

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-21024

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☐

GAS

WELL ☒

OTHER ☐

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

LONE STAR INDUSTRIES, INC.

3. ADDRESS OF OPERATOR

%JOHN E. SCHALK, P. O. BOX 2078, FARMINGTON, N. M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

935' FROM THE NORTH LINE, 985' FROM THE EAST LINE

At proposed prod. zone

SECTION 12, TOWNSHIP 30 NORTH, RANGE 5 WEST

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

50 MILES EAST OF BLOOMFIELD, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

935'

16. NO. OF ACRES IN LEASE

200

17. NO. OF ACRES ASSIGNED

TO THIS WELL

268.63

(TO BE COMMUNITIZED)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

1/4 MILE

19. PROPOSED DEPTH

5945'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6675' GR

22. APPROX. DATE WORK WILL START*

SEPTEMBER 20, 1974

23.

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#	300'	300 SACKS
7-7/8"	4-1/2"	10.5#	5945'	350 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	- 2900'	CLIFF HOUSE	- 5670'
KIRTLAND	- 3003'	MENEFEE	- 5718'
PICTURED CLIFFS	- 3487'	POINT LOOKOUT	- 5900'
LEWIS	- 3543'	TOTAL DEPTH	- 5945'

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.

SIGNED

John E. Schalk

TITLE

AGENT

DATE

9-17-74

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Janey N.W.

SK

*See Instructions On Reverse Side

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.

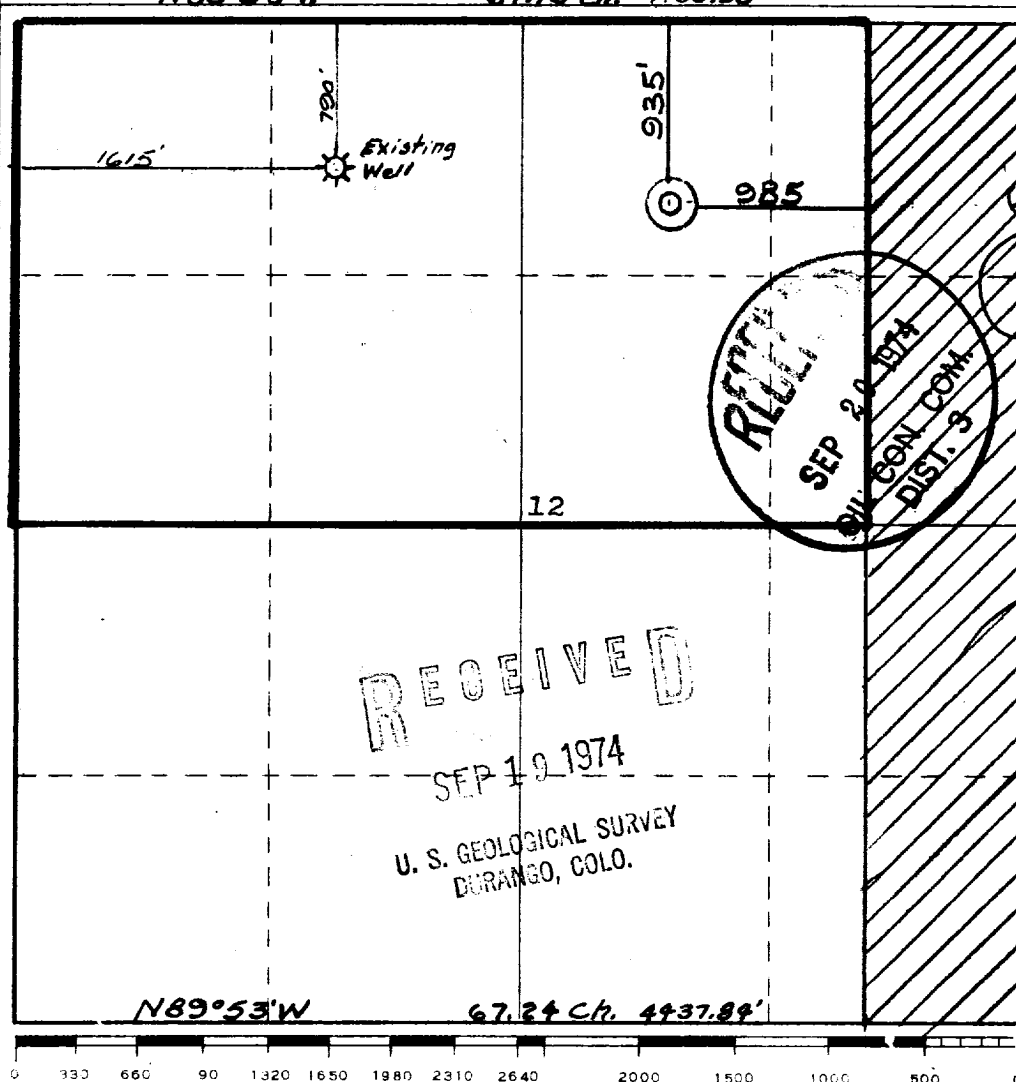
Operator LONE STAR INDUSTRIES, INC.		Lease SCHALK 57 NM 4457		Well No. 2
Unit Letter B	Section 12	Township 30 NORTH	Range 5 WEST	County RIO ARriba
Actual Footage Location of Well: 935 feet from the NORTH line and 985 feet from the EAST line				
Ground Level Elev. 6675	Producing Formation MESA VERDE	Pool BLANCO MESA VERDE	Dedicated Acreage: 268.63 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 COMMUNITIZED

