

NSL 6/12/97

**KELLAHIN AND KELLAHIN**

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

TELEPHONE (505) 982-4285  
TELEFAX (505) 982-2047

W. THOMAS KELLAHIN\*

\*NEW MEXICO BOARD OF LEGAL SPECIALIZATION  
RECOGNIZED SPECIALIST IN THE AREA OF  
NATURAL RESOURCES-OIL AND GAS LAW

JASON KELLAHIN (RETIRED 1991)

May 27, 1997

**HAND DELIVERED**

Mr. Michael E. Stogner  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87501

RE: **Jess "19" Well No. 1**

~~Administrative Application of  
Chesapeake Oil Company for Approval  
of an Unorthodox Oil Well Location,  
Lea County, New Mexico~~

RECEIVED

MAY 28 1997

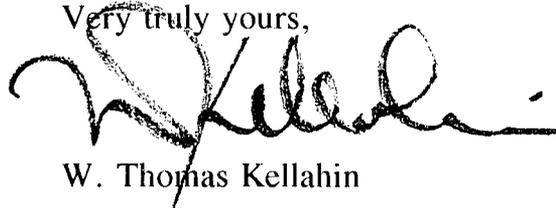
Oil Conservation Division

Dear Mr. Stogner:

On behalf of Chesapeake Oil Company, please find enclosed our administrative application for approval of an unorthodox oil well location for its Jess "19" Well No. 1 to be drilled 1,360 feet FWL and 1,650 feet FNL (Unit F) Section 19, T16S, R38E, Lea County, New Mexico, in and dedicated to a standard 40-acre oil proration and spacing unit consisting of the SE/4NW/4 of said Section 19 for oil production from all 40-acre oil pools including but not limited to the Devonian and Strawn formations.

Chesapeake Oil Company is the only offsetting operator/owner affected by this application and therefore no notice is required by the NMOCD rules.

Very truly yours,



W. Thomas Kellahin

fxc: Chesapeake Oil Company  
Attn: Mike Hazlip

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP-Non-Standard Production Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Post/Lease Commingling]
- [PC-Pool Commingling] [OLS-Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling
- NSL    NSP    DD    SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
- DHC    CTB    PLC    PC    OLS    OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
- WFX    PMX    SWD    IPI    EOR    PPR

RECEIVED

MAY 23 1997

Oil Conservation Division

NOTIFICATION REQUIRED TO: - Check Those Which Apply, or  Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Ronnie D. Ward  
Print or Type Name

*Ronnie D. Ward*  
Signature

Land Manager  
Title

5/27/97  
Date

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE ADMINISTRATIVE  
APPLICATION OF CHESAPEAKE OIL COMPANY  
FOR APPROVAL OF AN UNORTHODOX OIL WELL  
LOCATION, LEA COUNTY, NEW MEXICO

RECEIVED

MAY 23 1997

Oil Conservation Division

**ADMINISTRATIVE APPLICATION**

Comes now Chesapeake Oil Company, by and through its attorneys, Kellahin and Kellahin, and in accordance with Division General Rule 104.F applies to the New Mexico Oil Conservation Division for administrative approval of an unorthodox oil well location for its Jess "19" Well No. 1 to be drilled 1,650 feet from the North line and 1,360 feet from the West line (Unit F) Section 19, T16S, R38E, Lea County, New Mexico and dedicated to a standard 40-acre oil proration and spacing unit consisting of the SE/4NW/4 of said Section 19 for oil production from all 40-acre oil pools/formations including but not limited to the Devonian and Strawn formations and in support states:

(1) Chesapeake Oil Company ("Chesapeake") is the proposed operator of the subject well and is the working interest owner in the NW/4 of Section 19. **See Exhibit 1.**

(2) Chesapeake proposes to drill its Jess "19" Well No. 1 at an unorthodox oil well location 1,650 feet from the North line and 1,360 feet from the West Line of Section 19, T16S, R38E, NMPM, Lea County, New Mexico. **See Exhibit 2.**

(3) The subject well is to be drilled to test, among other things, the Devonian and Strawn formations in the which is subject to the statewide Rule 104 providing for standard well locations not closer than 330 feet to the boundary of the spacing unit.

(4) The subject well is encroaching towards offsetting spacing units operated by Chesapeake. **See Exhibit 1.**

**Administrative Application of  
Chesapeake Oil Company  
Page 2**

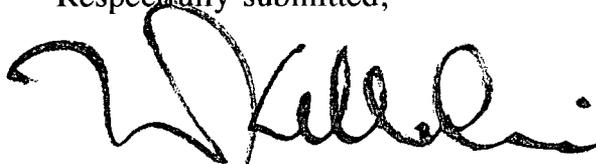
(5) For geologic reasons and based upon 3-D seismic interpretations, the subject well is to be drilled at an unorthodox well location so that it is located at the point of greatest potential structural height with reservoir characteristics not available at the closest standard location:

- (a) Geologic narrative, Exhibit 3
- (b) geologic structure map Exhibit 4
- (c) geologic cross section, Exhibit 5

(7) Chesapeake's geologic conclusion is that a well drilled at the closest standard location would place the well in an unfavorable position in the Devonian and Strawn formations which will substantially increase the risk of a non-commercial well while the proposed unorthodox well location has the best opportunity of encountering a productive reservoir.

