

RECEIVED BY
Form approved.
Budget Bureau No. 42-R1425.
JUL 20 1984
LEASE DESIGNATION AND SERIAL NO.
NM 03677
O. C. D.
ARTESIA OFFICE
IF INDIAN, INDOTTY OF TRIBE NAME

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Reentry
WELL ☒ ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Harvey E. Yates Company ✓

3. ADDRESS OF OPERATOR
P. O. Box 1933, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 990' FNL & 330' FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
11 miles NE of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any.) 330'

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL DRILLING COMPLETED OR APPLIED FOR ON THIS LEASE, FT. 330'

21. ELEVATIONS (Show whether DE, RT, GR, etc.)
3250' GR

25. PROPOSED CASING AND CEMENTING PROGRAM

	SIZE OF HOUE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
EXISTING	17 1/2" 11"	8 5/8"	24#	670'	100 SXS
	11 7/8"	4 1/2"	9.5#	3-64	See Note CIRCULATE

NOTE: If commercial production is encountered, we will run and cement 4 1/2" casing in a manner satisfactory with the Bureau of Land Management.

See procedure attached.

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.

SIGNED *Ray F. C. John*
(This space for Federal or State office use)

Reservoir Engineer

DATE June 6, 1984

PERMIT NO.

APPROVED BY *Don Wood*
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL DATE
AREA MANAGER
CARLSBAD REGIONAL

DATE 7-19-84
APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-138
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

Owner Harvey E. Yates			Lease Stebbins Deep Federal		Well No. 4
all Letter A	Section 30	Township 20S	Range 29E	County Eddy	
Actual Footage Location of Well:					
330 feet from the East line and		990 feet from the North line			
round Level Elev. 3250'	Producing Formation Permian	Pool Scanlon Delaware	Dedicated Acreage 40 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 _____

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.

James D. Monroe
Name

James D. Monroe
Position

Supt.
Company

Harvey E. Yates
Date

July 13, 1967

I hereby certify that the well location shown on this plat was located 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

July 12, 1967

Registered Professional Engineer
and/or Land Surveyor

Harvey E. Yates
Certificate No.

