

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 1994  
Instructions on back  
Submit 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

Operator Name and Address. Chesapeake Operating, Inc. P. O. Box 54525 Oklahoma City, OK 73154-1525		OGRID Number 147179
Property Code 17432	Property Name SHAW 15	API Number 30-025-33178
		Well No. 2-18

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	17S	37E		2100'	North	2310	East	Lea

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
Proposed Pool 1 Humble City Strawn					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 3,753'
Multiple	Proposed Depth 11,600'	Formation Atoka Shale	Contractor Anadarko	Spud Date 11-15-95

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#	400'	440	Surface
12-1/4"	8-5/8"	28 - 32#	4,500'	1930	Surface
7-7/8"	5-1/2"	20#	11,600'	1 <sup>st</sup> Stage 430 sk -	11,600' - 8,500'
				2 <sup>nd</sup> Stage 490 sk	8,500' - 4,500'
DV Tool @ 8500'					

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 Operating purposes to drill to 11,600' T.D. in the Atoka Shale with Anadarko Rig #9 as the drilling contractor.

Anadarko Drilling's BOP stack consists of 11"x5000# Camron Double with 5000# Hydrill Annular Preventor.

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

R-10502 nsh

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

Signature:

Printed name:

Title:

Date:

Phone:

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

NOV 15 1995

10-26-95

(405)840-3000

# C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD

9 and 10 The proposed pool(s) to which this well is being drilled.

- 11 Work type code from the following table:  
N New well  
E Re-entry  
D Drill deeper  
P Plugback  
A Add a zone

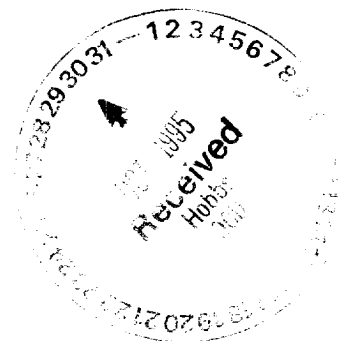
- 12 Well type code from the following table:  
O Single oil completion  
G Single gas completion  
M Multiple completion  
I Injection well  
S SWD well  
W Water supply well  
C Carbon dioxide well

- 13 Cable or rotary drilling code  
C Propose to cable tool drill  
R Propose to rotary drill

- 14 Lease type code from the following table:  
F Federal  
S State  
P Private  
N Navajo  
J Jicarilla  
U Ute  
I Other Indian tribe

- 15 Ground level elevation above sea level
- 16 Intend to multiple complete? Yes or No
- 17 Proposed total depth of this well

- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.



## 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 <b>30-025-33178</b>	Pool Code <b>33490</b>	Pool Name <b>Humble City-Strawn</b>
Property Code <b>17932</b>	Property Name <b>SHAW "15"</b>	Well Number <b>2</b>
OGRID No. <b>147179</b>	Operator Name <b>CHESAPEAKE OPERATING INC.</b>	Elevation <b>3758</b>