WHEREFORE, Chesapeake Oil Company requests that this matter be approved administratively by the Division.

Respectfully submitted,



W. Thomas Kellahin  
Kellahin and Kellahin  
P.O. Box 2265  
Santa Fe, New Mexico 87504-2265  
(505) 982-4285  
Attorneys for Applicant

**CHESAPEAKE OPERATING, INC.**

P.O. BOX 18496  
OKLAHOMA CITY, OKLAHOMA 73154-0496  
405/848-8000, EXT. 416  
405/879-9560 FAX

LAND DEPARTMENT

MIKE HAZLIP, CPL  
LANDMAN

April 21, 1997

**VIA FACSIMILE (505) 393-0720 & FEDERAL EXPRESS**

Mr. Jerry Sexton  
1000 West Broadway  
Hobbs, New Mexico 88240

Re: Jess 1-19 location - Unorthodox Location  
1650' FNL & 1360 FWL Section 19-T16S-R38E  
Lea County, New Mexico

RECEIVED

MAY 27 1997

Oil Conservation Division

Dear Mr. Sexton:

Pursuant to my discussion with you this morning, enclosed is Chesapeake's Application for Permit to Drill, Form C-101, for our Jess 1-19 well to be drilled at the captioned location. Your office has indicated to us that this well will be drilled as a wildcat well, generally requiring that the location be 330' from the quarter quarter boundaries. While our location is 330' from the northern boundary, it is closer to the western boundary of the quarter quarter. Some time ago, our geologist discussed this matter with Mr. Stogner of the Santa Fe Office and was encouraged that under the circumstances, our location would probably present no real problems.

**Chesapeake owns 100% of the leases covering the entire NW/4 Section 19 and the mineral owners under lease to us are common throughout.** . A rig has just become available to us and in order to drill this well at the optimum geological location, we request that we be granted a permit to drill the captioned location and subsequently provide you with any other information necessary to satisfy your office as to the necessity of drilling this particular location. Additionally, given the size of the feature we are drilling and other technical considerations, our expectations are that this well may require a request to the OCD for an eighty acre proration unit.

In that ownership is common throughout the entire NW/4 and no other owners would be adversely affected by our location, we would appreciate your timely consideration of our request for permit to drill.

Most sincerely,

Mike Hazlip



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

<sup>1</sup> Operator Name and Address. Chesapeake Operating, Inc. P. O. Box 18496 Oklahoma City, OK 73154-0496		<sup>2</sup> OGRID Number
		<sup>3</sup> API Number 30 - 0
<sup>4</sup> Property Code	<sup>5</sup> Property Name JESS 19	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	16S	38E		1650'	North	1360'	West	LEA

<sup>8</sup> 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
<sup>9</sup> Proposed Pool 1 Wildcat					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3754'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 14,820'	<sup>18</sup> Formation Devonian/Strawn	<sup>19</sup> Contractor Ziadrill #2	<sup>20</sup> Spud Date 04-28-97

<sup>21</sup> 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#/ft	450'	500	Surface
11"	8-5/8"	32#/ft	4,700'	1500	Surface
7-7/8"	5-1/2"	17#/ft	14,800'	1472	4,800'

<sup>22</sup> 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 proposes to drill to 14,800' T.D. in the Devonian with Ziadrill #2 as the contractor.

BOP's consist of 11"x5000# Schaffer Drouble with 11"x5000 Hydrill Annular Preventor

NW Sec 19, 26S-38E 40 Acres

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*D. Steven Tipton*

Printed name:

D. Steven Tipton

Title:

District Manager

Date:

04-22-97

Phone:

(405)848-8000

OIL CONSERVATION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached



PAYD JAN 21 1997

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., Artec, NM 87410

AMENDED REPORT

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Wildcat	Pool Name
Property Code	Property Name JESS "19"		Well Number 1
OGRD No.	Operator Name CHESAPEAKE OPERATING, INC.		Elevation 3754

