outline the	aceraae dedica	ted to the subj	ect well by col	pred pencil or h	achure marks on	the plat below	
	<b>3</b>	· · · · · · · · · · · · · · · · · · ·	,	porten or m	acriare marks on	the pigt below.	
2. If more tha	n one lease is	dedicated to	the well, outlin	ne each <mark>and</mark> id	entify the owne	rship thereof (b	oth as to working
interest and roy	alty),					) 	·
3. If more than	n one lease of	different owne	ership is dedica	ated to the well	have the inter	ests of all was	See Long Sidated
3. If more than one lease of different ownership is dedicated to the well, have the interests of all ownership is dedicated by communitization, unitization, force-pooling. etc?							
( ) Yes ( ) No If answer is "yes," type of consolidation							
( / 165 (	/ 110	i dinswei is y	es, type of co	onsulidation		DEC	4 10>-
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use Ottrse side of this form if							
- 90N 60.							
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.							
pooling, or othe	rwise) or until	<b>a no</b> n standard	d unit, elimina	ting such intere	sts, has been ap	proved by the Co	ommission.

CERTIFICATION

Certificate No.

I hereby certify that the information contained herein is true and complete to the best of my 4523.64 JOHN E. SCHALK Position **AGENT** Company NOVEMBER 30, 1973 858' 24 I hereby certify that the well location shown on this plat was plotted from field notes of actual N surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. 9 October 19 Date Surveyed Registered Professional Findheer and/or Land Survivor James (P.



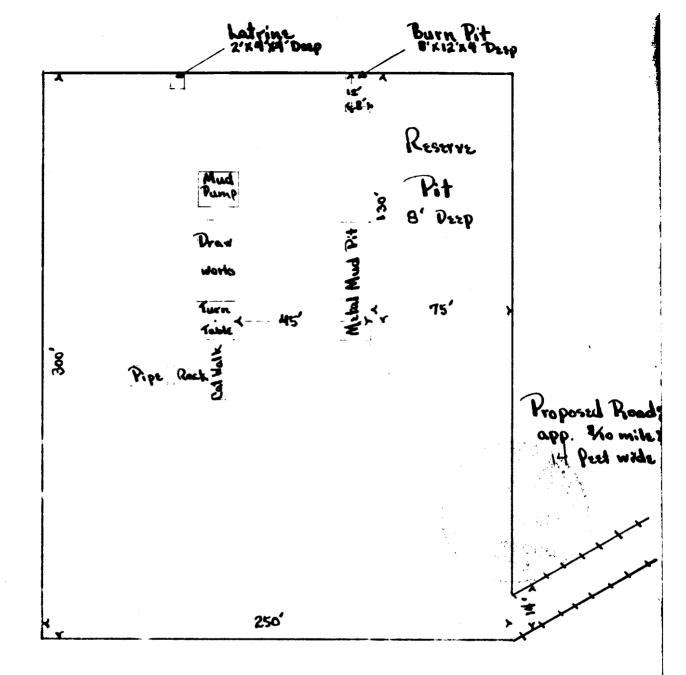


Proposed Road; app. To mile long, 14 feet wide

John E. Schalk Lone Star Industries 52-3 SEC. 24, T29N, R5W

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Mile





John E. Schalk Lone Stor Industries 52-3 Sec 24, T29N, R5W



#### United States Department of Agriculture Ferent Service

## SPECIAL USE PERMIT

Act of June 4, 1897
This permit is revocable and nontransferable
(Ref. FSM 2710)

e. Hozord no. (1-2)	b. Region (3-4)	c. Ferest (5-6)	
70	0 <u>3</u>	02	
d. Dissilet (74)	e. Use number (9-12)	f. Kind of use (13-15)	
03	2724	420	
g. State (16-17)	h. County (18-20)	k. Cerd no. (21)	
35	039	1	

Permission	is hereby granted toJohn	a E. Schalk, Ione Star Indu	stries
of			STEPPERIO
hereinafter call or improvement	ed the permittee, to use subject to th	e conditions set out below, the follo	wing described lands
A one acre through SW on the att	1/4 NW $1/4$ and the NW $1/4$	+ section 24 and a temporary SW 1/4 section 24 T29N R5W	y access road NMPM as shown
This permit	coverslacres and/o	orNomiles and is issued	for the purpose of:
1. Constru located 241	ucting, drilling and produc 18 FNL and 858 FWL under te	ing the Lone Star Schalk 52 rms of Lease NM 4452.	2-3 gas well
2. Constru	ucting, using and closing,	rms of Lease NM 4452.	to.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
1. Construct construction, if use shall be act in writing.	ion or occupancy and use under this any, shall be completed within	s permit shall begin within 1 12 months, from the date of days each year, unless other	months, and the permit. This erwise authorized
fromannually on	sum of 19, t	hall pay to the Forest Service, U.SDollars (\$	) for the period , and thereafter
Provided, hower charges on a bas	ver, Charges for this use may be massis commensurate with the value of	Dollars (\$	to place the
3. This perm		ions set forth herein, and to condition	ons <u>18</u> to
PERMITTEE	NAME OF PERMITTEE  Lone Star Industrie  2 John Schalk	SIGNATURE OF AUTHORIZED DEFERS	DATE 11/17/73
ISSUING OFFICER	W.R. Snyder	Forest Supervisor	DATE 11/16/73
	CONTIN	ED ON PENEUSE)	Special Agriculture