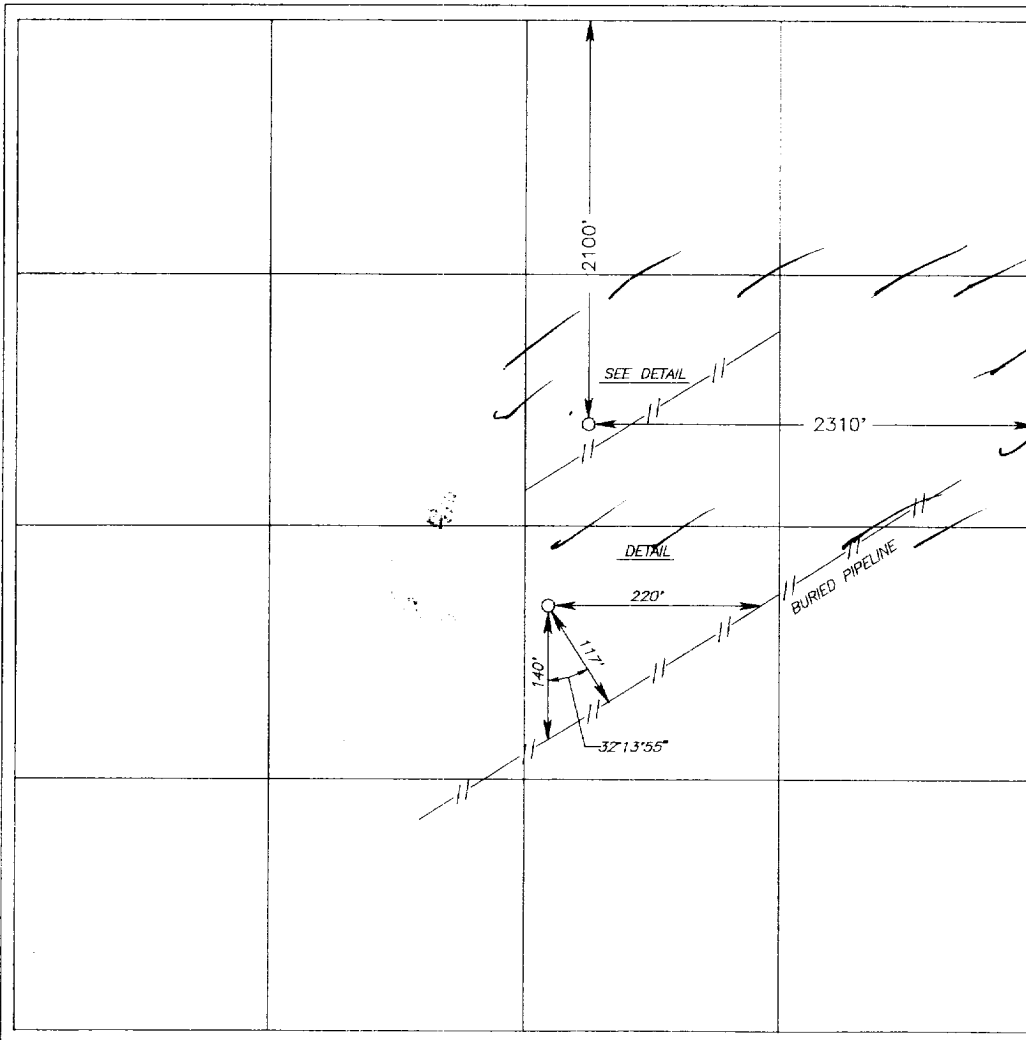
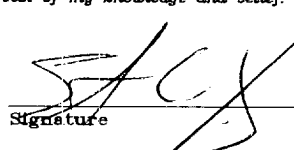
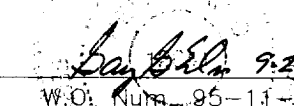
## Surface Location

UL or lot No. <b>G</b>	Section <b>15</b>	Township <b>17 S</b>	Range <b>37 E</b>	Lot Idn	Feet from the <b>2100</b>	North/South line <b>NORTH</b>	Feet from the <b>2310</b>	East/West line <b>EAST</b>	County <b>LEA</b>
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## Bottom Hole Location If Different From Surface

