

WELL NAME AND NUMBER Red Dog #1 OIL CONSERVATION DIVISION  
 LOCATION 1650' FSL & 1980' FEL, Section 2, T-14S, R-33E, Lea Co., New Mexico  
 (New Mexico give U.S.T. & R. - Texas give S. 4 B. 1 E. 22 and TWP)  
 OPERATOR Tahoe Energy - 3909 West Industrial - Midland, Texas 79703  
 DRILLING CONTRACTOR ZIADRIL, Inc. - P.O. Box 1860 - Hobbs, New Mexico 88241

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees and Depth	Degrees and Depth	Degrees and Depth	Degrees and Depth
1/2 160	1-1/4 4695	1 10068	
3/4 312	1 5189		
1/4 739	0 5681		
1/4 1145	1-3/4 6175		
1/4 1636	1 6454		
1/2 2008	3/4 6950		
1/2 2349	1-1/4 7509		
3/4 2750	2 8031		
1/2 3152	1-1/4 8309		
3/4 3583	1-3/4 8990		
1/4 4015	1-3/4 9358		
3/4 4171	1 9728		

Drilling Contractor ZIADRIL, Inc.

By Wiley Gilmore  
 Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 4th day of June 1990

My Commission expires:

05/05/94

Julie M. Hopper  
 Notary Public - Julie M. Hopper  
 Lea County, New Mexico

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-30853

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

2. Name of Operator

Tahoe Energy, Inc.

3. Address of Operator

3909 W. Industrial, Midland, TX 79703

4. Well Location

Unit Letter J : 1650 Feet From The South Line and 1980 Feet From The East Line

Section 2

Township 14-S

Range 33-E

NMPM

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4190 GL

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Logs & Production Casing ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1.) Drilled 7-7/8" hole to a total depth of 10,100'.

2.) Ran Schlumberger Compensated Neutron-Litho-Density, Dual Induction - SFL & Cyberlook open hole logs.

3.) Ran 5 1/2" casing as follows:

28 jts.	0'	-	1170'	(1170')	5 1/2" 20# Buttress Thd.
179 jts.	1170'	-	8012'	(6842')	5 1/2" 17# S-95 LTC
54 jts.	8012'	-	10,054.5'	(2042.5')	5 1/2" N-80 20# LTC
	10,054.5'	-	10,056'	(1.5')	5 1/2" Float Collar
1 jt.	10,056'	-	10,076'	(20')	5" N-80 20# LTC
	10,076'	-	10,077'	(1')	Guide Shoe
262 jts.			10,077'		

4.) Western cmt. as follows: Stage 1: 298 sx. Pacesetter Lite + 10#/sx + 1/10% WA-15  
Stage 2: 350 sx. Class "H" + 10% salt + 7/10% CF-14. Calculated T/cmt. @ 6620'.  
Displaced w/227.5 bbls. fresh water., plug down @ 1:15 p.m. MST 5-3-90. W.O.C.

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

SIGNATURE K. A. Freeman TITLE President

DATE 6/8/90

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Geologist

JUN 1 1990

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-30853
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 6231
7. Lease Name or Unit Agreement Name Red Dog
8. Well No. 1
9. Pool name or Wildcat Saunders Permo Upper Penn
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Tahoe Energy, Inc.
3. Address of Operator 3909 W. Industrial, Midland, Texas 79703
4. Well Location Unit Letter J : 1650 Feet From The South Line and 1980 Feet From The East Line Section 2 Township 14-S Range 33-E NMMPM Lea County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1.) Drilled 11" hole to 4200'.

2.) Ran 8-5/8" casing as follows:

0 - 312 ( 312')	8-5/8" 32# LTC
312 - 2303 (1991')	8-5/8" 24# STC
2303 - 4200 (1897')	8-5/8" 32# LTC + 5 centralizers

3.) Cemented w/Western Company as follows:

Stage 1: 1500 sx. Pacesetter Lite Class "C" + 6% gel + 5#/sx. salt  
State 2: 200 sx. Class "C" --circulated 338 sx. to surface, plug  
down @ 12:30 a.m. 5/19/90.