(Re-Entry)
COMPLETION LOG

WELL: Stebbins Deep Federal #4 Date: June 6, 1984

LOCATION: 990' FNL & 330' FEL, Sec. 30, T-26N, R-29E

FIELD: Scanlon Delaware Survey 11-11-83 344' FB TD: 3364' Depth: P & A

CASING RECORD:	SIZE	WT. & GRADE	DEPTH	CEMENT	CEMENT TOP
	8 5/8"	24#	670'	100 sxs	Surface

FORMATION TOWN: Yates 753'
Delaware Sd 3230

PERCEPT PERFORMANCES: None

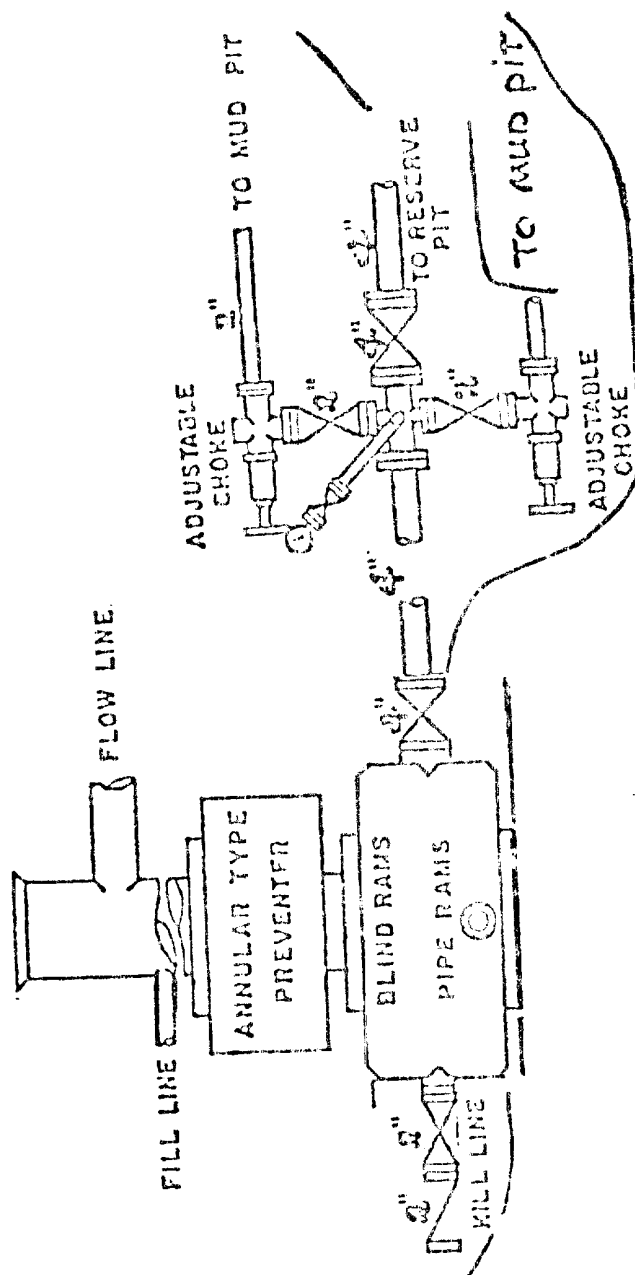
PERCEPT PERFORMANCES: P & A

RECOMMENDED PROCEDURE: (Re-entry & test Delaware pay)

- 1) MI & clean out cellar. Cut off dry hole marker & dress 8 5/8" csg w/Larkin slip on well head. Screw on adaptor flange to Larkin head.
- 2) MI & RU PU. NU BOP.
- 3) GIH w/7 7/8" bit, collars & 2 3/8" tbg & drill 20' surface plug, and 100' plugs @ 630'-730', 1140'-1240', & 3200'-3300' and clean out to 3400' for logging. Circ hole clean w/1% KCL & prepare to run open hole logs (CNL/FDC & DLJ depending on chlorides).
- 4) RU Dresser Atlas & run porosity & resistivity logs.
- 5) RU & run 4 1/2" 10.5# J-55 csg to TD. Cement w/sufficient quantity to *Circulate -*
~~cover zone of interest @ approximately 3380' to 3290'.~~ WOC 18 hours. *Capillary*
- 6) GIH w/bit & scraper & clean out to 3290'. POH. *Reef*
- 7) GIH w/3 3/8" csg gun & perforate per logs evaluation. POH.
- 8) GIH w/4 1/2" Model R pkr & spot 200 gals 7 1/2" MSR-100 w/anionic surfactants & phosphates over perfs. Pull pkr above perfs & breakdown perfs.
- 9) Swab to test. If shows, POH & RU to trace down csg. RU frac head.
- 10) Frac down 4 1/2" 9.5# csg w/20,000 gals 15 quality Methanol foam frac & 30,000#, 10-20 sd. SI 2 hours & open to pit.
- 11) GIH w/SN & 2 3/8" tbg & reverse sd out of csg to PBID. Pull tbg off bottom & leave below perfs.
- 12) ND BOP, NU tree. Run rods & pump, MI artificial lift equipment.
- 13) Turn over to pumper.

Ray F. Nokes
Reservoir Engineer
Harvey E. Yates Company
P. O. Box 1933
Roswell, New Mexico 88201

EXHIBIT D
 Harvey E. Yates Company
 Stebbins Deep Federal #4
 Eddy County, New Mexico .



