

30-039-20929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-4452	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
2. NAME OF OPERATOR LONE STAR INDUSTRIES, INC.			7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR %JOHN E. SCHALK, P. O. BOX 2078, FARMINGTON, N. M.			8. FARM OR LEASE NAME SCHALK - 52	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2456' FROM NORTH LINE, 795' FROM EAST LINE At proposed prod. zone SECTION 24, TOWNSHIP 29 NORTH, RANGE 5 WEST			9. WELL NO. 6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 40 MILES EAST OF BLOOMFIELD, NEW MEXICO			10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 795'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 24, T-29N, R-5W	
16. NO. OF ACRES IN LEASE 548.52			12. COUNTY OR PARISH RIO ARriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 274.26 274.21			13. STATE NEW MEXICO	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'			19. PROPOSED DEPTH 5800'	
20. ROTARY OR CABLE TOOLS ROTARY			21. APPROX. DATE WORK WILL START* JUNE 20, 1974	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 6531.0 GR				

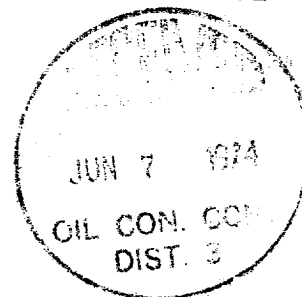
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250'	250 SACKS
7-7/8"	4-1/2"	10.5#	5800'	300 SACKS

WILL DRILL WITH ROTARY TOOLS TO TEST THE MESA VERDE FORMATION. WILL RUN AN INDUCTION LOG AND FORMATION DENSITY CALIPER GAMMA RAY LOG AT TOTAL DEPTH. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED.

ESTIMATED TOPS

OJO ALAMO	2621'
KIRTLAND	2861'
FRUITLAND	3208'
PICTURED CLIFFS	3476'
LEWIS	3566'
CLIFF HOUSE	5356'
POINT LOOKOUT	5670'
TOTAL DEPTH	5800'



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 program if any.

24. John E. Schalk SIGNED AGENT TITLE MAY 29, 1974 DATE  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Hel E. 104 for NW  
issue NW

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.