4/) W.O.C. 18 hrs.

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

SIGNATURE K. A. Freeman TITLE President DATE 5/22/90  
TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] DISTRICT 1 SUPERVISOR DATE MAY 25 1990  
CONDITIONS OF APPROVAL, IF ANY

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

RECEIVED P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

50 MAY 29 AM 11 02

WELL API NO. 30-025-30853
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 6231
7. Lease Name or Unit Agreement Name Red Dog
8. Well No. 1
9. Pool name or Wildcat Saunders Permo Upper Penn

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator Tahoe Energy, Inc.
3. Address of Operator 3909 W. Industrial, Midland, Texas 79703	4. Well Location Unit Letter J : 1650 Feet From The South Line and 1980 Feet From The East Line Section 2 Township 14-S Range 33-E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4190' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1.) Spudded 17½" hole @ 9:30 a.m. 5/11/90
- 2.) Drilled to 361', set 13-3/8" 48# STC new casing @ 359.75' w/5 centralizers and Texas Pattern Shoe.
- 3.) Western Company cemented w/380 sx. of Class "C" cement + 2% CaCl.
- 4.) Circulated 75 sx. of cement to surface.
- 5.) W. O. C. 18 hrs.
- 6.) Nipple up & test BOP to 3,000# - held O.K.
- 7.) Drill out w/11" bit for intermediate hole.

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

SIGNATURE K. A. Freeman TITLE President DATE 5/14/90  
TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY Jerry Loh TITLE DISTRICT 1 SUPERVISOR DATE MAY 21 1990

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)  
30-025-30853  
5. Indicate Type of Lease  
LEASE TYPE ☒ STATE ☐ FEE ☐  
6. State Oil & Gas Lease No.  
6231

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:  
DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐  
b. Type of Well:  
OIL WELL ☒ GAS WELL ☐ OTHER ☐  
SINGLE ZONE ☒ MULTIPLE ZONE ☐  
2. Name of Operator  
Tahoe Energy, Inc.  
3. Address of Operator  
3909 W. Industrial, Midland, Texas 79703  
4. Well Location  
Unit Letter J : 1650 Feet From The South Line and 1980 Feet From The East Line  
Section 2 Township 14-S Range 33-E NMPM Lea County  
10. Proposed Depth  
10,200  
11. Formation  
Pennsylvanian  
12. Rotary or C.T.  
Rotary  
13. Elevations (Show whether DF, RT, GR, etc.)  
est. 4190' GR  
14. Kind & Status Plug. Bond  
Blanket  
15. Drilling Contractor  
16. Approx. Date Work will start  
April 16, 1990  
17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	360'	400 sx.	circulate
11"	8-5/8"	24# & 32#	4200'	1700 sx.	circulate
7-7/8"	5-1/2"	17# & 20#	10,200'	700 sx.	6900'

Casing Design

13-3/8" (0- 360') 48# STC  
8-5/8" (0-2500') 24# & (2500'-4200') 32#  
5-1/2" (0- 350') 20# N-80 (350'-6650') 17# N-80 (6650'-10,200') 20# N-80

BOP Program

Shaffer LWS 11" 3000# Double Rams w/Kooney 3 station  
61 gal accumulator 5000# test.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE K. A. Freeman TITLE President DATE 3-30-90

TYPE OR PRINT NAME K. A. Freeman TELEPHONE NO. 915/697-7938

(This space for State Use)

APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE APR 3 1990

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
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DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TAHOE ENERGY INC.			Lease Red Dog		Well No. 1
Unit Letter J	Section 2	Township 14 South	Range 33 East	County Lea	
Actual Footage Location of Well: 1650 feet from the South line and 1980 feet from the East line					
Ground level Elev. 4192.0	Producing Formation Penn (Bough B-C-D)		Pool Saunders Permo Upper Penn	Dedicated Acreage: 40 Acres	