900 Series

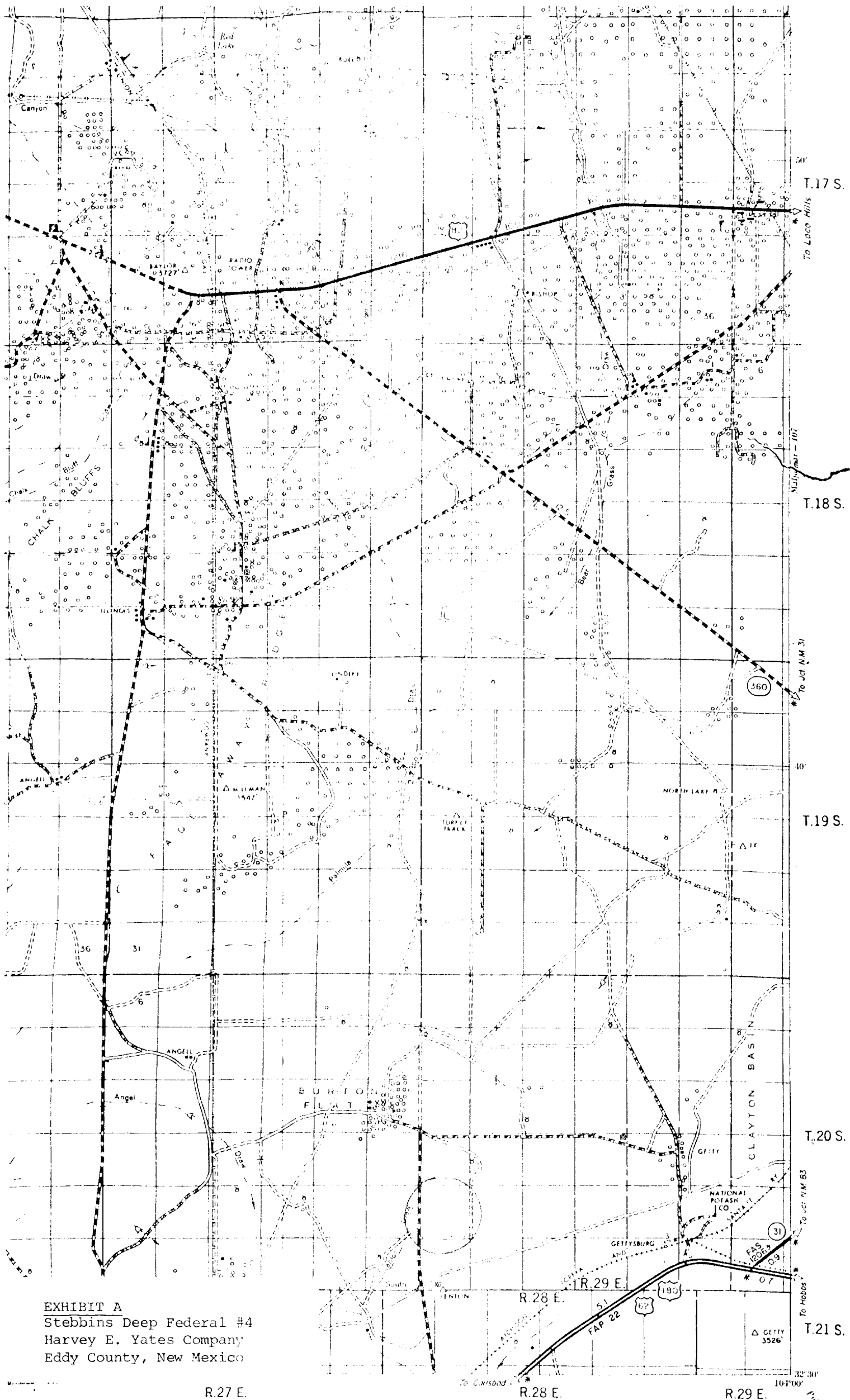


EXHIBIT A
Stebbins Deep Federal #4
Harvey E. Yates Company
Eddy County, New Mexico

