

COUNTY Eddy

POOL LOGAN DRAW - ATOICA GAS

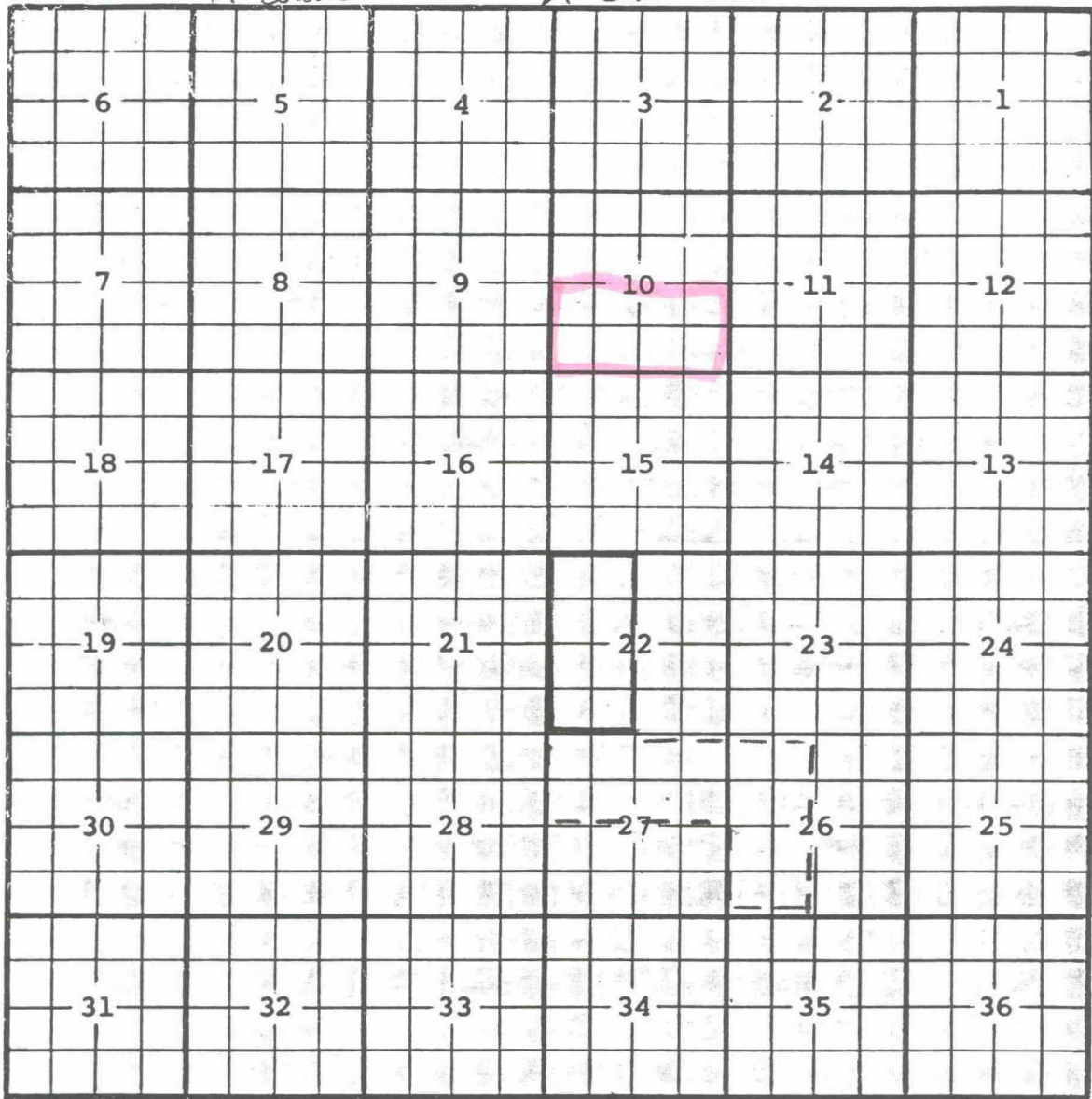