Surface Location

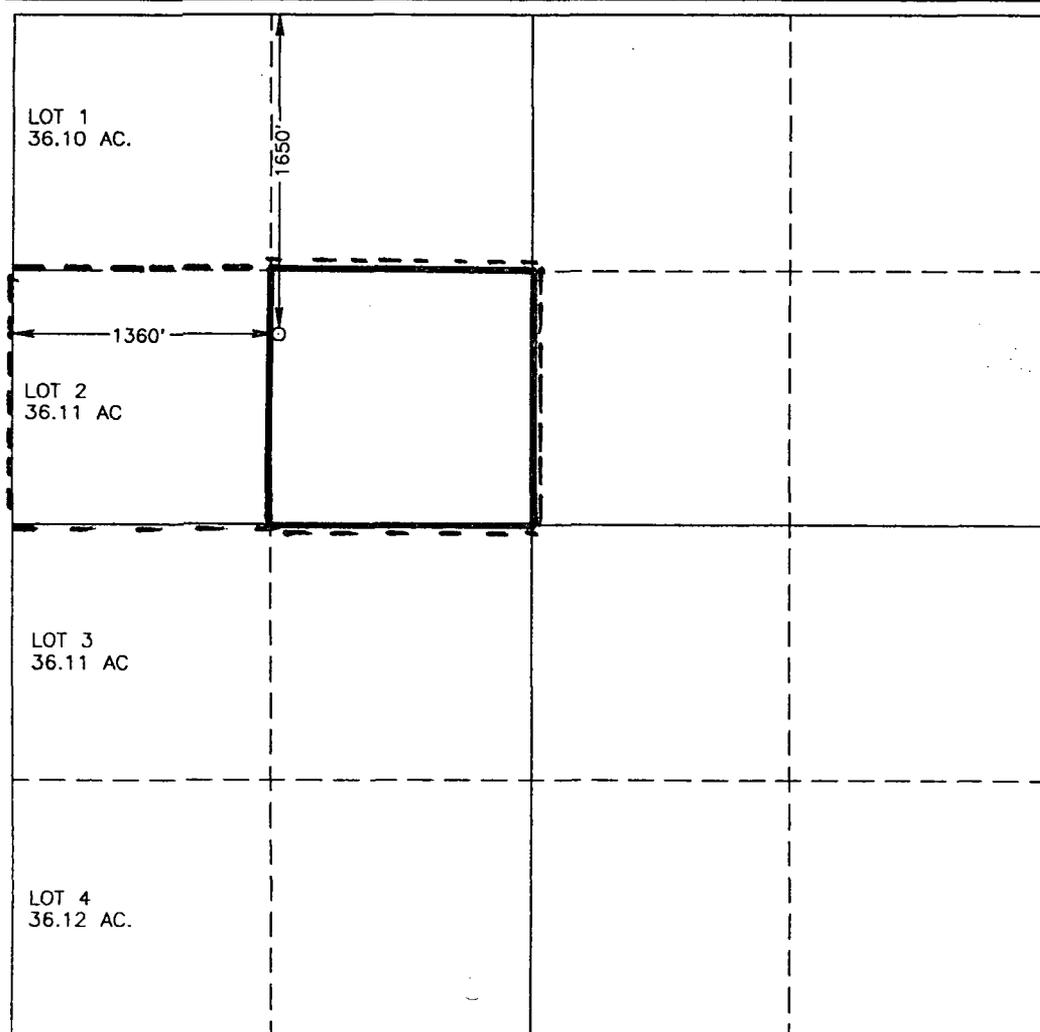
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	16 S	38 E		1650	NORTH	1360	WEST	LEA

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	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



**OPERATOR CERTIFICATION**

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

*[Signature]*  
Signature

D. Steven Tipton  
Printed Name

District Manager  
Title

04-22-97  
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.

JANUARY 17, 1997  
Date Surveyed

*[Signature]*  
Signature

Professional Surveyor  
Title

W.O. Num. 97-120101

Certificate No. JOHN W. WEST, 676  
RONALD F. EIDSON, 3239  
GARY G. EIDSON, 12641

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, 1984  
Submit to Appropriate District Office  
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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

AMENDED REPORT

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

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OGRID No.	Operator Name CHESAPEAKE OPERATING, INC.		Elevation 3754

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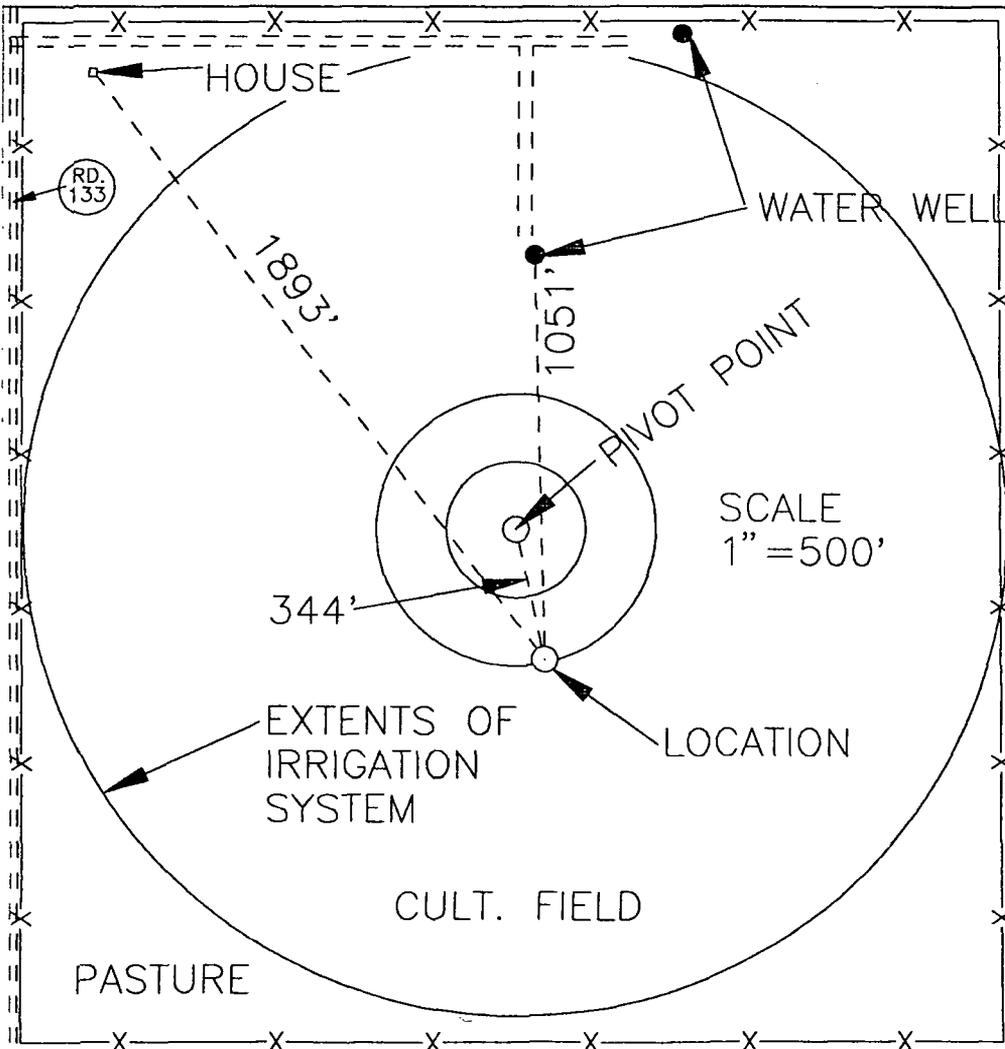
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	16 S	38 E		1650	NORTH	1360	WEST	LEA