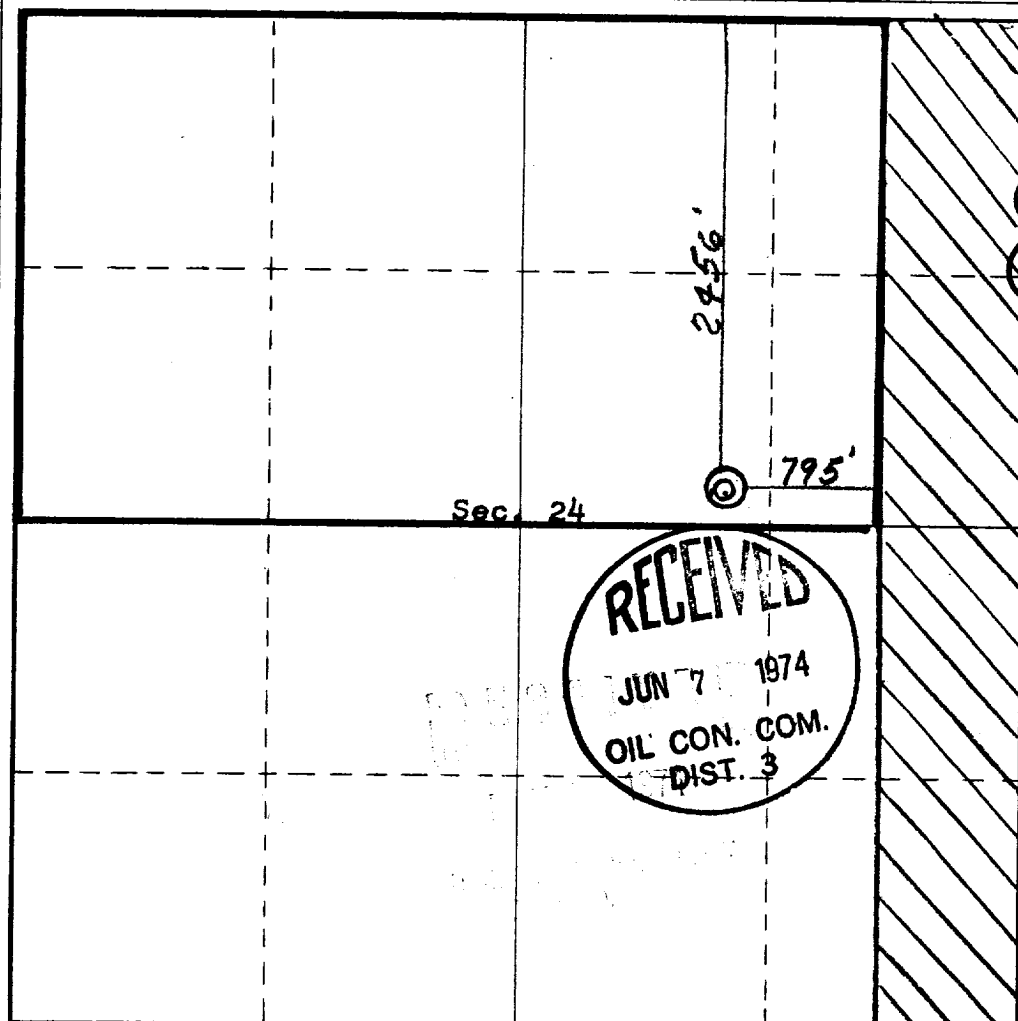
Operator <b>LONE STAR INDUSTRIES-SCHALK</b>			Lease <i>Schalk</i> <b>52</b>		Well No. <b>6</b>
Unit Letter <b>#6</b>	Section <b>24</b>	Township <b>29 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>2456</b> feet from the <b>NORTH</b> line and <b>795</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6531.0</b>	Producing Formation <b>BLANCO MESA VERDE</b>	Pool <b>MESA VERDE</b>	Dedicated Acreage: <del>274.26</del> <b>274.21</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. *86*
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.

*John E. Schalk*

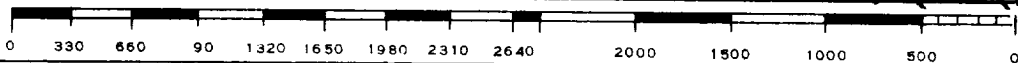
Name  
**JOHN E. SCHALK**  
Position  
**AGENT**