TOWNSHIP

17 South

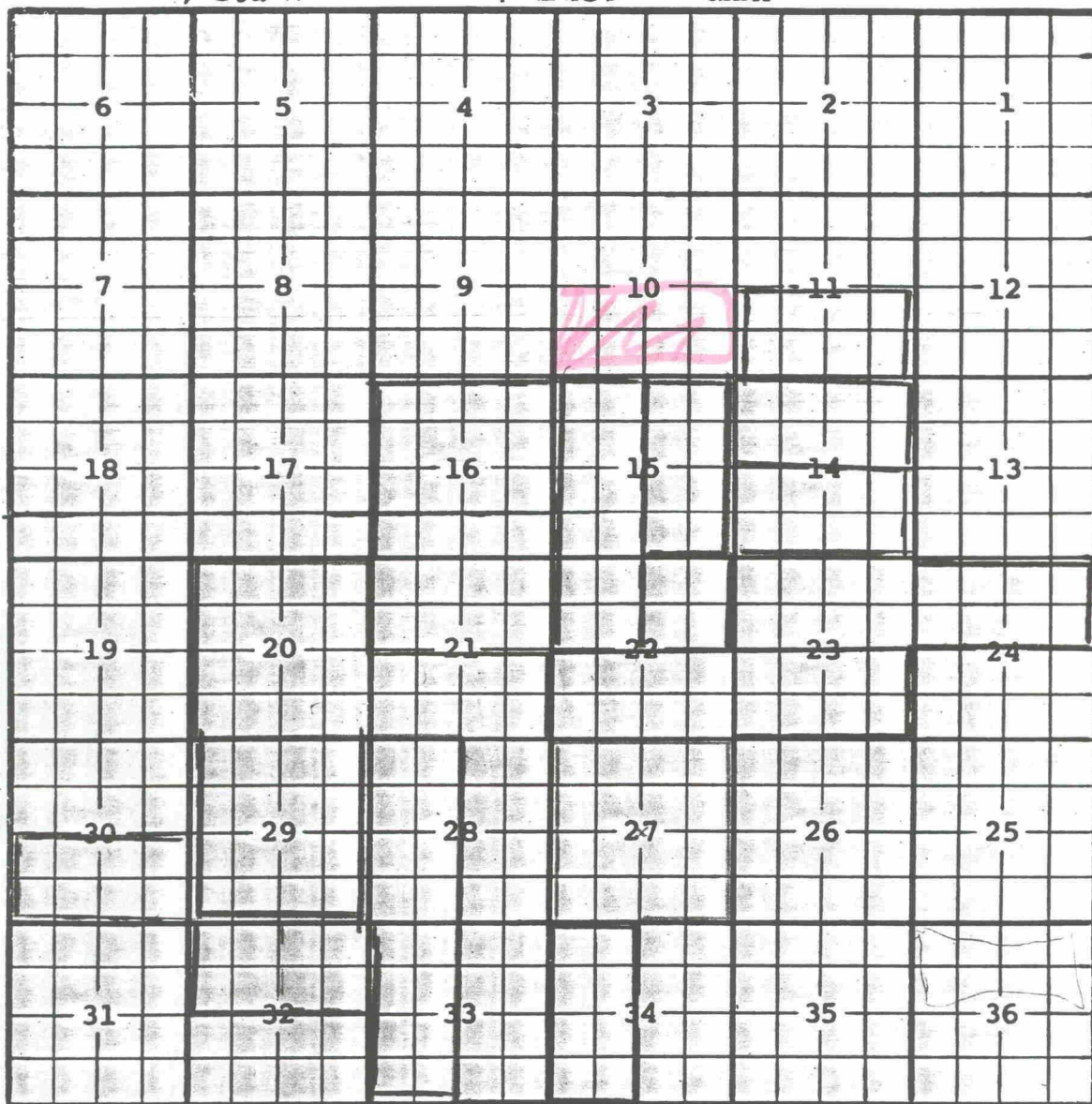
RANGE

27 East

NMPM