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	Joint or Infill	Consolidation Code	Order No.
40			

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**OPERATOR CERTIFICATION**

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

*[Signature]*  
Signature

D. Steven Tipton  
Printed Name

District Manager  
Title

04-22-97  
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.

JANUARY 17, 1997  
Date Surveyed

JLP  
Signature & Seal of Professional Surveyor

W.O. Num. 97-11-0101

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239  
GARY G. EIDSON, 12641

DISTRICT I  
P.O. Box 1990, Hobbs, NM 88241-1990

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

AMENDED REPORT

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Wildcat
Property Code	Property Name	Well Number
	JESS "19"	1
OGRID No.	Operator Name	Elevation
	CHESAPEAKE OPERATING, INC.	3754

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	16 S	38 E		1650	NORTH	1360	WEST	LEA

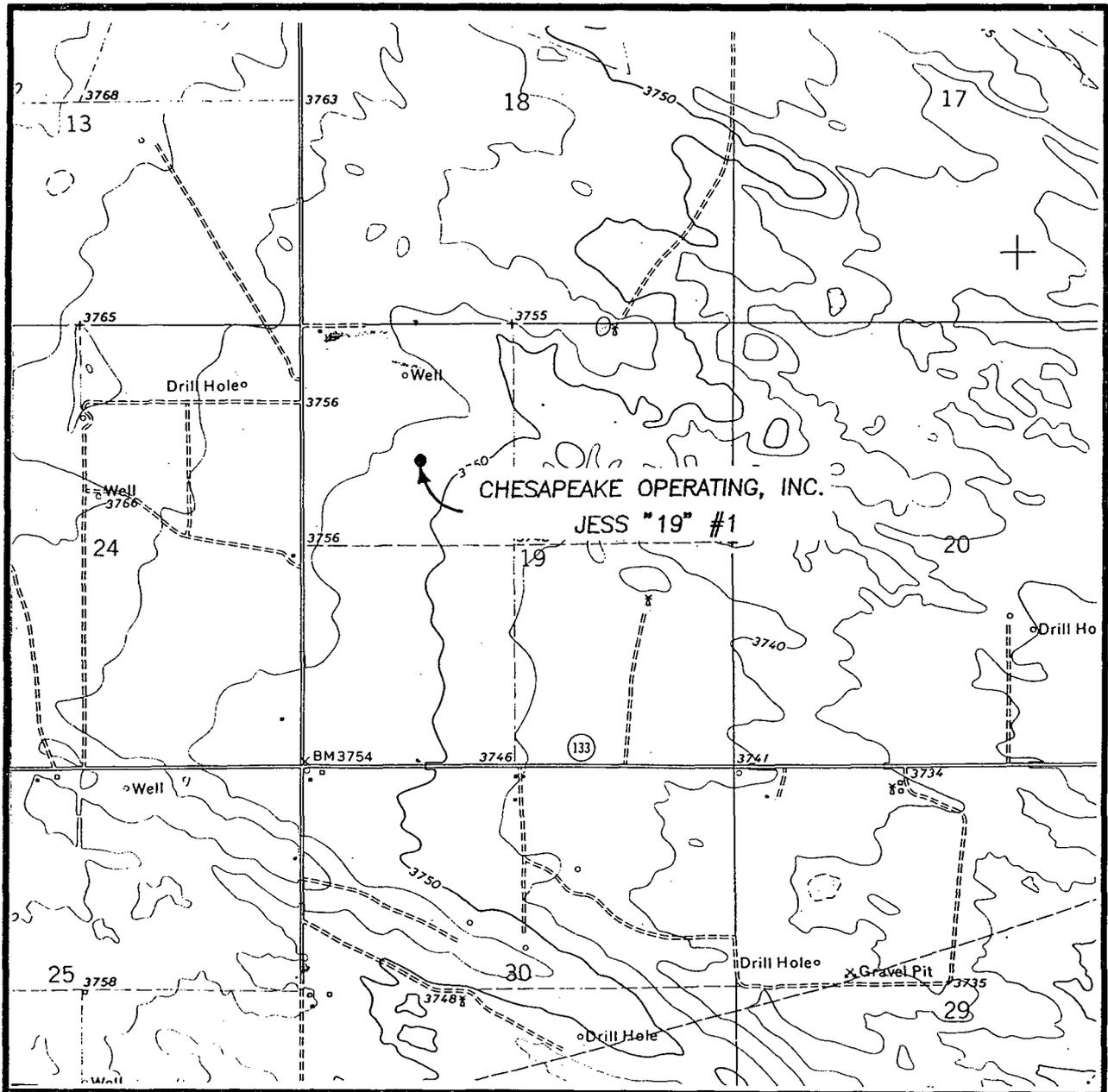
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	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