Company  
**LONE STAR INDUSTRIES, INC.**

Date  
**MAY 29, 1974**

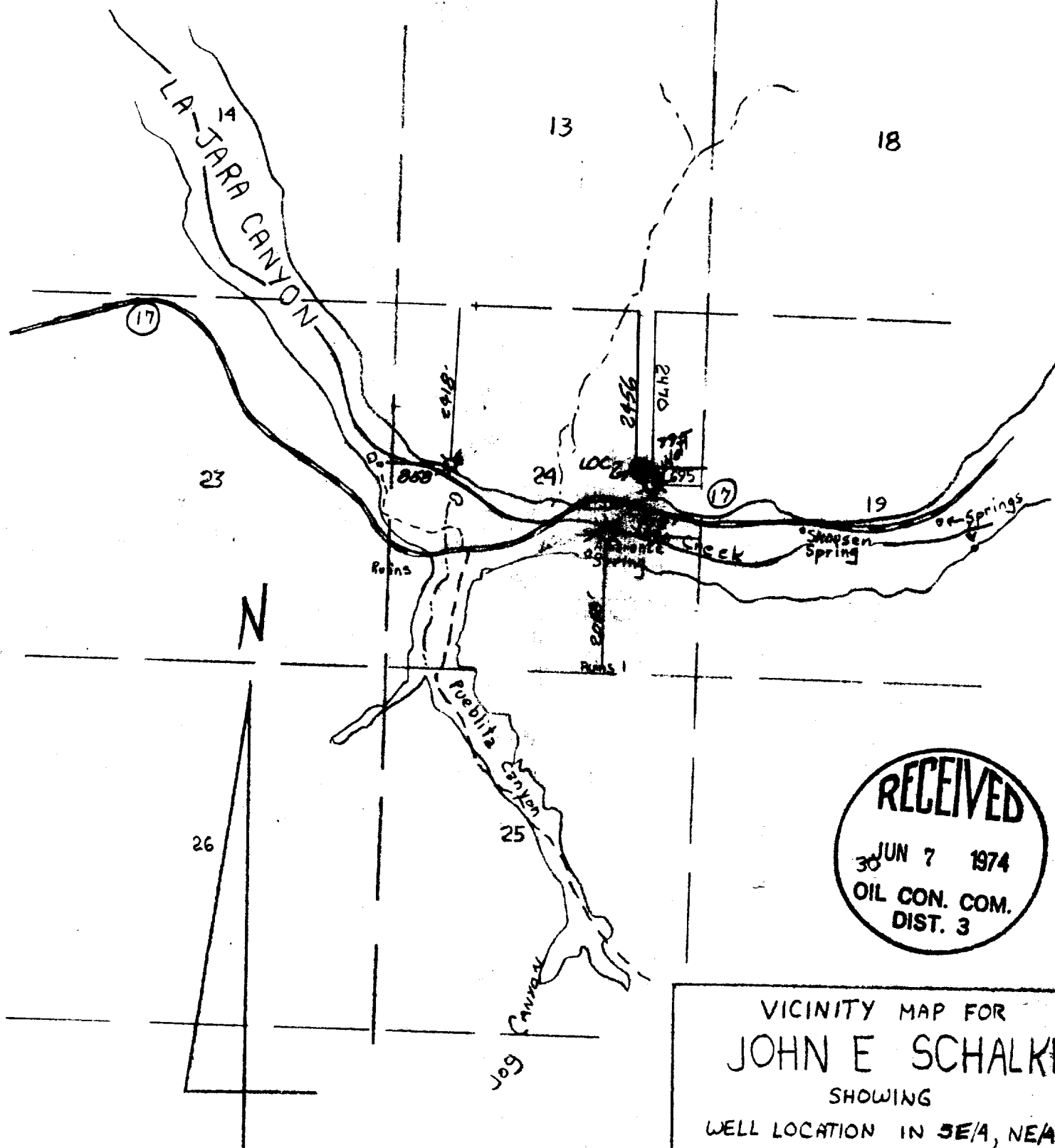
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**23 MAY 1974**  
Date Surveyed  
**JAMES P. LEESE**  
Registered Professional Engineer  
and/or Land Surveyor  
**NEW MEXICO**  
Certificate No. **1463**



