

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-101
Revised March 17, 1999Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chesapeake Operating, Inc. P. O. Box 18496 Oklahoma City, OK 73154-0496		² OGRID Number 147179
³ API Number 30-025-36132		⁶ Well No. 1
⁴ Property Code 31898	⁵ Property Name Eidson State Com	

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	8	17S	35E		1235	North	970	East	Lea

⁸ Proposed 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

⁹ Proposed Pool 1

Vacuum Atoka Morrow North Gas

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code O/G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3988'
¹⁶ Multiple N	¹⁷ Proposed Depth 13,000'	¹⁸ Formation Morrow	¹⁹ Contractor Timber-Sharp	²⁰ Spud Date 03/31/03

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8	48#	500'	500	Surf
11"	8-5/8	32#	4,750'	1400	Surf
7-7/8	5-1/2	17#	13,000'	1100	4,200'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

Chesapeake proposes to drill to a TD of 13,000 in the Morrow formation with Timber-Sharp as the drilling contractor.

BOP consists of 11" 5M# blind & pipe rams & 11" 5M# Annular (See Schematic)

Permit Expires 1 Year From Approval
Date Unless Drilling Underway²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Barbara J. Bale

Printed name: Barbara J. Bale

Title: Regulatory Analyst

Date: 01/24/03

Phone: (405)848-8000

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY
PAUL F. KAUTZ

Title:

PETROLEUM ENGINEER

Approval Date:

JAN 27 2003

Expiration Date:

Conditions of Approval:

Attached ☐3
C
A

mP

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 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-36132	Pool Code 86800	Pool Name Vacuum Atoka Morrow North Gas
Property Code 31898	Property Name EIDSON ST. COM.	Well Number 1
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3988'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	8	17-S	35-E		1235	NORTH	970	EAST	LEA

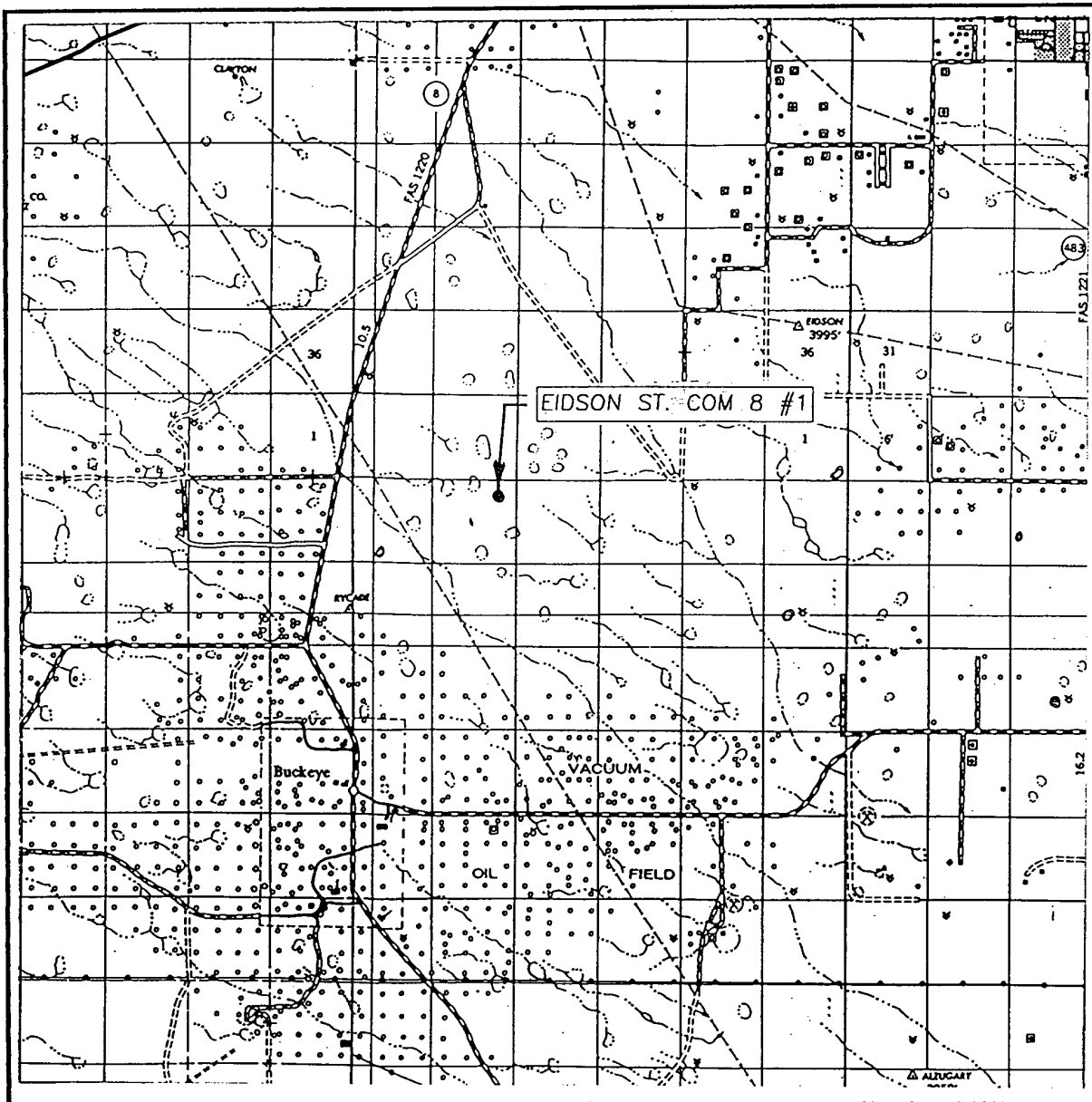
Bottom Hole Location If Different From Surface