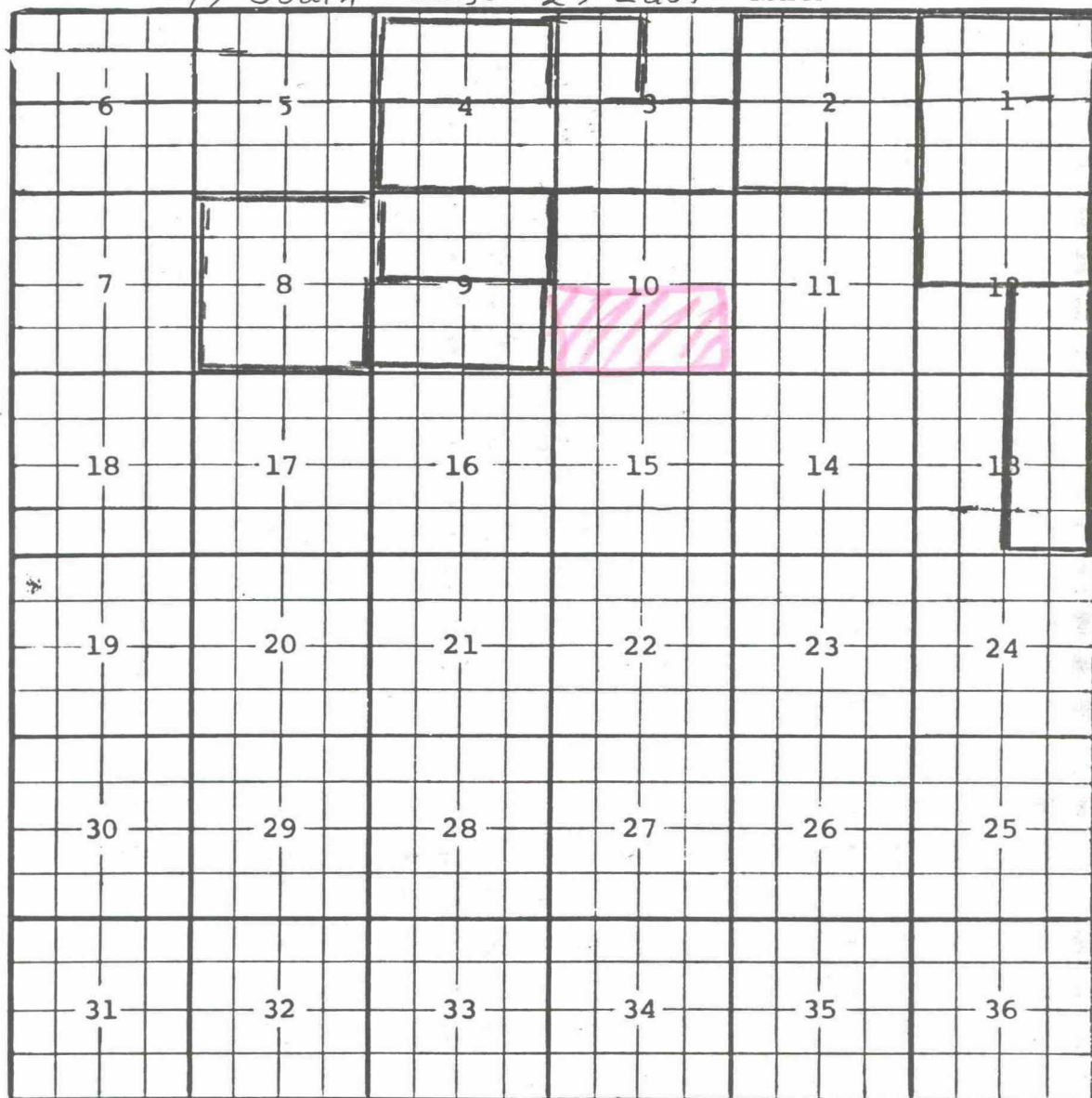


Description: 1/2 Sec. 22 (R-6328, 5-1-80)

