

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-20664

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
 JOHN E. SCHALK

3. ADDRESS OF OPERATOR
 P. O. BOX 2078 FARMINGTON, NEW MEXICO 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1760' FROM THE NORTH LINE, 1190' FROM THE WEST LINE
 At proposed prod. zone SECTION 33, TOWNSHIP 32 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*

5. LEASE DESIGNATION AND SERIAL NO.
 NM-4462

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 LONE STAR INDUSTRIES
 SCHALK-62

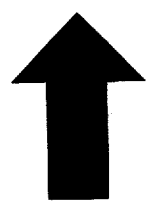
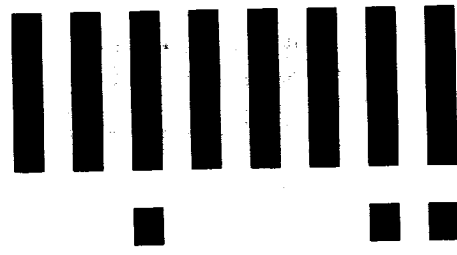
9. WELL NO.
 2

10. FIELD AND POOL, OR WILDCAT
 BASIN DAKOTA ✓

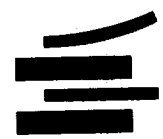
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 33, T-32N, R-5W

12. COUNTY OR PARISH
 RIO ARRIBA

13. STATE
 NEW MEXICO



LTR



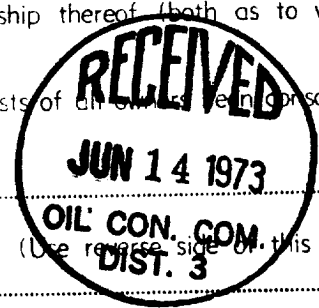
Job separation sheet

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

All distances must be from the outer boundaries of the Section

Operator JOHN E. SCHALK. 1			Lease LONE STAR INDUSTRIES-SCHALK-62		Well No. 2
Unit Letter E	Section 33	Township 32 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1760 feet from the NORTH line and 1190 feet from the WEST line					
Ground Level Elev. 6796.0	Producing Formation DAKOTA	Pool BASIN DAKOTA		Dedicated Acreage. 320	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 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 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.