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

<div><p>1235'</p><p>970'</p><p>GEODETIC COORDINATES NAD 27 NME Y = 675236.1 X = 763895.2 LAT. 32°51'12.08"N LONG. 103°28'26.41"W</p></div>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Barbara J. Bale</i> Signature</p> <p>Barbara J. Bale Printed Name</p> <p>Regulatory Analyst Title</p> <p>01/24/03 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JANUARY 22, 2003</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Ronald J. Eidson</i> 03.11.0104</p> <p>Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 8 TWP. 17-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1235' FNL & 970' FEL

ELEVATION 3988'

OPERATOR CHESAPEAKE OPERATING, INC.

LEASE EIDSON ST. COM 8

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

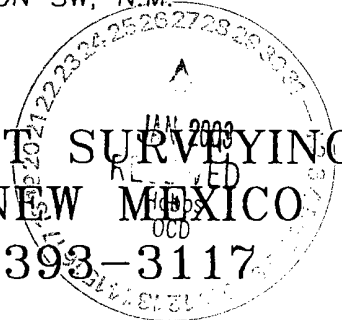


[illegible]

CONTOUR INTERVAL: 5'
LOVINGTON SW, N.M.

U.S.G.S. TOPOGRAPHIC MAP
LOVINGTON SW, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



BLOWOUT PREVENTOR SCHEMATIC

CHESAPEAKE OPERATING INC

WELL : EIDSON STATE COM 1-8

FIELD :