COUNTY Eddy POOL Logan Draw - Morrow GasTOWNSHIP 17 South RANGE 27 East NMPMDescription: $\frac{1}{2}$ Sec. 34 (R-3758, 6-1-69)Ext: All Sec. 27 (R-4734, 3-1-74) Ext: All Sec. 20, $\frac{1}{2}$ Sec. 21, $\frac{1}{2}$ Sec. 28, $\frac{1}{2}$ Sec. 33 (R-6328, 5-1-80) Ext: All Sec. 29 (R-10619, 7-2-96)Ext: $\frac{1}{2}$ Sec. 28, $\frac{1}{2}$ Sec. 33 (R-10787, 4-9-97)Ext: $\frac{1}{2}$ Sec. 32 (R-10822, 6-16-97) Ext: $\frac{1}{2}$ Sec. 22, $\frac{1}{2}$ Sec. 23 (R-10844, 7-16-97)Ext: $\frac{1}{2}$ Sec. 15, $\frac{1}{4}$ Sec. 22 (R-11013, 7-30-98) Ext: $\frac{1}{2}$ Sec. 15 (R-11120, 1-21-99)Ext: $\frac{1}{2}$ Sec. 14, $\frac{1}{4}$ Sec. 22 (R-11160, 4-7-99) Ext: $\frac{1}{2}$ Sec. 14 (R-11172, 5-5-99)Ext: $\frac{1}{2}$ Sec. 30 (R-11203, 6-14-99) Ext: All Sec. 16, $\frac{1}{2}$ Sec. 21 (R-11256, 10-14-99)Ext: $\frac{1}{2}$ Sec. 23, $\frac{1}{2}$ Sec. 24 (R-11277, 11-15-99) Ext: $\frac{1}{2}$ Sec. 11 (R-11323, 2-10-00)

County Eddy Pool Crow Flats-Morrow Gas

TOWNSHIP 17 South Range 27 East NMPM



EXT: All sec 1, $N\frac{1}{2}$ sec 12 (R-6994, 5-28-82)

Ext: All Sec. 2 (R-7248, 3-30-83) Ext: $S\frac{1}{2}$ Sec. 3, $S\frac{1}{2}$ Sec. 4 (R-11013, 7-30-98)

Ext: $N\frac{1}{2}$ Sec. 4, $SE\frac{1}{4}$ Sec. 12, $E\frac{1}{2}$ Sec. 13 (R-11097, 12-10-98)