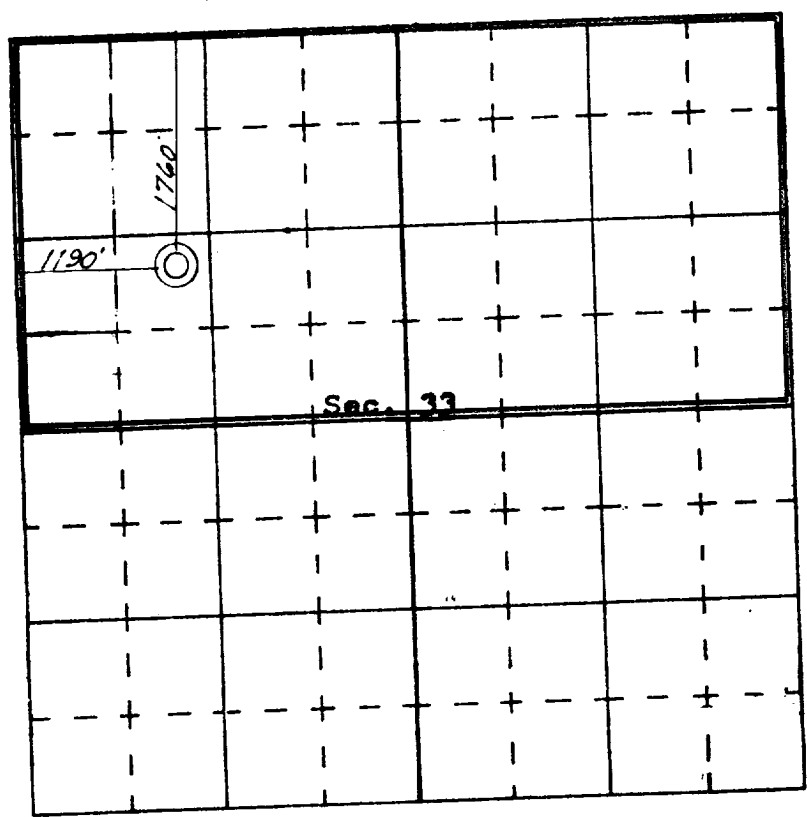
CERTIFICATION

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

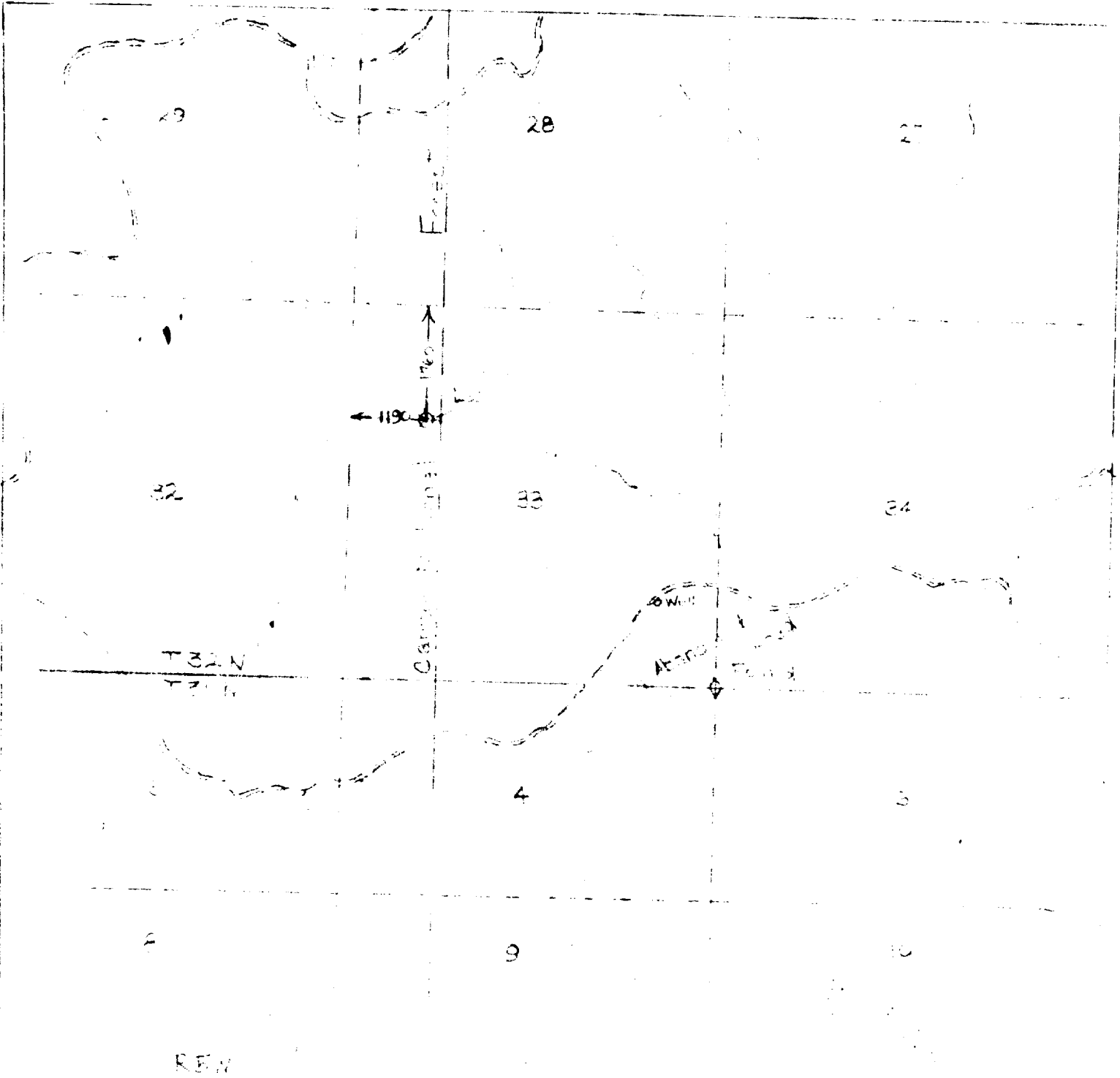
John E. Schalk
 Name _____
 Position **AGENT**
 Company **JOHN E. SCHALK**
 Date _____