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

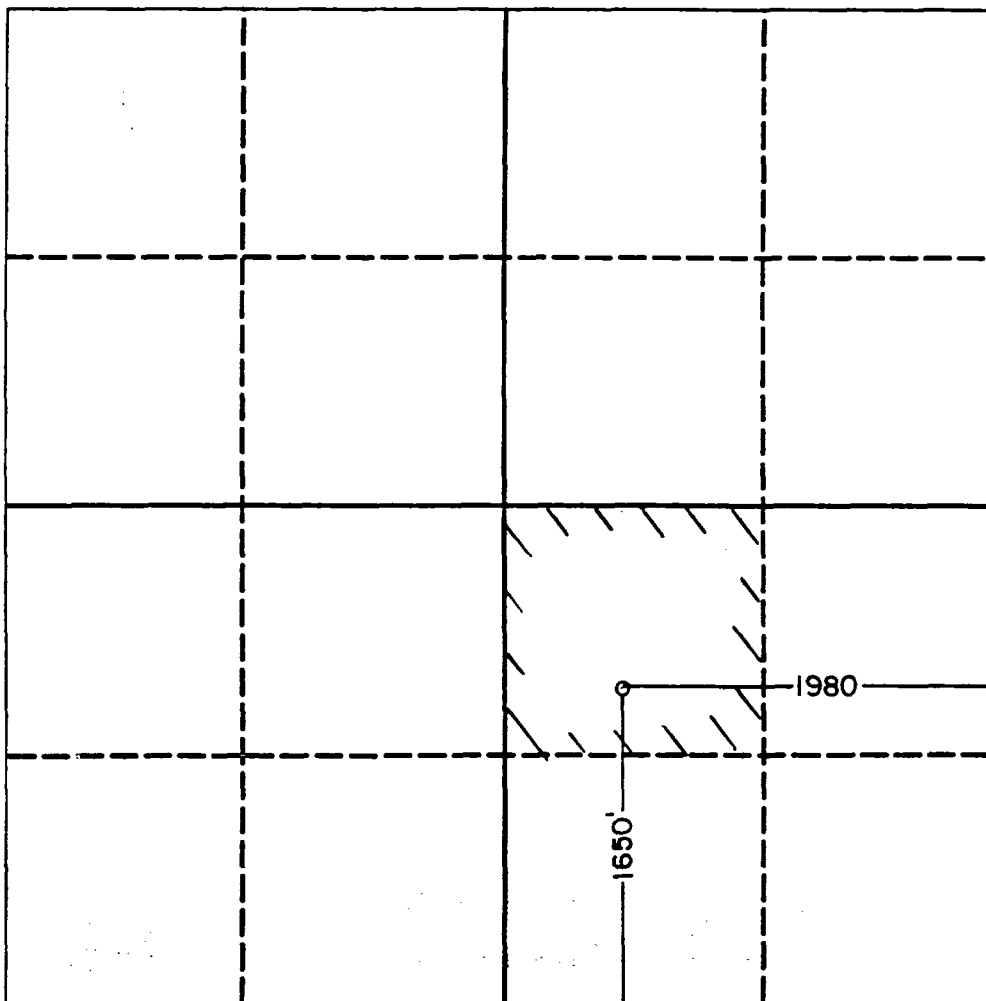
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature <i>K.A. Freeman</i>
Printed Name K.A. FREEMAN
Position President
Company Tahoe Energy, Inc.
Date 3-20-90