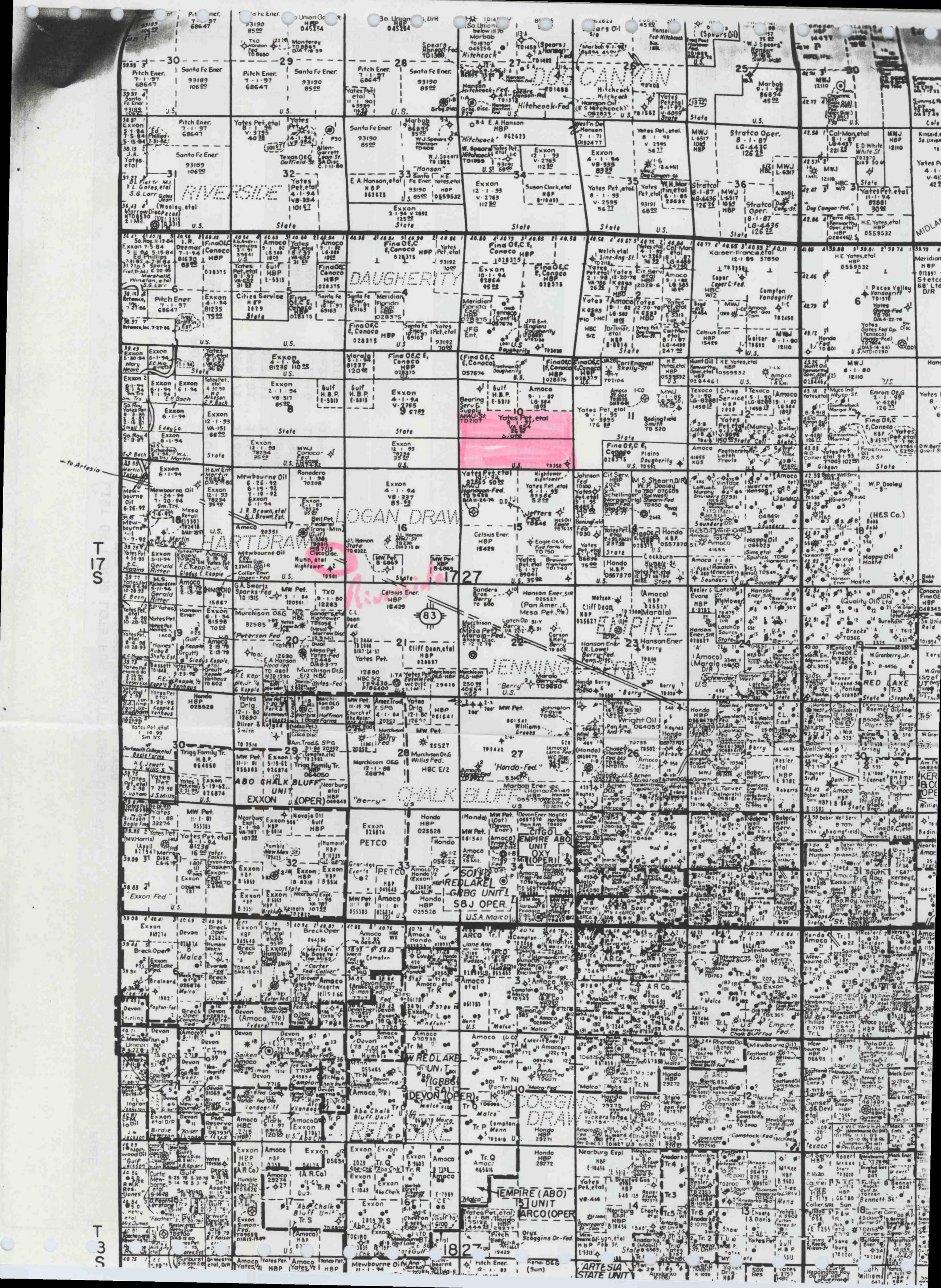
Ext: $N\frac{1}{2}$ Sec. 9 (R-11120, 1-21-99) Ext: All Sec. 8 (R-11220, 7-12-99)

Ext: $S\frac{1}{2}$ Sec. 9 (R-12263, 10-14-99) Ext: $NW\frac{1}{4}$ Sec. 3 (R-11323, 2-10-00)

County EDDY Pool Empire - GRAYBURG GAS
TOWNSHIP 17 South Range 27 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Designation: NE 1/4 Sec. 14 (R-6368, 7-1-80)



3/30/90

LIST OF LEASE LOTS FOR STATE PARKS DIVISION
FOR JULY 1989 THRU JUNE 1990

PAGE 9

CENTER NAME = 'CABALLO'

REPORT #LL001

LEASE LOT	RECEIPT NUMBER	DEPOSIT	AMOUNT	DESCRIPTION 1	MONTH	DAY	YEAR
HE017	059671	196019	373.00	RC-PAUL ROBERTSON	12	31	89
HE019	059681	196019	423.00	RC-BENNIE EADES	12	31	89
H0002	059243	190460	10.00	RC-W G JONES	09	30	89
H0006	061995	198933	423.00	RC-JOHNIE-SUE CARUTHERS	01	31	90
H0011	062203	198933	125.00	RC-JOSE GRAN	01	31	90
H0015	062210	198933	373.00	RC-GERALD BEATY	01	31	90
H0018	062248	199467	373.00	RC-W W WILSON	01	31	90
CENTER NAME TOTAL			18,813.00				

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION03/29/00 08:01:17
OGOMES -TPRY
PAGE NO: 2