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 **10 June 1973**
 Registered Professional Engineer and/or Land Surveyor
JAMES P. LEESE
 Certificate No. _____



SCALE—4 INCHES EQUALS 1 MILE

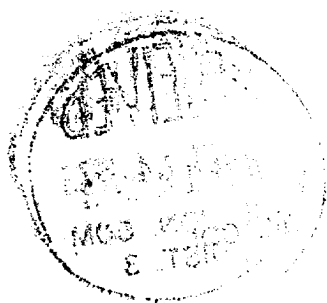


VICINITY MAP FOR

JOHN C. SCHALK

SHOWING

Well Location
 Sec 4
 T31N
 R. 10W
 SCALE 1" = 1/4 MI



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
LONE STAR INDUSTRIES, INC. (C/O JOHN E. SCHALK)

3. ADDRESS OF OPERATOR
P.O. BOX 2078, FARMINGTON, NEW MEXICO 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
1760' FROM NORTH LINE, 1190' FROM WEST LINE
At top prod. interval reported below
SAME
At total depth
SAME

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
NM - 4462

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
LONE STAR INDUSTRIES-SCHALK - 62

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED GALLUP

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 33, T-32N, R-5W

12. COUNTY OR PARISH
RIO ARRIBA

13. STATE
NEW MEXICO

15. DATE SHIPPED 6-28-73 16. DATE T.D. REACHED 7-17-73 17. DATE COMPL. (Ready to prod.) 8-12-73 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6796' GR. 19. ELEV. CASINGHEAD 6796'

20. TOTAL DEPTH, MD & TVD 7717' 21. PLUG, BACK T.D., MD & TVD --- 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS X CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
7674½' - 7686½' GALLUP

25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES, CDC, CDGR, COMP, NEUTRON LOG, GR.

29. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75#	334 KB	15"	300 SACKS CLASS "A"	NONE
5-1/2"	17.00#	7660 KB	7-7/8"	1ST STAGE 100 SACKS	NONE
	&			2ND STAGE 50 SACKS	
	15.50#				

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NONE					2-3/8"	7702	7592 & 7597

31. PERFORATION RECORD (Interval, size and number)

7674½ - 7686½

2 SHOTS PER FOOT

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>7674½ - 7686½</u>	<u>60,000 GAL, 35,000 LBS. SAND</u>

33. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WAITING ON PIPE LINE WELL STATUS (Producing or shut-in) SHUT-IN

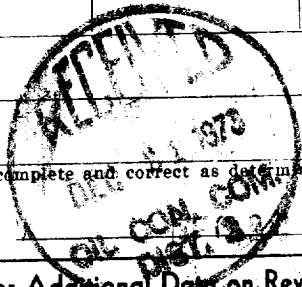
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>8-7-73</u>	<u>34</u>	<u>3/4"</u>	<u>---</u>	<u>NONE</u>	<u>16,000</u>	<u>1/2</u>	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
<u>3435</u>	<u>3525</u>	<u>---</u>					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
VENTED

35. LIST OF ATTACHMENTS
SEPERATOR AND VENT LINE

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Donna Hughes TITLE _____ DATE 12-14-73



*(See Instructions and Spaces for Additional Data on Reverse Side)



INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

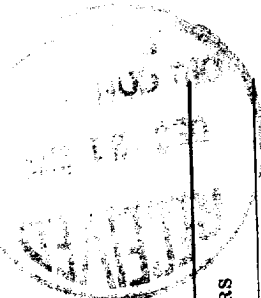
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)



38.

GEOLOGIC MARKERS

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			AT 7687 WELL BLEW OUT AFTER A NINE FOOT DRILLING BREAK WHICH DRILLED VERY FAST AND AS IF FRACTURED. WHILE BLOWING THROUGH TWO INCH RELIEF LINES THE WELL WAS GUAGED WITH PITOT TUBE SEVERAL TIMES IN EXCESS OF 10,000 MCF.	2929'		
				3019'		
				PICTURED CLIFFS 3619'		
				CLIFF HOUSE 5928'		
				MANEFEE 5950'		
				POINT LOOKOUT 6098'		
				MANCOS TRANSITION 6204'		
				MANCOS 6271'		
				GALLUP 7081'		
				TD-DRILLER 7715'		
				TD-SCHUMBERGER 7717'		

671-233