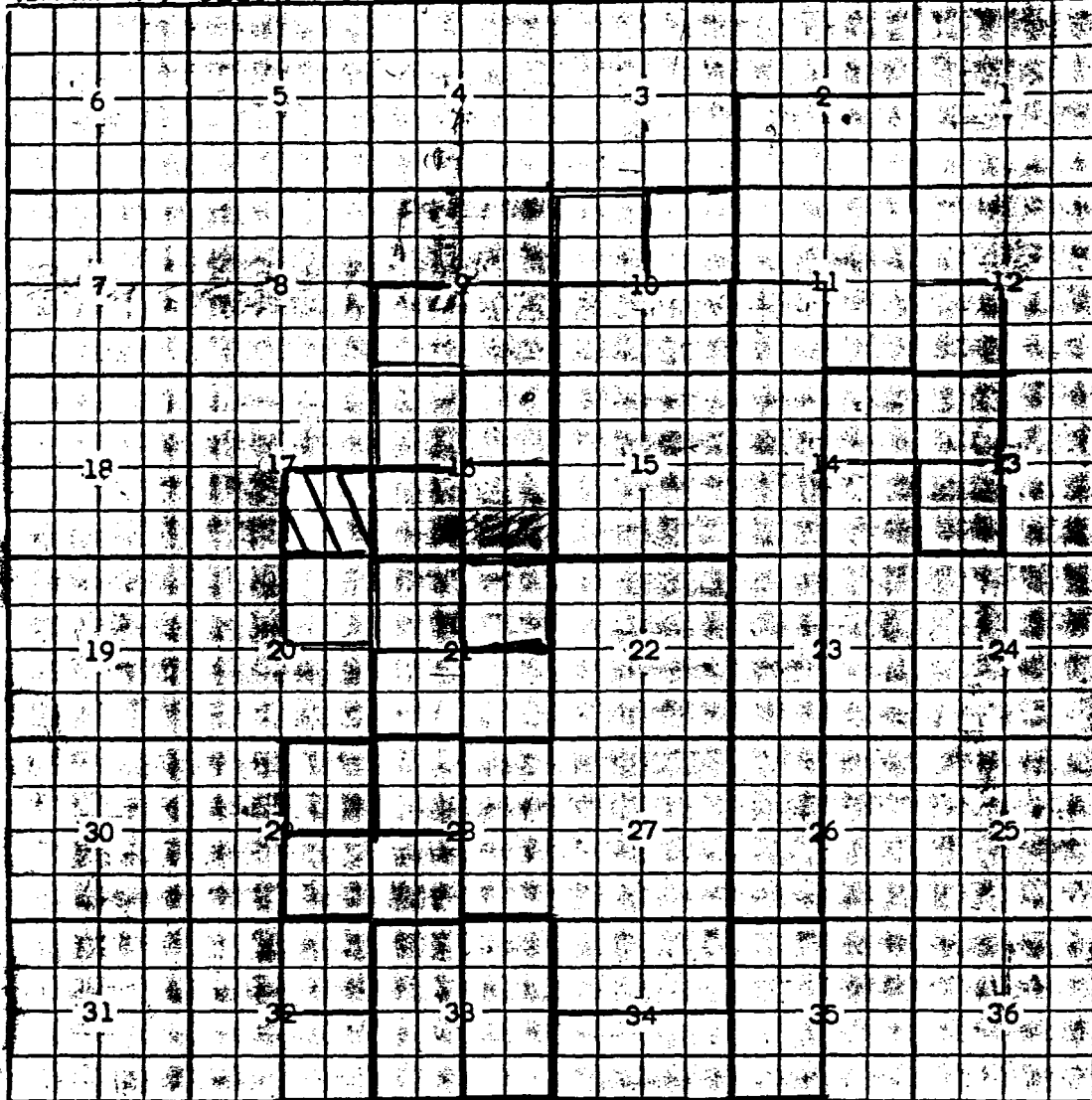
SURVEYOR CERTIFICATION

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 March 17, 1990
Signature & Seal of Professional Surveyor <i>John W. West</i>
REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO JOHN W. WEST 676 3239

County Lea Pool Sanders (Permian)