Sec : 10 Twp : 17S Rng : 27E Section Type : NORMAL

L 40.00 CS V05214 0000 SOUTHWESTERN ENER 12/01/02	K 40.00 CS V05214 0000 SOUTHWESTERN ENER 12/01/02 A	J 40.00 CS V05214 0000 SOUTHWESTERN ENER 12/01/02	I 40.00 CS V05214 0000 SOUTHWESTERN ENER 12/01/02
M 40.00 Federal owned A	N 40.00 Federal owned	O 40.00 Federal owned	P 40.00 Federal owned

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION03/29/00 08:01:06
OGOMES -TPRY
PAGE NO: 1

Sec : 10 Twp : 17S Rng : 27E Section Type : NORMAL

D 40.00 Federal owned	C 40.00 Federal owned	B 40.00 Federal owned A	A 40.00 Federal owned
E 40.00 CS V05214 0000 SOUTHWESTERN ENER 12/01/02	F 40.00 CS E05313 0000 CHEVRON U S A INC 06/11/61	G 40.00 CS LG0584 0002 ALTURA ENERGY LTD 09/01/82	H 40.00 CS LG0584 0002 ALTURA ENERGY LTI 09/01/82

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD : ONGARD 03/29/00 08:02:22
OG6CLOG C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -TPRY

OGRID Identifier : 166111 CONCHO RESOURCES, INC.
Prop Identifier : 25421 HERMAN 10 FEDERAL
API Well Identifier : 30 15 30991 Well No : 001
Surface Locn - UL : M Sec : 10 Twp : 17S Range : 27E Lot Idn :
Multiple comp (S/M/C): N TVD Depth (Feet) : MVD Depth (Feet):
Spud Date : P/A Date :
Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ----
(inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0004: No matching record found. Enter data to create.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD : ONGARD 03/29/00 08:07:13
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPRY

OGRID Idn : 166111 API Well No: 30 15 30991 APD Status(A/C/P): A
Opr Name, Addr: CONCHO RESOURCES, INC. Aprvl/Cncl Date : 03-02-2000
110 W. LOUISIANA AVE
STE. 410

MIDLAND, TX 79701

Prop Idn: 25421 HERMAN 10 FEDERAL

Well No: 1

	U/L Sec	Township	Range	Lot Idn	North/South	East/West
Surface Locn : M	10	17S	27E		FTG 990 F S	FTG 660 F W
OCD U/L : M		API County :	15			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3397

State Lease No: Multiple Comp (Y/N) : N
Prpsd Depth : 9500 Prpsd Frmtn : LOGAN DRAW MORROW

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐			5. LEASE DESIGNATION AND SERIAL NO. NM-98811		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----		
2. NAME OF OPERATOR CONCHO RESOURCES, INC. (JIM BLOUNT) 915-683-7443			7. UNIT AGREEMENT NAME -----		
3. ADDRESS AND TELEPHONE NO. 110 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS 79702 (915-683-7443)			8. FARM OR LEASE NAME, WELL NO. HERMAN "10" FEDERAL # 1		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FSL & 660' FWL SEC. 10 T17S-R27E EDDY CO. NM At proposed prod. zone SAME			9. API WELL NO. 30-015-30991		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Approximately 11 miles Northeast of Artesia New Mexico.			10. FIELD AND POOL, OR WILDCAT LOGAN DRAW-MORROW		
13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 10 T17S-R27E		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3397' GR.			12. COUNTY OR PARISH Eddy		
18. NO. OF ACRES IN LEASE 320			13. STATE NM		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			22. APPROX. DATE WORK WILL START When Approved		
20. ROTARY OR CABLE TOOLS ROTARY					

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40'	Cement to surface with Redi-mix
17 1/2"	H-40 13 3/8"	48	400' 450'	450 Sx. Circulate to surface.
12 1/2"	J-55 8 5/8"	24	1800'	1000 Sx. " " "
7 7/8"	J-55, N-80 5 1/2"	15.5 & 17	9500'	1500 Sx. Use DV tool circulate