RANGE  
5  
WEST

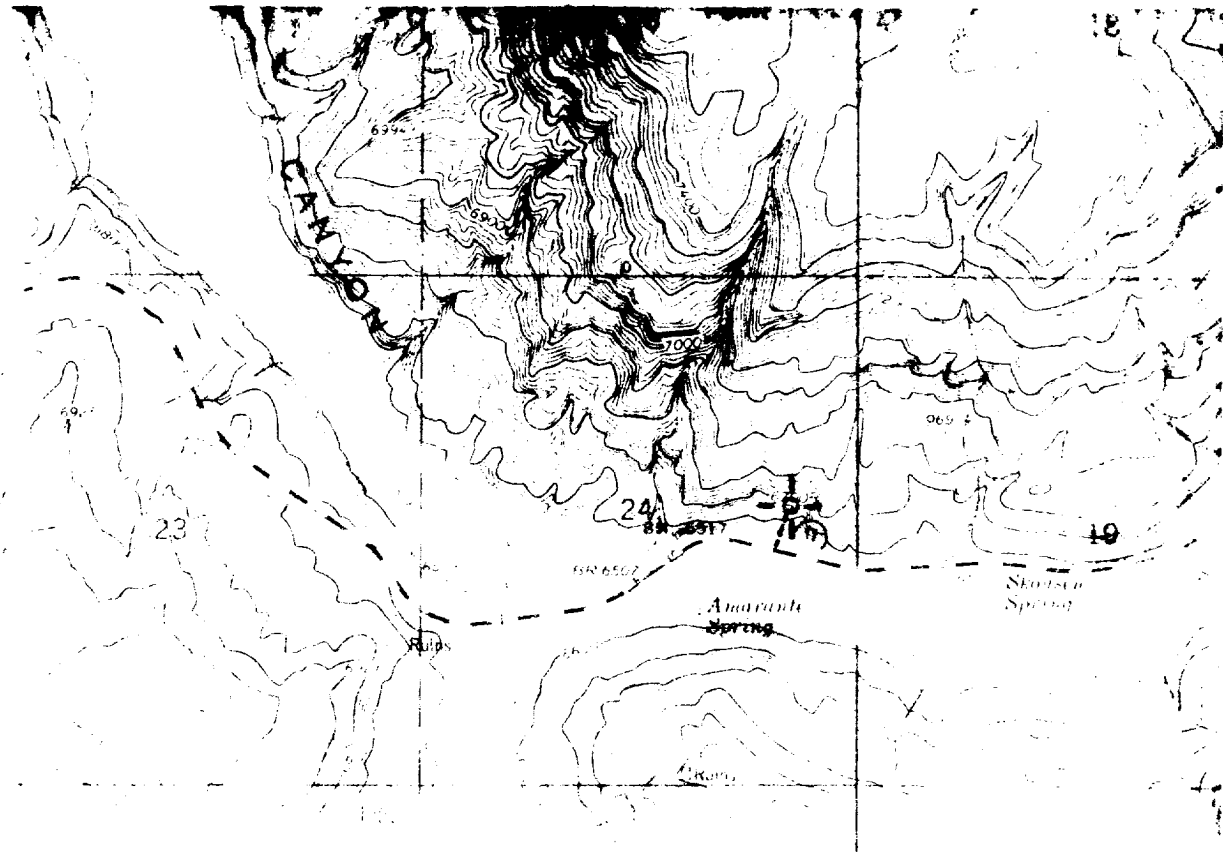
RANGE  
4  
WEST



RECEIVED  
30 JUN 7 1974  
OIL CON. COM.  
DIST. 3

VICINITY MAP FOR  
JOHN E SCHALKE  
SHOWING  
WELL LOCATION IN SE/4, NE/4  
of SEC 24 T29N, R5W,  
N.M.P.M. RIO ARRIBA CO., N.M.  
Scale 1"=2000' DATE 1 AUG, 1973  
San Juan Engineering Co



