

County Eddy Pool Willow Lake-Delaware

TOWNSHIP 25 South

Range 28 East

NMPM

6	5	4	3	2			
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		

Ext: ^{NE}/₄ Sec. 1 (R-10159, 7-26-94) Ext: ^{SE}/₄ Sec. 1 (R-10187, 9-6-94)

Ext: ^{NW}/₄ Sec. 1 (R-10844, 7-16-97)

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION04/06/00 18:10:22
OGOMES -TPH3
PAGE NO: 1

Sec : 01 Twp : 25S Rng : 28E Section Type : NORMAL

4 40.14 Federal owned	3 40.10 Federal owned C C	2 40.06 Federal owned A	1 40.02 CS V03743 0000 YATES PETROLEUM C 06/01/96
E 40.00 Federal owned	F 40.00 Federal owned A C A	G 40.00 Federal owned A	H 40.00 CS V03743 0000 YATES PETROLEUM C 06/01/96 A

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

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/06/00 18:40:19
OGOMES -TPH3
PAGE NO: 2

Sec : 01 Twp : 25S Rng : 28E Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Federal owned	Federal owned	Federal owned C A	Fee owned
M 40.00	N 40.00	O 40.00	P 40.00
Federal owned	Federal owned	Federal owned	Fee owned

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2934

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

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

Form 3160-3
(July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

019

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

154903

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

St. Mary Land and Exploration Co.

3. ADDRESS AND TELEPHONE NO.

c/o Coastal Mgmt Corp. P.O. Box 2728 Midland, TX 79707

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

At surface

850 FNL & 1500 FWL

At proposed prod. zone

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

5 miles South/Southeast of Malaga, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

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

660

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

1320

19. PROPOSED DEPTH

5100'

20. ROTARY OR CABLE TOOLS

Rotary

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

2932 GL

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	550 ±	310 sxs Class "C"
7-7/8"	5-1/2"	15.5#	5100 ±	1535 sxs Class "C"

Pre-set conductor casing as necessary to preclude sloughing/caving of surface materials. Drill 12-1/4" hole to 550-575' w/FW mud. Run 8-5/8" casing and cement to surface. Install BOP stack consisting of 2 rams, and a bag type annular, test to WP before drilling out. Drill 7-7/8" hole to 4700'± w/10# brine. RU mud logger, mud up to control water loss, drill thru Gemstone and "C" sands of Brushy Canyon (Delaware) sandstone. Run electric logs, and if appropriate run 5-1/2" casing to TD and cement to surface using multiple stage cementing tool if required.

IN 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 deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Otto Svendsen

TITLE Operations Engineer

DATE 12/1/99

(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:

Acting

(ORIG. SGD.) ARMANDO A. LOPEZ

Assistant Field Office Manager,

APPROVED BY

TITLE

Lands and Minerals

DATE

NOV 03 1999

APPROVED FOR 1 YEAR

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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 88211-0710

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	Pool Name
	64453	Willow Lake Delaware
Property Code	Property Name	Well Number
20371	HOPI FEDERAL	2
OGRID No.	Operator Name	Elevation
154903	COASTAL MANAGEMENT CORP.	2936

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	1	25 S	28 E		850	NORTH	1500	WEST	EDDY

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	Joint or Infill	Consolidation Code	Order No.						
40									

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

LOT 4	LOT 3	LOT 2	LOT 1
OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Renee' Lawrence Printed Name Regulatory Specialist Title 10/1/99 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. SEPTEMBER 24, 1999 Date Surveyed DMCC Signature Professional Surveyor 3239 9-27-99 Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 PROFESSIONAL SURVEYOR EIDSON 12641			

Coastal Management Corp.

Hopi Federal 2

Eddy Co, N.Mx

BOP

Plan

11 inch 3000 Psi

Hydraulic
closing unit connect

Bag type annular

Hydraulic
closing unit connect

Pipe rams

Blind rams

Kill spool

Steele manifold

Valve

Bradenhead

Valve

8 5/8 surface casing

GI

Cement

conductor pipe

46 0660

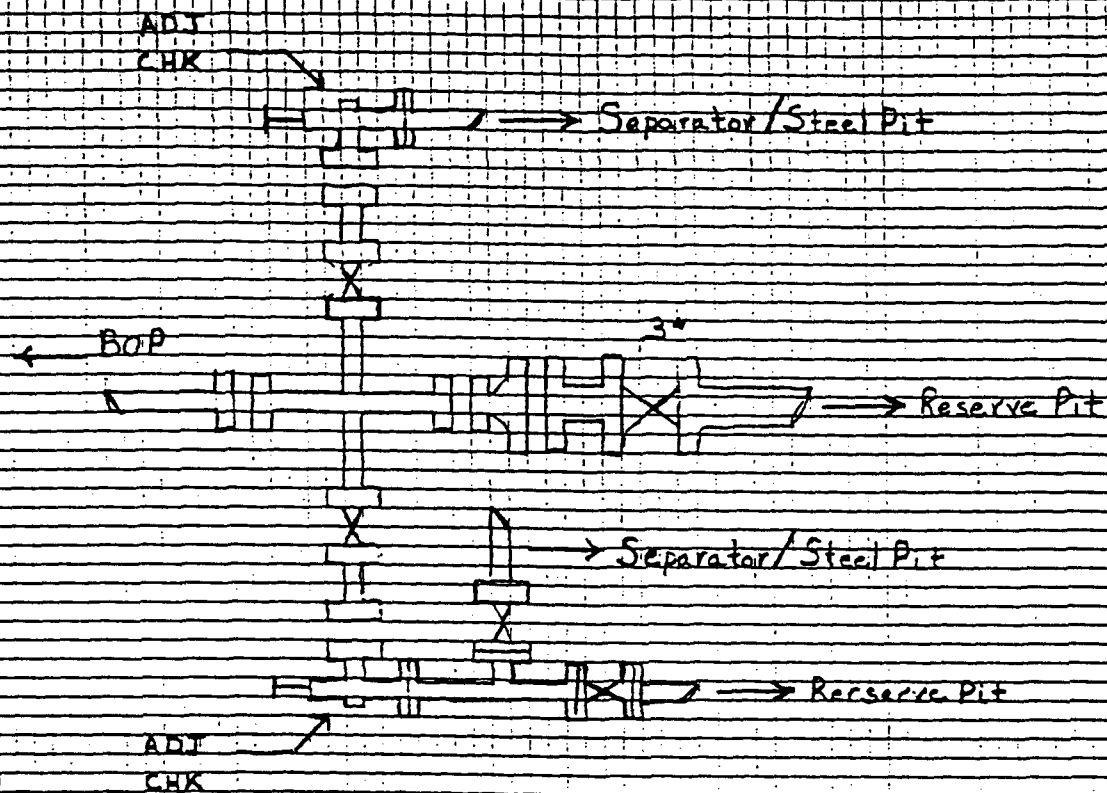
K&E 10 X 10 TO THE INCH = 1 X 10 FEET
ALUMINUM & BRASS CO. MADE IN U.S.A.

Coastal Management Corp.
 Hope Federal 2
 Eddy Co., N.M.

Choke Manifold

2" X 3"

3K PSI



46 0660

K-E
 10 X 10 TO THE INCH • / X 10 INCHES
 KUFFEL & ESSER CO. MADE IN U.S.A.