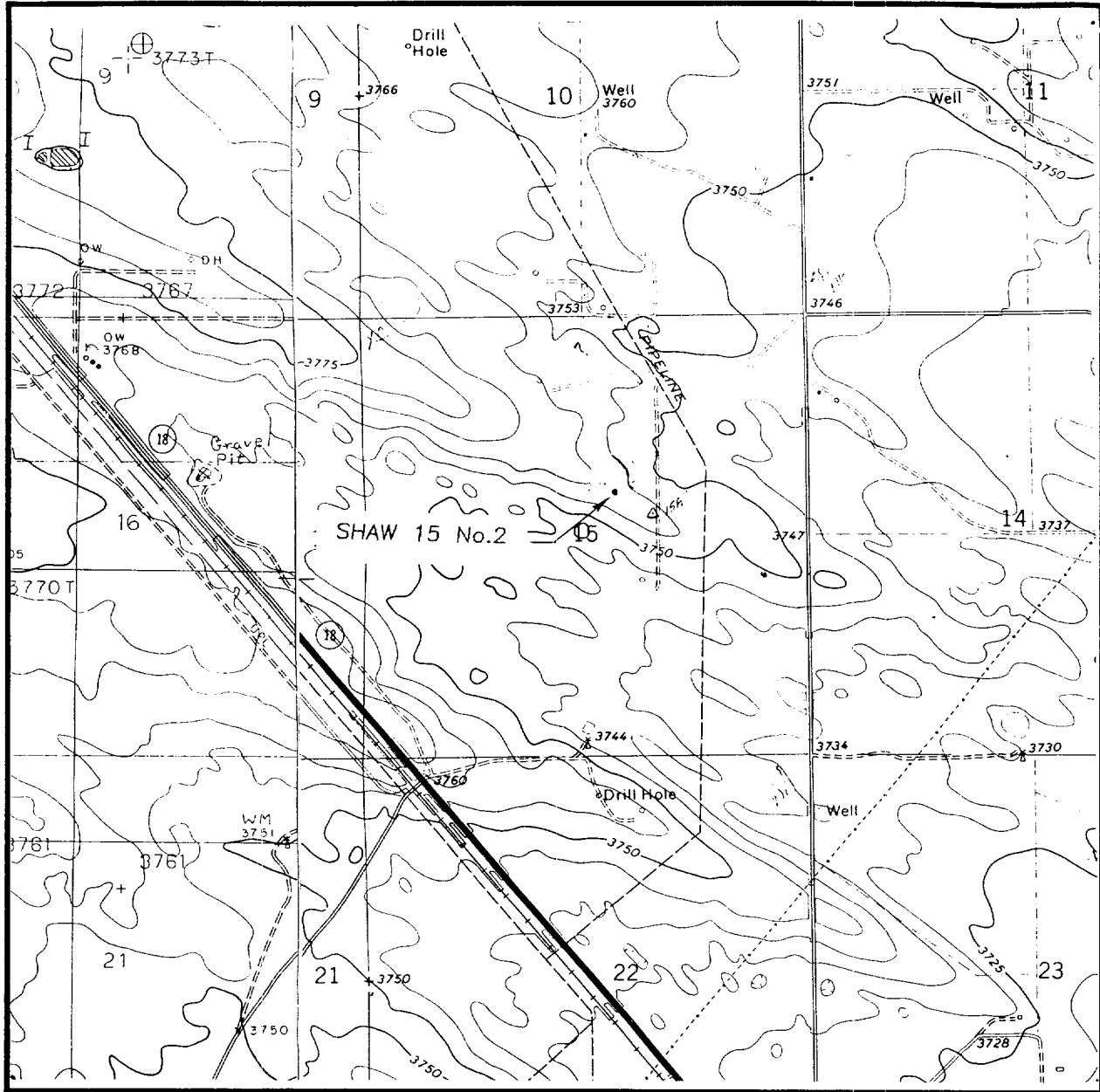
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>80</b>	Joint or Infill	Consolidation Code	Order No.						

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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature  <b>Steve C. Dixon</b> Printed Name  <b>Vice President-Tx Operations</b> Title  <b>October 26, 1995</b> Date
	<b>SURVEYOR CERTIFICATION</b>  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.  <b>SEPT. 22, 1995</b> Date Surveyed  Signature & Seal of Professional Surveyor   <b>John W. West</b> W.O. Num. 95-11-1430  Certificate No. <b>JOHN W. WEST 676</b> <b>RONALD J. EIDSON 3239</b> <b>GARY EIDSON 12641</b>



# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
HUMBLE CITY NW - 5'

SEC. 15 TWP. 17-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2100' FNL & 2310' FEL

ELEVATION 3758

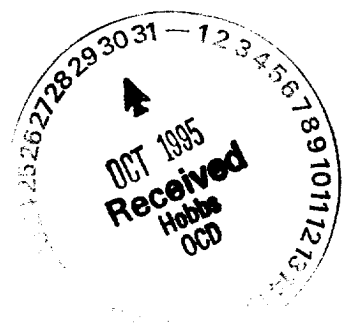
OPERATOR CHESAPEAKE OPERATING, INC.