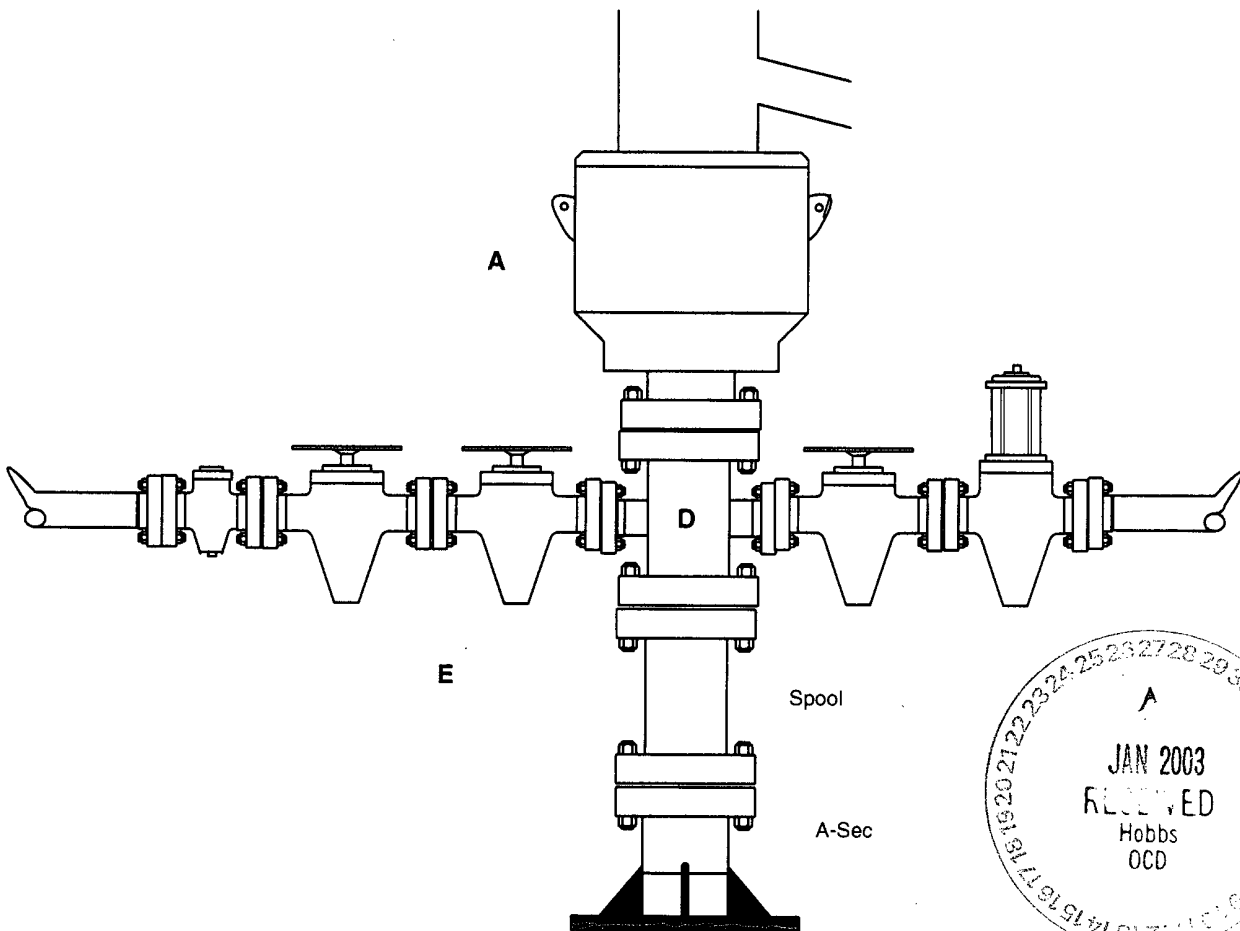
RIG : TMB/SHRP

COUNTY : Lea

STATE: New Mexico

OPERATION: Drill out below 13-5/8" Casing

SIZE		PRESSURE	DESCRIPTION
A	13-5/8"	5,000#	Annular
D	13-5/8"	10,000#	Mud Cross
Spool		13-5/8" 3M x 13-5/8" 10M	
A-Sec		13-5/8" SOW x 13-5/8" 3M	



Kill Line

SIZE	PRESSURE	DESCRIPTION
2"	10,000#	Check Valve
2"	10,000#	Gate Valve
2"	10,000#	Gate Valve

Choke Line

SIZE	PRESSURE	DESCRIPTION
4"	10,000#	Gate Valve
4"	10,000#	HCR Valve

BLOWOUT PREVENTOR SCHEMATIC

CHESAPEAKE OPERATING INC

WELL : EIDSON STATE COM 1-8

FIELD :