TOWNSHIP 14 South RANGE 33 East NEW MEXICO PRINCIPAL MERIDIAN



Description:  $\frac{1}{2}$  Sec. 34

Ext. All Sec. 22 & 27;  $\frac{1}{2}$  Sec. 28;  $\frac{1}{2}$  Sec. 34 (R-71)

Ext.  $\frac{1}{2}$  Sec. 35 (R-113, 11-20-51) =  $\frac{1}{2}$  Sec. 10; All Sec. 15 (R-142)

=  $\frac{SW}{4}$  Sec. 11;  $\frac{W}{2}$  Sec. 14;  $\frac{W}{2}$  Sec. 23;  $\frac{W}{2}$  Sec. 26 (R-197)

=  $\frac{1}{2}$  Sec. 2;  $\frac{N}{2}$  &  $\frac{SE}{4}$  Sec. 11 (R-236) =  $\frac{1}{2}$  Sec. 33 (R-286)

=  $\frac{W}{2}$  Sec. 33 (R-407) =  $\frac{SW}{4}$  Sec. 28;  $\frac{SE}{4}$  Sec. 29 (R-1397, 6-1-59)

=  $\frac{SE}{4}$  Sec. 9 (R-1700, 7-1-60) =  $\frac{SE}{4}$  Sec. 32 (R-1797, 11-1-60)

=  $\frac{SE}{4}$  Sec. 21 (R-1999, 7-1-61) =  $\frac{NE}{4}$  Sec. 16 (R-2241, 6-1-62) =  $\frac{SW}{4}$  Sec. 21,

(R-2306, 8-15-62). CONTRACTION OF VERT. LIMITS TO 9195' TO 10,705' & REDDISEG

(R-6449, 9-1-80) Ext.  $\frac{NE}{4}$  Sec. 32 (R-6838, 11-8-81)

Ext. Sec. 21 NE  $\frac{1}{4}$  (R-7076, 9-27-82) Ext.  $\frac{NW}{4}$  Sec. 21 (R-7248, 3-30-83)

Ext.  $\frac{SE}{4}$  Sec. 16,  $\frac{NW}{4}$  Sec. 28 (R-6536, 12-11-80)

Ext.  $\frac{SW}{4}$  Sec. 9,  $\frac{SW}{4}$  Sec. 16,  $\frac{SE}{4}$  Sec. 17 (R-7279, 5-17-83)

Delete  $\frac{SE}{4}$  Sec. 17 (R-7322, 8-1-83) Ext.  $\frac{NW}{4}$  Sec. 16,  $\frac{NE}{4}$  Sec. 20 (R-7396, 12-8-83)

Ext.  $\frac{NW}{4}$  Sec. 13,  $\frac{NE}{4}$  Sec. 14 (R-7763, 1-8-85)

SAUNDERS  
PERMIAN UPLIFT REAR

Lea

POOL

Saunders

Upper  
(Permo-P.E.)