LEASE SHAW "15"

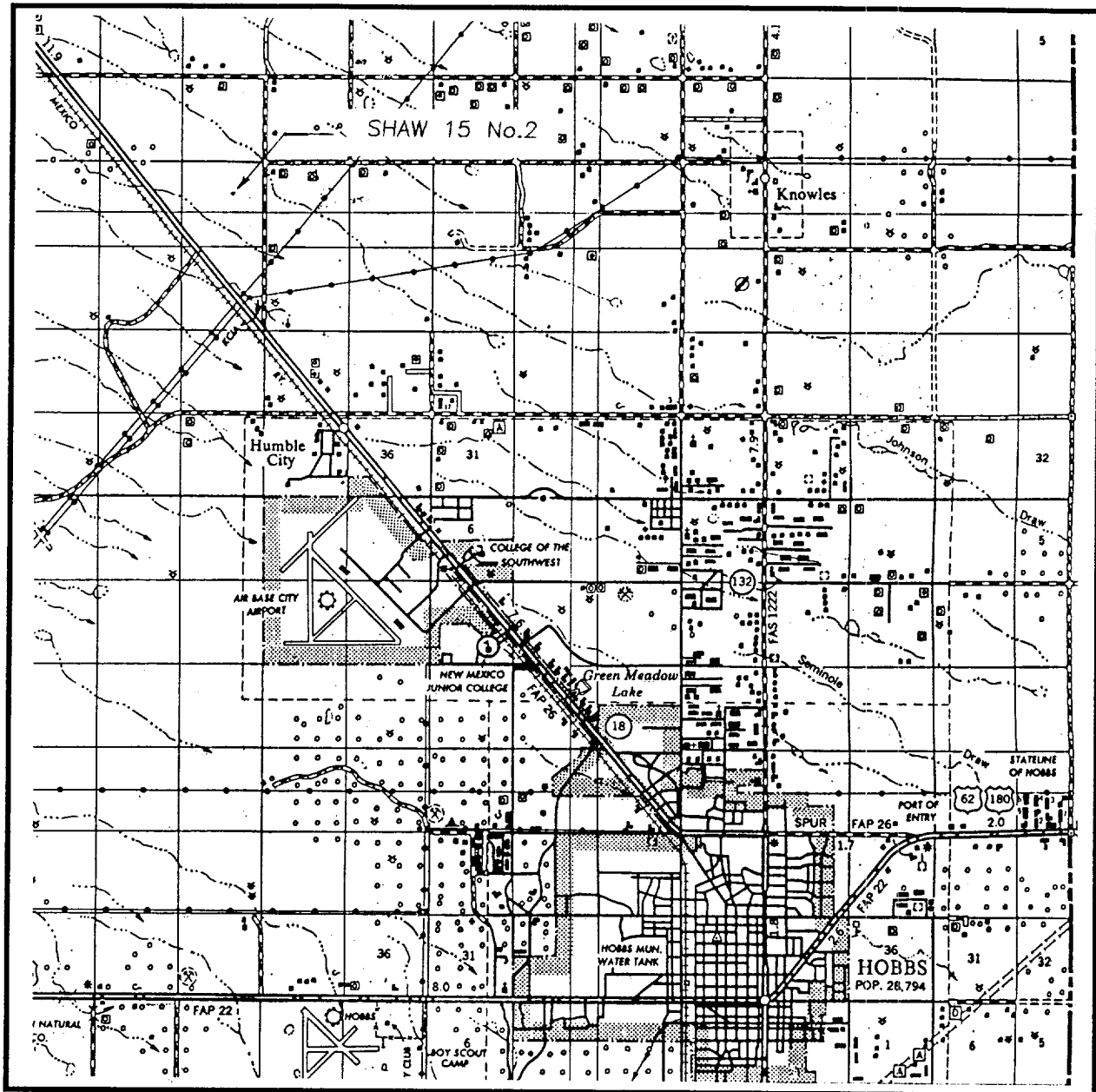
U.S.G.S. TOPOGRAPHIC MAP

HUMBLE CITY

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



# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 15 TWP. 17-SRGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2100' FNL & 2310' FEL

ELEVATION 3758

OPERATOR CHESAPEAKE OPERATING INC.

LEASE SHAW "15"

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