1. Drill 25" hole to 40'. Set 40' of 20" Conductor and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 400'. Run and set 400' of 13 3/8" H-40 48# ST&C casing. Cement with 450 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
3. Drill 12 1/2" hole to 1800'. Run and set 1800' of 8 5/8" J-55 24# ST&C casing. Cement with 1000 Sx. of Class "C" cement + 1/2# flocele/Sx. + 2% CaCl, circulate cement to surface.
4. Drill 7 7/8" hole to 9500'. Run and set 9500' of 5 1/2" casing as follows: 1800' of 17# N-80 LT&C, 6000' of 15.5# J-55 LT&C, 1700' of 17# N-80 LT&C casing. Cement 1st stage with 900 Sx. of Class "H" Premium Plus + additives, 2nd stage with 600 Sx. of Class "C" + additives, circulate cement to surface.

Notify OCD at SPUD & TIME
to witness cementing the
13 3/8" casing.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or open directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Joe T. Janice TITLE Agent DATE 01/04/00

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) ARMANDO A. LOPEZ

Acting

Assistant Field Manager,
Lands And Minerals

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

e 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within the jurisdiction

DISTRICT I
P.O. Box 1240, Hobbs, NM 88241-1900

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 80400	Pool Name LOGAN DRAW-MORROW
Property Code	Property Name HERMAN "10" FEDERAL	Well Number 1
OGRID No. 166111	Operator Name CONCHO RESOURCES, INC	Elevation 3397

Surface Location

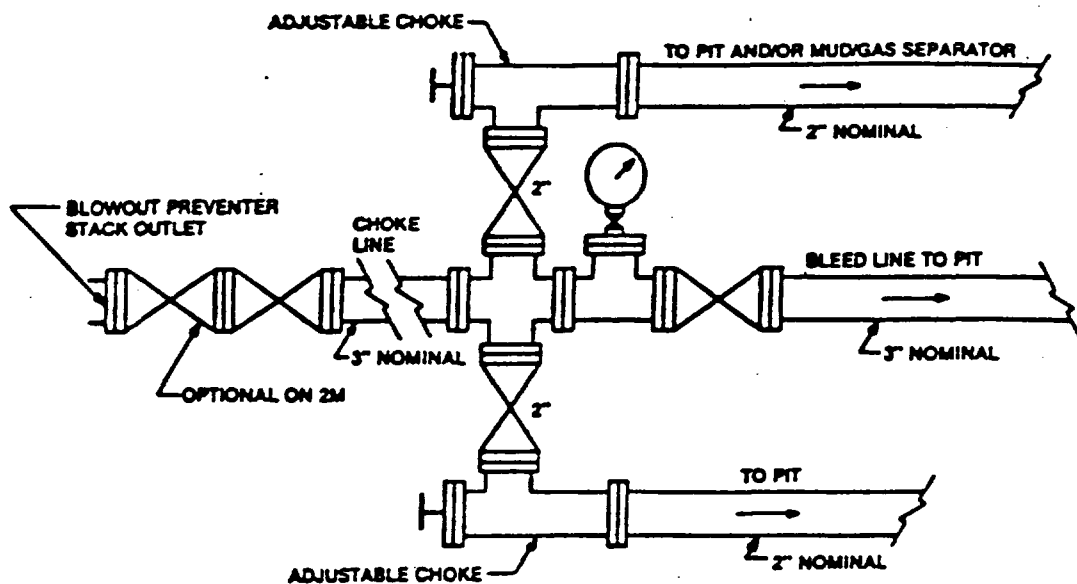
UL or lot No. M	Section 10	Township 17 S	Range 27 E	Lot Idn	Feet from the 990	North/South line SOUTH	Feet from the 660	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 01/04/00 Date	
				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 belief. DECEMBER 13, 1999 Date Surveyed Signature & Seal of Professional Surveyor Certificate No. RONALD J. EDSON 3239 CARY EDSON 12641 CARMON McDONALD 12135	