	<p><b>OPERATOR CERTIFICATION</b></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>[Signature]</i> Signature</p> <p>D. Steven Tipton Printed Name</p> <p>District Manager Title</p> <p>04-22-97 Date</p>	
	<p><b>SURVEYOR CERTIFICATION</b></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 17, 1997 Date Surveyed</p> <p>JLP Signature &amp; Seal of Professional Surveyor</p>	
<p>W.O. Num. 97-11-0101</p>		
<p>Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239 GARY G. EIDSON, 12641</p>		

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL - 5'

SEC. 19 TWP. 16-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 1360' FWL

ELEVATION 3754'

OPERATOR CHESAPEAKE OPERATING, INC.

LEASE JESS #19

U.S.G.S. TOPOGRAPHIC MAP

HUMBLE CITY NW, N.M.

**JOHN WEST ENGINEERING**

**HOBBS, NEW MEXICO**

**(505) 393-3117**

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**I N T E R O F F I C E   M E M O R A N D U M**

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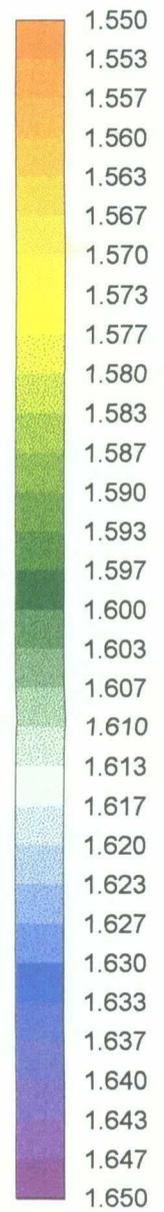
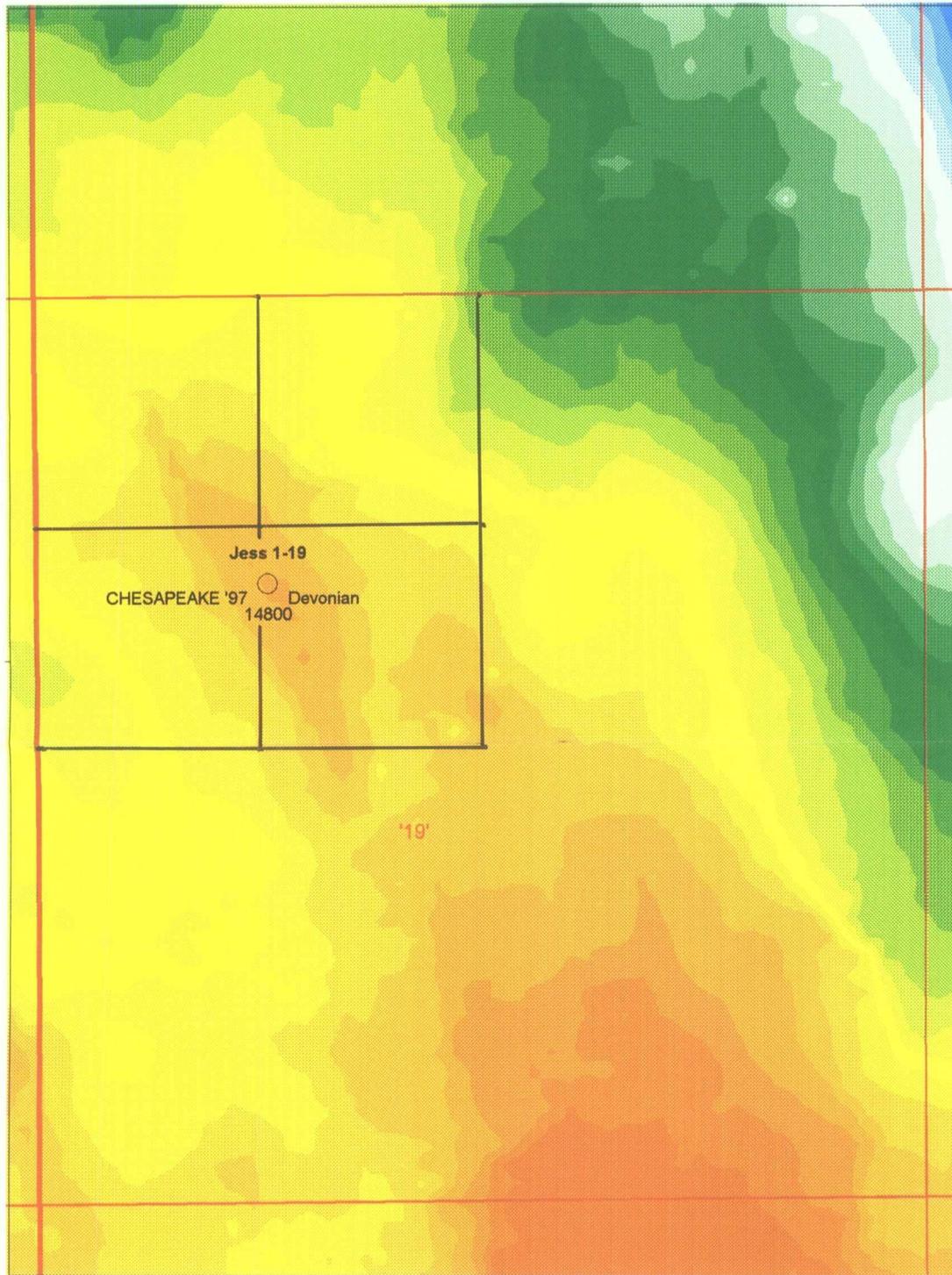
**DATE:** 2-May-97  
**TO:** MIKE HAZLIP  
**FROM:** ROBERT A. HEFNER IV   
**RE:** UNORTHODOX WELL LOCATION APPLICATION  
JESS 1-19 T16S-R38E  
1,650' FNL & 1,360' FWL  
Lea County, New Mexico