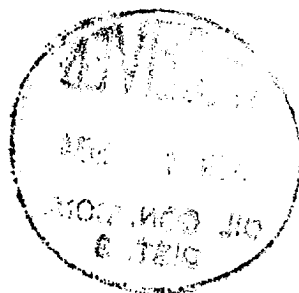


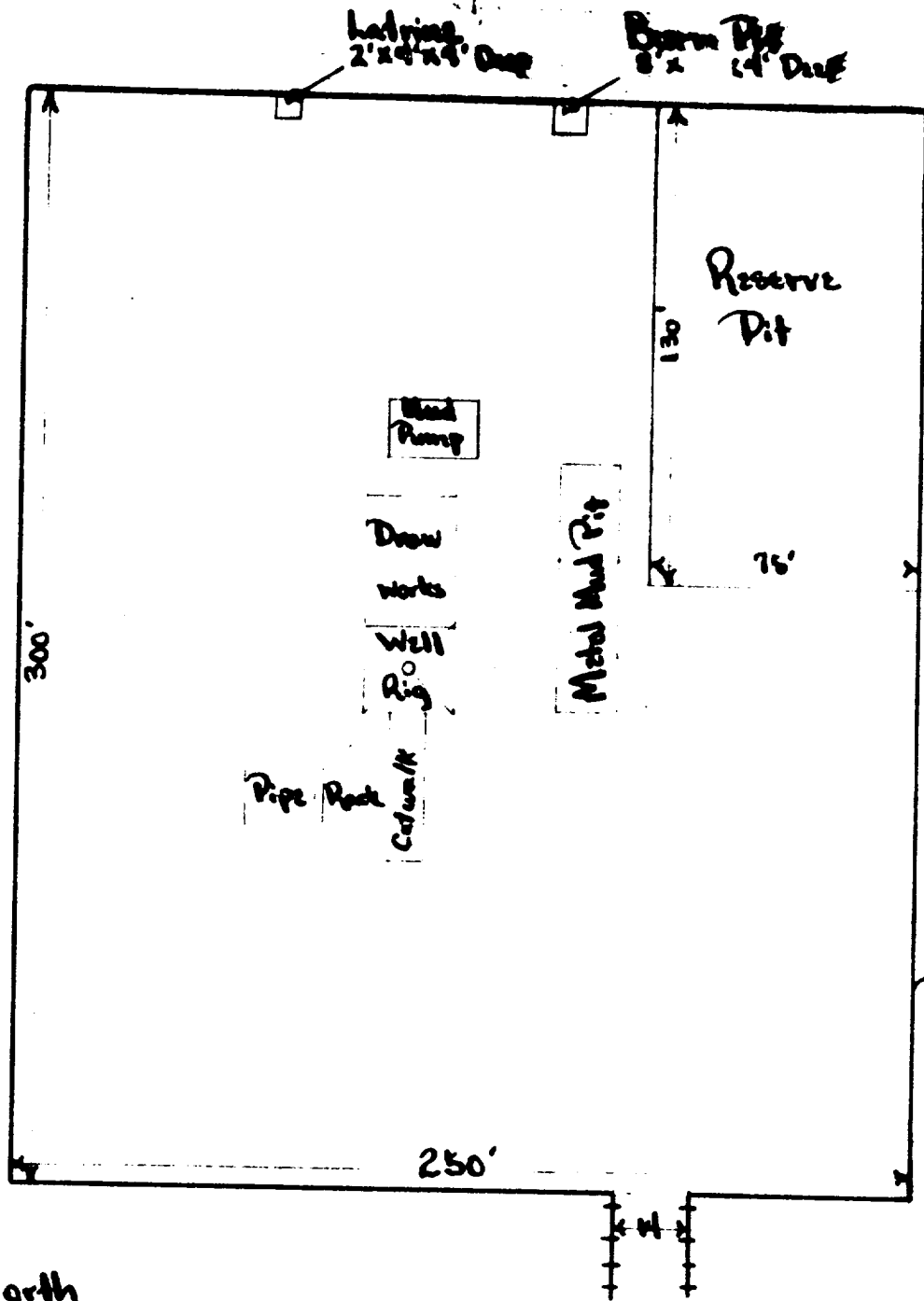
Proposed Road;  
app. 1/10 mile long  
14 feet wide



John E. Schalk  
Lone Star Industries 52-6  
Sec 24, T29N, R5W

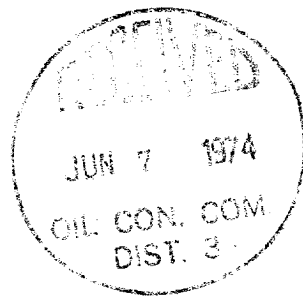
0 1  
Mile



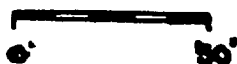


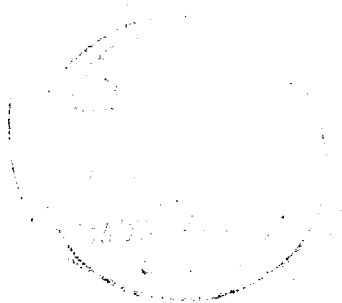
Proposed Road:  
app. 1/10 mile  
14' wide