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.

Name
JOHN E. SCHALK
Position
AGENT
Company
LONE STAR INDUSTRIES, INC.
Date
9-17-74

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
4 Sept. 1974
Registered Professional Engineer and/or Land Surveyor
James P. Leese
Certificate No.
1463

**SPECIAL USE
APPLICATION AND REPORT**

Ref: FSM 2712

FOREST SERVICE USE ONLY

a. Record no. (1-2)	b. Region (3-4)	c. Forest (5-6)
70		
d. District (7-8)	e. User number (9-12)	f. Kind of use (13-15)
g. State (16-17)	h. County (18-20)	i. Cord No. (21)

PART I - APPLICATION (To be completed by applicant)

Application hereby made for a permit to use National Forest land as indicated below:

1. Description of land (State MAP or PLAT)

A TWO ACRE PLOT IN THE NE/4 NW/4 SECTION 12, TOWNSHIP 30 NORTH, RANGE 5 WEST AND AN ACCESS ROAD RIGHT-A-WAY THROUGH THE S/2 S/2 W/4 SECTION 1, TOWNSHIP 30 NORTH, RANGE 5 WEST AND THE NW/4 NW/4 SECTION 12, TOWNSHIP 30 NORTH, RANGE 5 WEST AS SHOWN ON THE ATTACHED MAP. LEASE NO. NM-4457. (AN ACCESS ROAD IS COMPLETE TO SCHALK 57 NO. 1 LOCATION AND WILL BE EXTENDED TO NEW LOCATION.)

CONSTRUCTING AND DRILLING OF THE SCHALK 57 WELL NO. 2 GAS WELL.

3. Land Area applied for (For Rights-of-Way show length and width and convert to acres, for other uses show area)

Length in $\frac{1}{2}$ Mile or 5280 Feet \times Width $\frac{18}{2.18}$ Feet

4. Improvements

a. Description

IMPROVEMENTS WILL CONSIST OF A TWO ACRE GAS WELL LOCATION, AN ACCESS ROAD, STORAGE TANKS, COLLECTION PITS, AND OTHER PARAPHERNALIA NECESSARY FOR DRILLING, MAINTENANCE, AND PRODUCTION OF NATURAL GAS.

5. Plans attached Yes No. If "NO" show date plans will be furnished

c. Estimated cost

d. Construction will begin within

e. Construction will be completed within

\$ 3,500.00

ONE MONTH

ONE MONTH

Date of Application

Applicant's name and signature

Applicant's address

9-17-74

ONE STAR INDUSTRIES, INC.

JOHN E. SCHALK, AGENT

P. O. BOX 2078
FARMINGTON, NEW MEXICO
87401

(OVER)

2700-3 (7-71)