revision of layout or construction plans for this area must be approved in advance and in writing by the forest supervisor. Trees or shrubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and has marked or otherwise designated that which may be removed or destroyed. Timber cut or destroyed will be paid for by the permittee as follows: Merchantable timber at appraised value; young-growth timber below merchantable size at current damage appraisal value; provided that the Forest Service reserves the right to dispose of the merchantable timber to others than the permittee at no stumpage cost to the permittee. Trees, shrubs, and other plants may be planted in such manner and in such places about the premises as may be approved by the forest officer in charge.

- 5. The permittee shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.
  - 6. This permit is subject to all valid claims.
- 7. The permittee, in exercising the privileges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, State, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.
- 8. The permittee shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.
- 9. The permittee shall exercise diligence in protecting from damage the land and property of the United States covered by and used in connection with this permit, and shall pay the United States for any damage resulting from negligence or from the violation of the terms of this permit or of any law or regulation applicable to the national forests by the permittee, or by any agents or employees of the permittee acting within the scope of their agency or employment.
- 10. The permittee shall fully repair all damage, other than ordinary wear and tear, to national forest roads and trails caused by the permittee in the exercise of the privilege granted by this permit.
- 11. No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.
- 12. Upon abandonment, termination, revocation, or cancellation of this permit, the permittee shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site, unless otherwise agreed upon in writing or in this permit. If the permittee fails to remove all such structures or improvements within a reasonable period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and restoration of the site.
- 13. This permit is not transferable. If the permittee through voluntary sale or transfer, or through enforcement of contract, foreclosure, tax sale, or other valid legal proceeding shall cease to be the owner of the physical improvements other than those owned by the United States situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred in either manner provided is qualified as a permittee and is willing that his future occupancy of the premises shall be subject to such new conditions and stipulations as existing or prospective circumstances may warrant, his continued occupancy of the premises may be authorized by permit to him if, in the opinion of the issuing officer or his successor, issuance of a permit is desirable and in the public interest.
  - 14. In case of change of address, the permittee shall immediately notify the forest supervisor.
- 15. The temporary use and occupancy of the premises and improvements herein described may be sublet by the permittee to third parties only with the prior written approval of the forest supervisor but the permittee shall continue to be responsible for compliance with all conditions of this permit by persons to whom such premises may be sublet.
- 16. This permit may be terminated upon breach of any of the conditions herein or at the discretion of the regional forester or the Chief, Forest Service.
  - 17. In the event of any conflict between any of the preceding printed clauses or an provincens thereof and

18. 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 pesticides 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 arrester 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 indemnified against claims for injury to persons or damages to property, due to development, operation or use under this permit.

- 23. All liquids and solids discharged from the well will be vented into storage tanks or fenced drip pits. The permittee will provide that the location and all equipment will be kept in satisfactory condition to prevent damage to livestock and wildlife.
- 24. 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, sending, wattling, 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 favorable to revegetation or other areas on which the soil and/or ground with suitable vegetation or otherwise treated by the permittee as done at a time of the year, in a manner, and with the kinds and 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 permittauthorizes 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
- 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 a operative or assistance basis under Section 5, Act of April 24, 1959, 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 for a period not to exceed three years or until site stabilization is 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 construction of these improvements are given in Exhibit 2.
- 33. None 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. Construction at the site shall be in accordance with the specifications set forth in exhibit #4, attached hereto.

### Exhibit 1

The existing closed road will be used for temporary access. Maintenance will be restricted to light blading of a 14' wide section. No ditchs will be cut.

#### Exhibit 2

No culverts or cattleguards will be installed.

## Exhibit 3

The prescribed seed mixture for revegetation of disturbed areas is:

Pubescent Wheat Grass Sand Drop Seed Fourwing salt bush

6 lbs. per acre

1 lb. per acre

5 lbs. per acre

#### EXHIBIT #4

- 1. No equipment will be allowed on slopes in excess of 20 percent. Clearing limits will be flagged by the Forest Officer. To reduce cut and fill it may be necessary to construct the well location on more than one level.
- 2. The permittee will provide a copy of the Highway Access Agreement.
- 3. No pits, dehydrators, storage tanks or other such improvements will be allowed on the site. These will be located at the end of the pipeline on the 52-1 location. Any necessary valves or appurtenances will be below ground level or as low as safety regulations will allow.
- 4. As soon as the drilling operation and testing is completed all liquids will be removed from pits and the location cleaned up completely.
  - Following completion of the well, all temporary roads will be closed and dirt will be backfilled against all cut banks.
- 5. Seeding will be repeated as often as necessary to establish an adequate ground cover. If the Highway right-of-way is not fenced the permittee will fence all seeded areas. Planting of trees and shrubs may be required to screen the well locations.
- 6. Organic trash generated during drilling operations will be buried in the mud pit.