North



John E. Schalk  
Lone Star Industries 52-6  
Sec. 24, T29 N, R5 W









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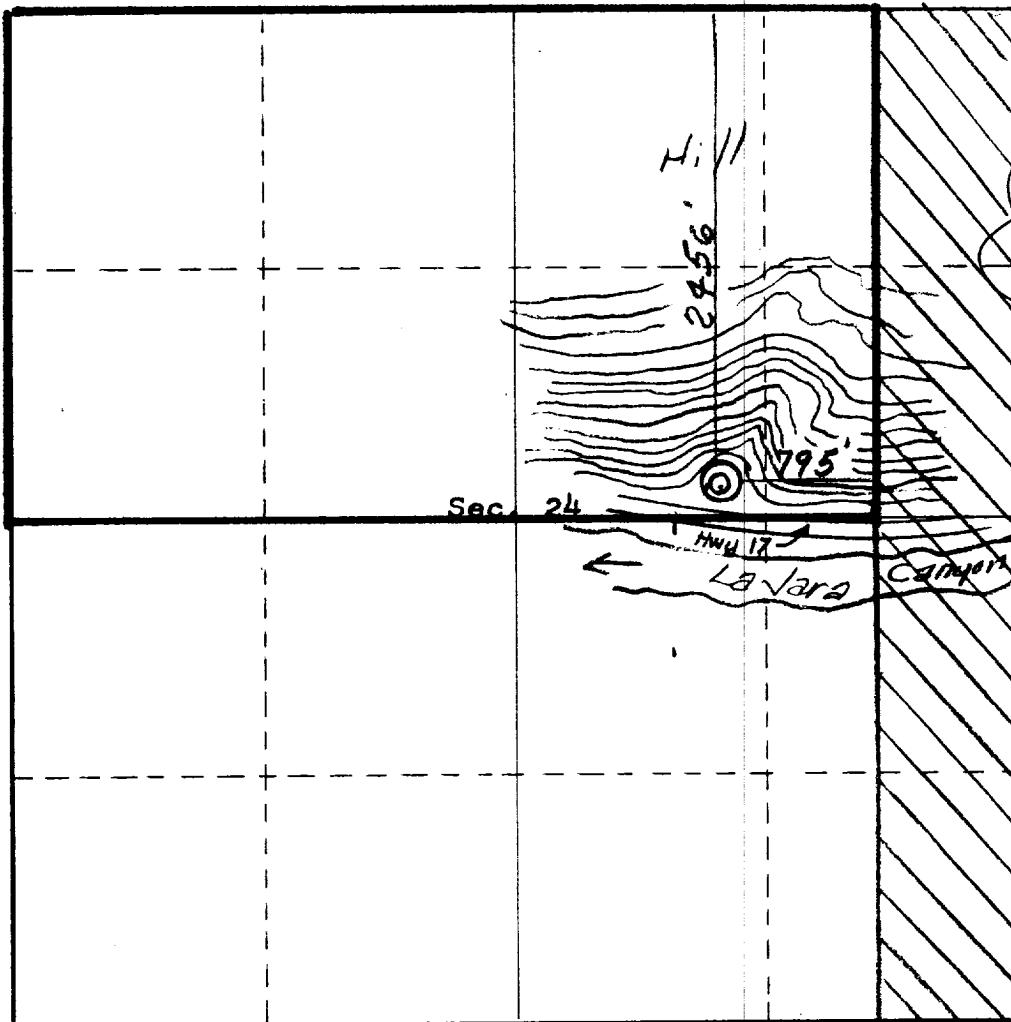
Operator <b>LONE STAR INDUSTRIES-SCHALK</b>			Lease <b>52</b>			Well No. <b>10</b>		
Unit Letter <b>H</b>	Section <b>24</b>	Township <b>29 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba</b>				
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CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
**John E. Schalk**  
Position  
**Agent**  
Company  
**Lone Star Industries, Inc.**  
Date  
**July 31, 1974**

I hereby certify that the well location shown on this plat was plotted from field 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  
**23 AUG 1974**  
Registered Professional Engineer  
and/or Land Surveyor  
**JAMES P. LEESE**  
Certificate No.  
**1463**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0