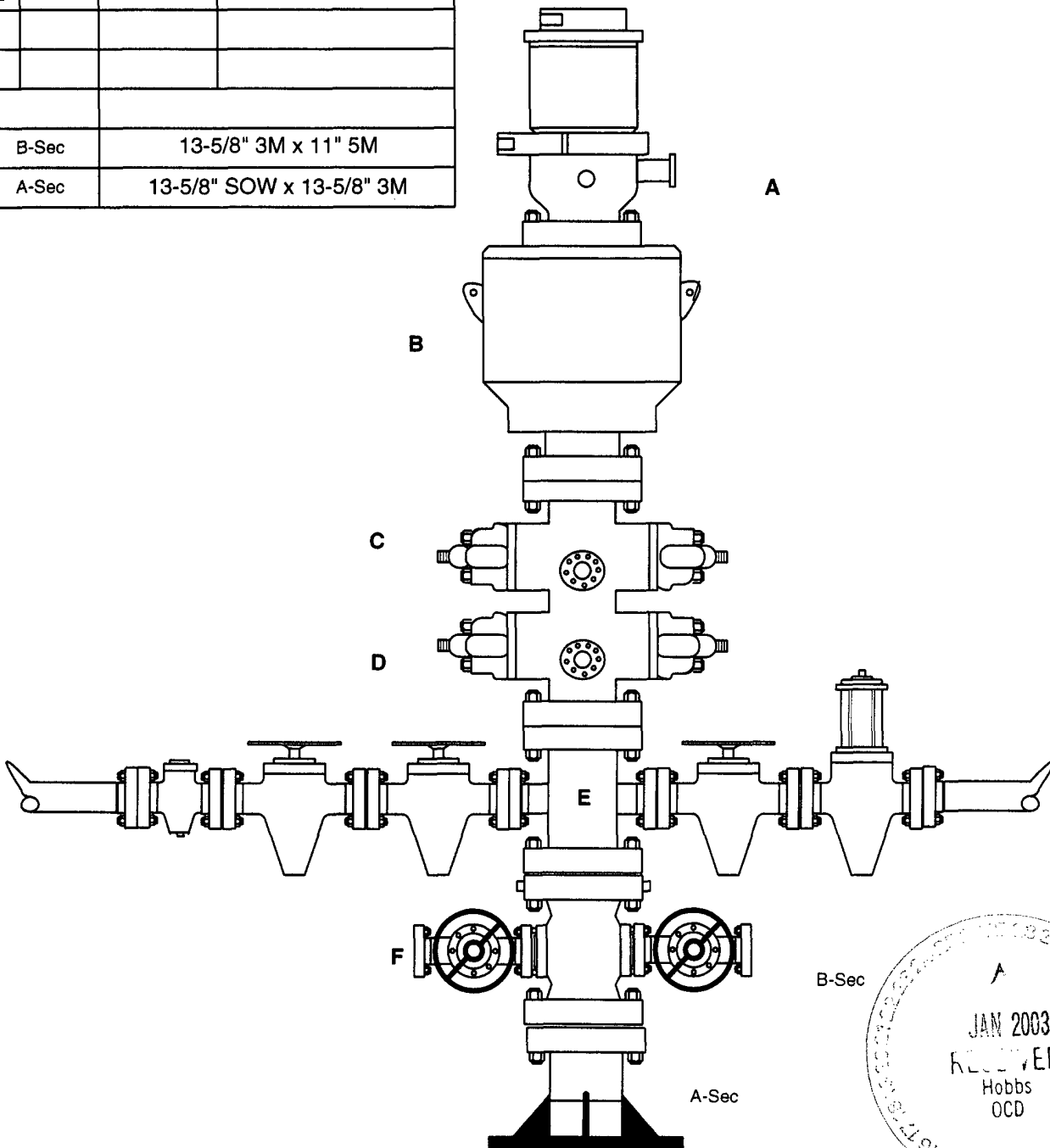
RIG : TMB/SHRP

COUNTY : Lea

STATE: New Mexico

OPERATION: Drill out below 8-5/8" Casing

	SIZE	PRESSURE	DESCRIPTION
A	11"	500#	Rot Head
B	11"	5,000#	Annular
C	11"	5,000#	Pipe Rams
D	11"	5,000#	Blind Rams
E	11"	5,000#	Mud Cross
B-Sec		13-5/8" 3M x 11" 5M	
A-Sec		13-5/8" SOW x 13-5/8" 3M	



Kill Line

Choke Line

SIZE	PRESSURE	DESCRIPTION
2"	5,000#	Check Valve
2"	5,000#	Gate Valve
2"	5,000#	Gate Valve

SIZE	PRESSURE	DESCRIPTION
4"	5,000#	Gate Valve
4"	5,000#	HCR Valve