An unorthodox location is requested to insure Chesapeake the highest probability of discovering productive Strawn and Devonian reservoirs in the same wellbore. Our 3D seismic survey over the subject area suggests we have the opportunity to find both reservoirs in an optimally stacked structural attitude at the proposed location, provided we are granted the flexibility to locate the well as requested.

The failed Strawn tests in the immediate area have encountered water wet reservoir suggesting the necessity for four way closure. The attached time structure map on the Strawn formation exhibits the required four way closure. In order to obtain the most advantageous structural position, an unorthodox location is required. The Devonian time structure mimics the Strawn structure and, hence, the desire to test the Devonian as well with this wellbore.



XY :



STRAWN TIME STRUCTURE

05/13/97 16:58:05 1"=1,000'

JESS 1-19 LOCATION

EXHIBIT  
4

**PETROLEUM INFORMATION/DWIGHTS MIDLAND REGION REPORT  
SECTION III - 06/23/97**

**NEW MEXICO DRILLING PROGRESS  
LEA COUNTY CONTINUED**

**CONTR:** ZIADRIL INC, **RIG #2;SPUD:** 01/13/97, **RIG REL:** 02/17/97; . . . 12050 TD, SI (LDIR 05/22/97)

<b>CHESAPEAKE OPERATING</b> 1 LITTLE '6' API 30-025-33934	<b>6-16S-36E</b> 2065 FSL 2038 FWL SEC IC 300257028097	<b>WILDCAT;</b> 12150 STRAWN, (FR 04/25/97MD) <b>OPER ADD:</b> BOX 18496, OKLAHOMA CITY, OK, 73154-0496 PHONE (405) 848-8000 <b>EL:</b> 3954 GR; <b>LOCATION DATA:</b> 3 MI W LOVINGTON, NM .25 MI E/10652 (PSLV) OIL PROD IN TOWNSEND FIELD ; (VERTICAL)	<b>WD</b>
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■ **CONTR:** PATTERSON DRLG, **RIG #48;** MIRT; (LDIR 06/13/97)

<b>CHESAPEAKE OPERATING</b> 1 ALSTON '8' API 30-025-33876	<b>8-16S-36E</b> 2281 FSL 531 FWL SEC IC 300257018297	<b>SHOE BAR NORTHWEST;</b> 11950 STRAWN, (FR 03/14/97MD) <b>OPER ADD:</b> BOX 18496, OKLAHOMA CITY, OK, 73154-0496 PHONE (405) 848-8000 <b>EL:</b> 3938 GR; <b>LOCATION DATA:</b> 1 MI SW LOVINGTON, NM ; (VERTICAL)	<b>D</b>
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**CONTR:** PATTERSON DRLG, **RIG #45;SPUD:** 03/24/97, **RIG REL:** 04/28/97; . . . 11950 TD (APPROX), SI (LDIR 05/13/97)