or 1 Inch = 2 Miles

2 3 4

DATE OF INVENTORY
EDDY COUNTY 1965
CHAVEZ COUNTY 1966

ARTESIA
QUADRANGLE

32°30'
104°00'
Push - 115

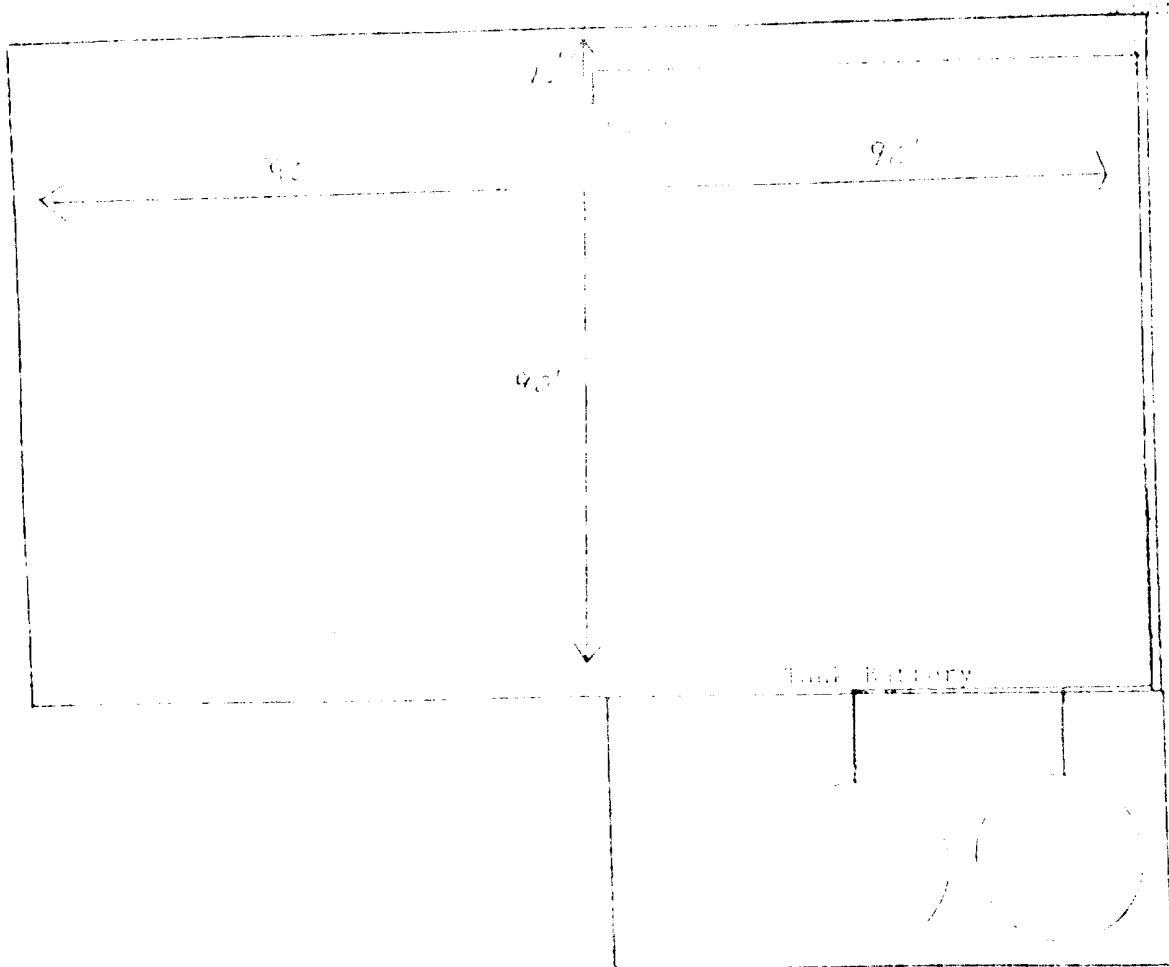


EXHIBIT C
Stebbins Deep Federal #4
Harvey E. Yates Company
Eddy County, New Mexico