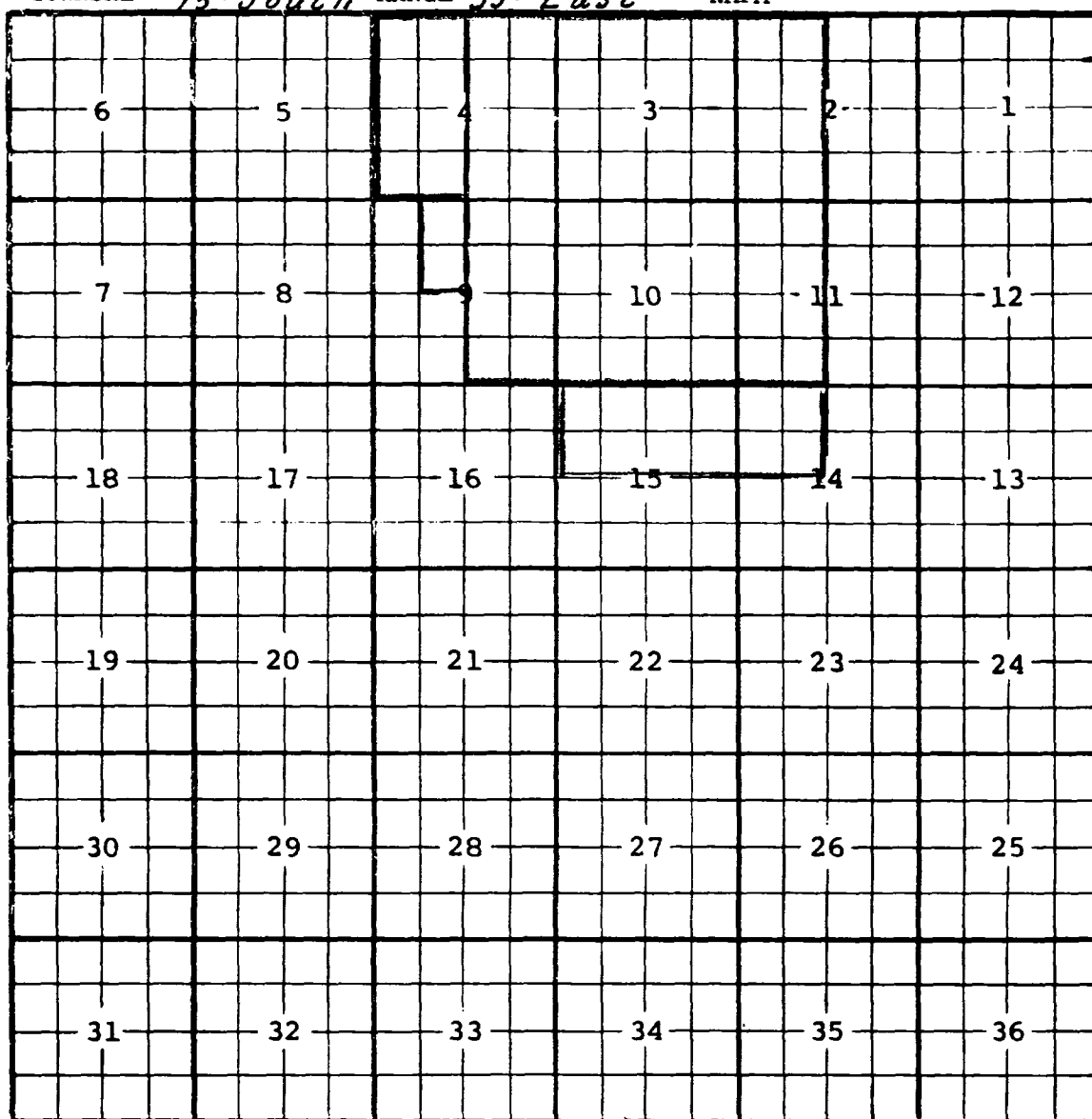
TOWNSHIP

15-South

RANGE

33- East

NM PM



Description:  $\frac{N}{2}$  Sec. 3.

Ext:  $\frac{5}{2}$  Sec. 3, (R-71, 4-30-51). -  $\frac{W}{2}$  Sec. 2;  $\frac{E}{2}$  Sec. 4;  $\frac{N}{2}$  Sec. 10, (R-113, 11-20-51). -  $\frac{E}{2}$  Sec. 9;  $\frac{S}{2}$  Sec. 10;  $\frac{W}{2}$  Sec. 11, (R-197, 10-20-52). -  $\frac{NW}{4}$  Sec. 4, (R-286, 3-10-53). -  $\frac{SW}{4}$  Sec. 4, (R-328, 6-10-53). -  $\frac{E}{2}$   $\frac{NW}{4}$  Sec. 9 (R-3895, 1-1-70)

Ext: NW 1/4 Sec. 14, N 1/2 Sec. 15 (R-7307, 6-14-83)