<b>MANZANO OIL</b> 1 'SV' BIG BERTHA API 30-025-33883	<b>11-16S-36E</b> 2081 FNL 1870 FWL SEC IC 300257019997	<b>LOVINGTON NORTH;</b> 11800 WOLFCAMP, (FR 03/19/97MD) (ST APPD PMT: 03/19/97) <b>OPER ADD:</b> BOX 2107, ROSWELL, NM, 88202-2107 PHONE (505) 623-1996; <b>EL:</b> 3893 GR; <b>LOCATION DATA:</b> 2 MI SE LOVINGTON, NM ; (VERTICAL)	<b>D</b>
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■ **CONTR:** W E K DRLG, **RIG #2;SPUD:** 05/10/97, **CSG:** 13 3/8 @ 406, 8 5/8 @ 4500, 5 1/2 @ 10900; **DST # 1** (WOLFCAMP), NO DETAILS; **RIG REL:** 06/05/97; . . . 10900 TD, WOCT (LDIR 06/13/97)

<b>MANZANO OIL</b> 3 'SV' KIM HARRIS API 30-025-33894	<b>12-16S-36E</b> 600 FNL 1843 FEL SEC IC 300257022597	<b>LOVINGTON NORTHEAST;</b> 11800 PENNSYLVANIAN, (FR 03/27/97MD) (ST APPD PMT: 03/25/97) <b>OPER ADD:</b> BOX 2107, ROSWELL, NM, 88202-2107 PHONE (505) 623-1996; <b>EL:</b> 3872 GR; <b>LOCATION DATA:</b> 2 MI E LOVINGTON, NM ; (VERTICAL)	<b>D</b>
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■ **CONTR:** W E K DRLG, **RIG #2;SPUD:** 04/07/97, **CSG:** 13 3/8 @ 442 W/350 SX, 8 5/8 @ 4367, 5 1/2 @ 11970; **DST # 1**, NO DETAILS **DST # 2**, NO DETAILS; **RIG REL:** 05/09/97; . . . 11970 TD, TSTG TITE (LDIR 06/13/97)

<b>YATES PET</b> 1 BRISTOL 'ARM' STATE API 30-025-34001 <b>LOC;</b>	<b>16-16S-36E</b> 330 FSL 30 FWL SEC IC 300257036797	<b>LOVINGTON WEST;</b> 11900 PENNSYLVANIAN, (FR 06/04/97MD) <b>OPER ADD:</b> 105 S 4TH ST, ARTESIA, NM, 88210 PHONE (505) 748-4347; <b>EL:</b> 3916 GR; <b>LOCATION DATA:</b> 2 MI S LOVINGTON, NM ; (VERTICAL)	<b>D</b>
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<b>CHESAPEAKE OPERATING</b> 1 PATTY '20' API 30-025-33756	<b>20-16S-36E</b> 2156 FNL 990 FWL SEC IC 300257000197	<b>LOVINGTON WEST;</b> 11794 PENNSYLVANIAN, (FR 01/02/97MD) <b>OPER ADD:</b> BOX 18496, OKLAHOMA CITY, OK, 73154-0496 PHONE (405) 848-8000 <b>EL:</b> 3959 KB; <b>LOCATION DATA:</b> 3 MI SW LOVINGTON, NM ; (VERTICAL)	<b>DO OIL</b>
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● **CONTR:** ZIADRIL INC, **RIG #2 RIG SUB:16; SPUD:** 02/20/97 **CSG:** 13 3/8 @ 393 W/500 SX, 8 5/8 @ 4150 W/199 SX, 5 1/2 @ 11780 W/1100 SX; **TBG: 2** 7/8 @ 8322; 11780 TD, (PENNSYLVANIAN) 11695 PBDT **RIG REL:** 03/23/97; **PRODUCING INTERVAL(S) DATA:** PERF (PENNSYLVANIAN), 11435-11474, 11780 TD, PB 11695 COMP 4/11/97, IPF 207 BO, 365 MCFGPD, 18/64 CK, FTP 280, GTY (NR), GOR (NR) **PROD ZONE - PENNSYLVANIAN 11435-11474 NO CORES OR TESTS RPTD** . . . (LDIR 06/20/97)

<b>CHESAPEAKE OPERATING</b> 1 JESS '19' API 30-025-33933	<b>19-16S-38E</b> 1650 FNL 1360 FWL SEC IC 300257028197	<b>WILDCAT;</b> 14820 DEVONIAN, (FR 04/25/97MD) <b>OPER ADD:</b> BOX 18496, OKLAHOMA CITY, OK, 73154-0496 PHONE (405) 848-8000 <b>EL:</b> 3754 GR; <b>LOCATION DATA:</b> 5 MI NW KNOWLES, NM 1.50 MI SE/13072 (DVNN) OIL PROD IN UNNAMED FIELD ; (VERTICAL) WELL ID CHANGES: RANGE CHGD FROM 39 E	<b>WD</b>
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**CONTR:** PATTERSON DRLG, **RIG #45; SPUD:** 04/28/97, . . . DRLG AHEAD (LDIR 06/06/97)