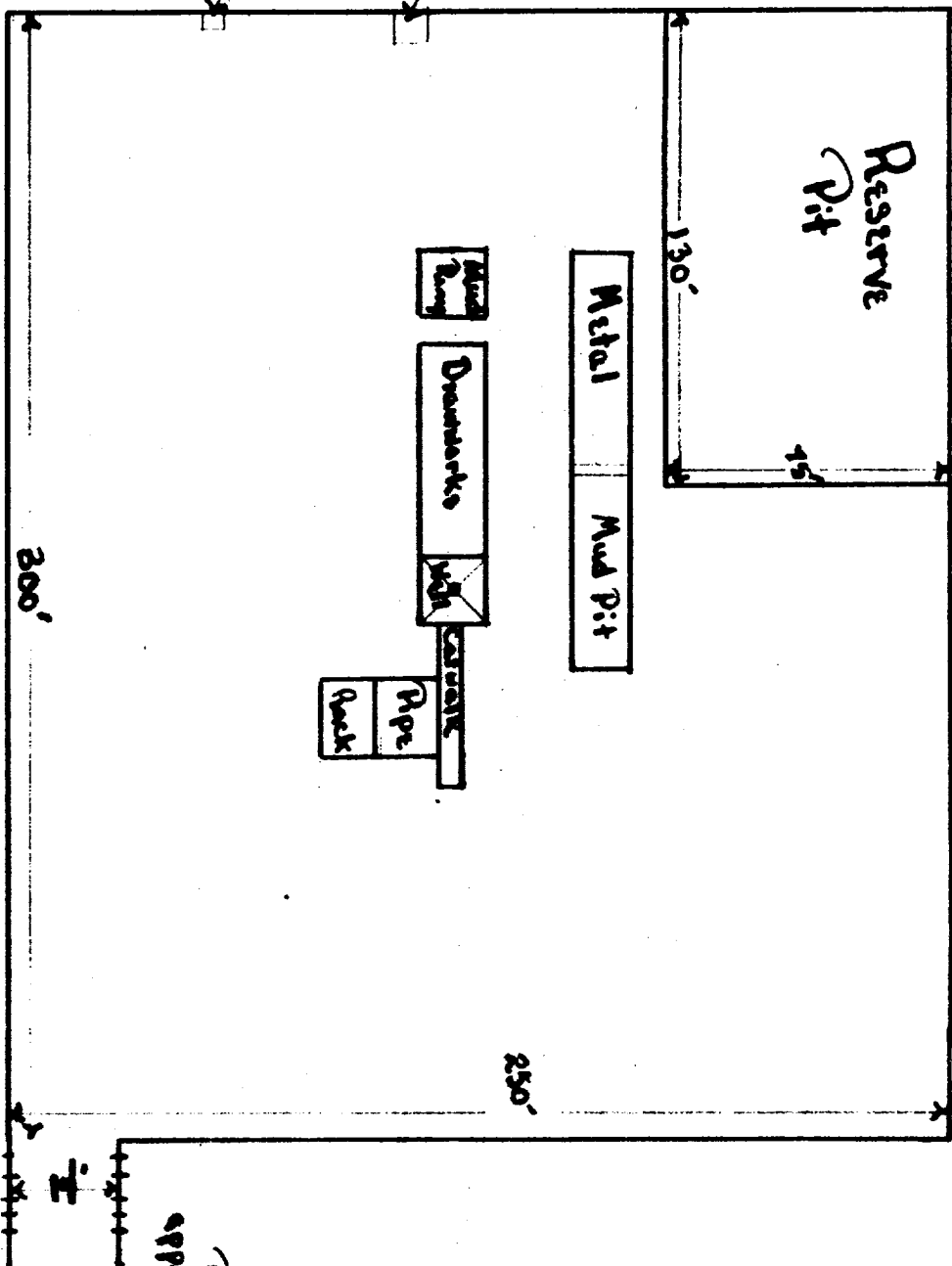
Burn Pit
8x12x4' Deep

Propane
2x4x4' Deep

North



0' 30'
Scale



honz Star Industries
Schalk 57 #2
Sec. 12, T30N, R5W



Proposed Road;
app. $\frac{1}{4}$ mile long
& 14 feet wide

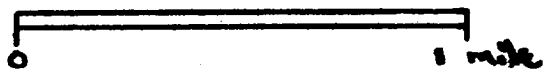
Proposed location;
app. 1050 feet west of
Schalk 57-1

..... Proposed road & location

— Existing road & location



Scale 1:24,000



Lone Star Industries
Schalk 57-2

Section 12, Township 30 North, Range 5 West

12 Point - Development Plan for Surface Use

Lone Star Industries, Inc.

Schalk 57-2

1. Existing roads: Attached map shows existing road running from the Southwest corner of Section to the Northwest.
2. Proposed Access road: Will depart from main (existing) road and run 1/4 mile along North edge of the Schalk 57-1 location.
3. Existing Wells: Lone Star Industries, Schalk 57-1; approximately 1,050' West 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 Waster 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 restoration of surface. Restoration will be to the satisfaction of the United States Geological Survey.
12. This location slopes at an increase of 20' per 800' to the South. There will be approximately a two foot cut on the Southwest side of proposed location. Vegetation is sage brush and cedar 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.