Typical choke manifold assembly for 3M WP system

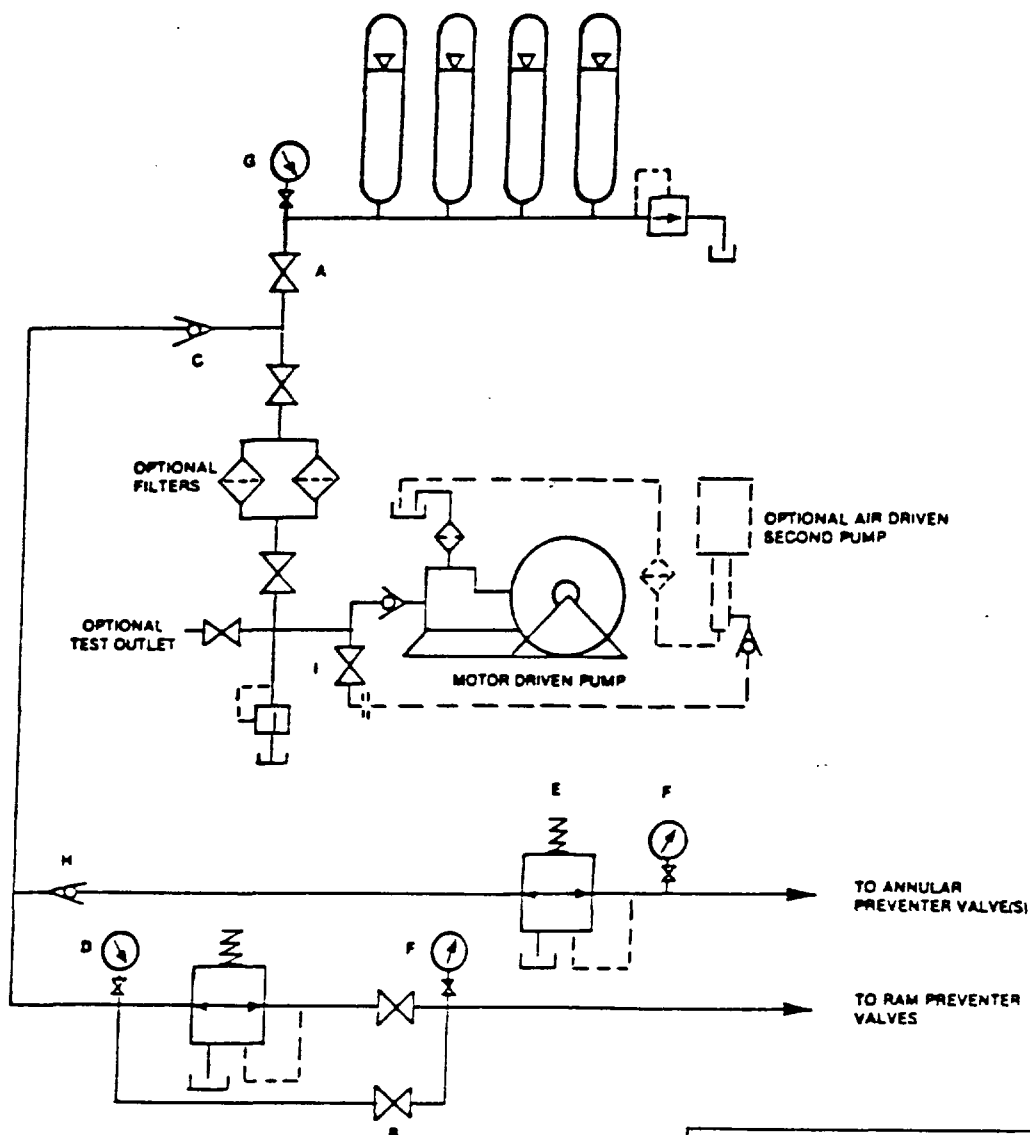


EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

CONCHO RESOURCES, INC.
HERMAN "10" FEDERAL # 1
UNIT "M" SECTION 10
T17S-R27E FDDY CO. NM