<b>APACHE CORP</b> 1 MALTESE FALCON '28' API 30-025-34014	<b>28-16S-38E</b> 634 FSL 1689 FEL SEC IC 300257038397	<b>WILDCAT;</b> 11700 ATOKA, (FR 06/06/97MD) (ST APPD PMT: 06/06/97) <b>OPER ADD:</b> 2000 POST OAK BLVD, STE 100, HOUSTON, TX, 77055-4400 PHONE (713) 296-6000; <b>EL:</b> 3709 GR; <b>LOCATION DATA:</b> 10 MI SE LOVINGTON, NM .75 MI NE/13107 (DVNN) OIL PROD IN KNOWLES WEST FIELD ; (VERTICAL)	<b>WS</b>
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■ **CONTR:** PATTERSON DRLG, **RIG #8;SPUD:** 06/16/97, **CSG:** 13 3/8 @ 445 W/410 SX; . . . DRLG 1880 (LDIR 06/18/97)

<b>WISER OIL</b> 152 MALJAMAR (GRAYBURG) UNIT API 30-025-33143	<b>4-17S-32E</b> 2005 FNL 2152 FWL SEC IC 300257050295	<b>MALJAMAR;</b> 5000 GRAYBURG-SAN ANDRES, (FR 10/11/95MD) (ST APPD PMT: 10/04/96) <b>OPER ADD:</b> 8115 PRESTON RD, STE 400, DALLAS, TX, 75225 PHONE (214) 265-0080; <b>EL:</b> 4142 GR; <b>LOCATION DATA:</b> 1 MI NW MALJAMAR, NM ; (VERTICAL)	<b>D</b>
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**CONTR:** NORTON DRLG, **RIG #7;SPUD:** 03/13/97, **CSG:** 8 5/8 @ 364 W/325 SX; **RIG REL:** 03/22/97; . . . 5000 TD, TSTG (LDIR 05/29/97)

<b>WISER OIL</b> 153 MALJAMAR (GRAYBURG) UNIT API 30-025-33454	<b>4-17S-32E</b> 672 FSL 2162 FWL SEC IC 300257001896	<b>MALJAMAR;</b> 4400 GRAYBURG-SAN ANDRES, (FR 01/11/96MD) <b>OPER ADD:</b> 8115 PRESTON, STE 400, DALLAS, TX, 75225 PHONE (214) 265-0080; <b>EL:</b> 4120 GR; <b>LOCATION DATA:</b> .25 MI W MALJAMAR, NM ; (VERTICAL)	<b>D</b>
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**CONTR:** NORTON DRLG, **RIG #5;SPUD:** 01/07/97, **CSG:** 8 5/8 @ 438 W/325 SX, 5 1/2 @ 4200 W/1100 SX; **RIG REL:** 01/12/97; . . . 4200 TD, TSTG (LDIR 05/29/97)

<b>WISER OIL</b> 155 MALJAMAR (GRAYBURG) UNIT API 30-025-33874	<b>10-17S-32E</b> 1880 FNL 2080 FWL SEC IC 300257011697	<b>MALJAMAR;</b> 4800 GRAYBURG-SAN ANDRES, (FR 02/12/97MD) (ST APPD PMT: 03/10/97) <b>OPER ADD:</b> 8115 PRESTON RD, STE 400, DALLAS, TX, 75225 PHONE (214) 265-0080; <b>EL:</b> 4159 GR; <b>LOCATION DATA:</b> 6 MI SE MALJAMAR, NM ; (VERTICAL)	<b>D</b>
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**CONTR:** NORTON DRLG, **RIG #7;SPUD:** 04/19/97, **CSG:** 8 5/8 @ 363 W/325 SX, 5 1/2 @ 4250 W/750 SX; **RIG REL:** 04/25/97; . . . 4250 TD, WOCT (LDIR 05/16/97)

CMD :  
OG6CLOG

ONGARD  
C105-WELL COMPLETION OR RECOMP CASING LOG

06/27/97 11:00:00  
OGOMES -EMEE

OGRID Identifier : 147179 CHESAPEAKE OPERATING, INC.  
Prop Identifier : 20762 JESS 19  
API Well Identifier : 30 25 33933 Well No : 001  
Surface Locn - UL : F Sec : 19 Twp : 16S Range : 38E Lot Idn :  
Multiple comp (S/M/C): S TVD Depth (Feet) : MVD Depth (Feet):  
Spud Date : P/A Date :  
Casing/Linear Record:

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S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ----  
(inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code  
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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 :  
OG6C101

ONGARD  
C101-APPLICATION FOR PERMIT TO DRILL

06/27/97 11:00:09  
OGOMES -EMEE

OGRID Idn : 147179 API Well No: 30 25 33933 APD Status(A/C/P) : A  
Opr Name, Addr: CHESAPEAKE OPERATING, INC. Aprvl/Cncl Date : 04-24-1997  
P. O. BOX 18496  
OKLAHOMA CITY,OK 73154-0496

Prop Idn: 20762 JESS 19 Well No: 1

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
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Surface Locn :	F	19	16S	38E			FTG 1650 F N	FTG 1367 F W
OCD U/L :	F		API County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C) : O Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/I) : P Ground Level Elevation : 3754

State Lease No: Multiple Comp (Y/N) : S  
Prpsd Depth : 14820 Prpsd Frmtn : DEVONIAN

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

