

|               |               |              |               |           |                         |
|---------------|---------------|--------------|---------------|-----------|-------------------------|
| DATE: 3/18/02 | SUSPENSE: N/A | ENGINEER: WJ | LOGGED IN: KN | TYPE: DHC | APP NO: PKRV 0208534757 |
|---------------|---------------|--------------|---------------|-----------|-------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/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 - Simultaneous Dedication  
 NSL  NSP  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

- [D] Other: Specify \_\_\_\_\_

**[2] 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] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

**[4] CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

|   |  |   |                 |
|---|--|---|-----------------|
| KELLAHIN & KELLAHIN<br>Attorneys At Law<br>P.O. Box 2265<br>Santa Fe, N.M. 87504-2265 |  | Attorney<br>Title                             | 3/17/02<br>Date |
|   |  | t.kellahin@worldnet.att.net<br>e-mail Address |                 |

**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)

March 17, 2002

**Hand Delivered**

Mr. David R. Catanach  
Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

RE: **Boyce 15 Well No. 2**  
Unit A Section 15, T16S, R35E  
Administrative Application of Chesapeake  
Operating, Inc. for Downhole Commingling of,  
Lea County, New Mexico

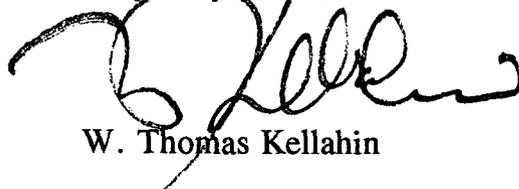
02 MAR 18 PM 5:12  
OIL CONSERVATION DIV

Dear Mr. Catanach:

On behalf of Chesapeake Operating, Inc., please find enclosed their administrative application to downhole commingling production from the North West Shoebar Strawn Oil Pool with the Upper Townsend Perm-Pennsylvanian Oil Pool.

Chesapeake's records reflect no contribution from the Cisco perforation in the Upper Townsend Perm-Penn Pool and only about 17 barrels of oil and 83 MCFG of gas from the Strawn. The ownership is the same in both pools.

Very truly yours,



W. Thomas Kellahin

fx: Chesapeake Operating, Inc.  
Attn: Lynda Townsend

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

District II  
1301 W. Grand Avenue, Artesia, NM 88210

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE

District III  
1000 Rio Brazos Road, Aztec, NM 87410

Single Well  
Establish Pre-Approved Pools

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
 Yes  No

Chesapeake Operating, Inc. P. O. Box 18496 Oklahoma City, OK 73154-0496  
Operator Address

Boyce 15 2 A Sec 15-16S-35E Lea  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 147179 Property Code 24402 API No. 30-025-35005 Lease Type:  Federal  State  Fee

| DATA ELEMENT   | UPPER ZONE                                       | INTERMEDIATE ZONE | LOWER ZONE<br>R-8356 12-3-86                         |
|--|--|-------------------|--|
| Pool Name  | Townsend Permo Upper                             | Penn              | NW Shoebar-Strawn                                    |
| Pool Code  | 59847  |                   | 56280  |
| Top and Bottom of Pay Section<br>(Perforated or Open-Hole Interval)  | Cisco 10820-26'<br>New 10843-58'                 |                   | Strawn 11248-53'<br>Existing 11264-92'               |
| Method of Production<br>(Flowing or Artificial Lift)   | Artificial Lift                                  |                   | Artificial Lift                                      |
| Bottomhole Pressure<br>(Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)       | NA   |                   | NA   |
| Oil Gravity or Gas BTU<br>(Degree API or Gas BTU)  | 40°  |                   | 42°  |
| Producing, Shut-In or<br>New Zone  | New  |                   | Producing  |
| Date and Oil/Gas/Water Rates of<br>Last Production.<br>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.) | Date: 10/23/01<br>Rates: 0 Oil, 4 Wtr<br>2 MCFPD | Date:<br>Rates:   | Date: 12/22/01<br>Rates: 17 oil, 32 Wtr,<br>83 MCFPD |
| Fixed Allocation Percentage<br>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)                     | Oil Gas<br>% %                                   | Oil Gas<br>% %    | Oil Gas<br>100% 100%                                 |

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No

Are all produced fluids from all commingled zones compatible with each other? Yes  No

Will commingling decrease the value of production? Yes  No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Andrew M. Calmont TITLE Asset Manager DATE 03/01/02

TYPE OR PRINT NAME Andrew McCalmont TELEPHONE NO. ( 405 ) 848-8000

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 Resources

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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<br>Chesapeake Operating, Inc.<br>P. O. Box 18496<br>Oklahoma City, OK 73154-0496 |  | <sup>2</sup> OGRID Number<br>147179     |  |
| <sup>3</sup> Property Code<br>24402   |  | <sup>3</sup> API Number<br>30-025-35005 |  |
| <sup>5</sup> Property Name<br>Boyce 15  |  | <sup>6</sup> Well No.<br>2              |  |

<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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 15      | 16S      | 35E   |         | 664           | North            | 499           | East           | 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<br>Townsend Permo Upper Penn |         |          |       |         | <sup>10</sup> Proposed Pool 2 |                  |               |                |        |

|                                   |   |   |                                       |   |
|-----------------------------------|---|---|---------------------------------------|---|
| <sup>11</sup> Work Type Code<br>A | <sup>12</sup> Well Type Code<br>O       | <sup>13</sup> Cable/Rotary<br>already drilled | <sup>14</sup> Lease Type Code<br>P    | <sup>15</sup> Ground Level Elevation<br>GR: 3987' |
| <sup>16</sup> Multiple<br>N       | <sup>17</sup> Proposed Depth<br>11,510' | <sup>18</sup> Formation<br>Cisco              | <sup>19</sup> Contractor<br>Patterson | <sup>20</sup> Spud Date<br>06/18/00               |

<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#                | 475'          | 495             | Surf          |
| 12-1/4"   | 9-5/8"      | 40#                | 4225'         | 1640            | Surf          |
| 7-7/8"    | 5-1/2"      | 17#                | 11,510'       | 1100            | ± 3700'       |
|           |             |                    |               |                 |               |

<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 plans to recomplete to Cisco, set CIBP to isolate Strawn, perforate Cisco and put well on pump.

|   |  |                  |
|---|--|------------------|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <br>Printed name: Andrew McCalmont<br>Title: Asset Manager<br>Date: 03/01/02<br>Phone: (405) 848-8000 | <b>OIL CONSERVATION DIVISION</b>                             |                  |
|   | Approved by:   |                  |
|   | Title:   |                  |
|   | Approval Date:   | Expiration Date: |
|   | Conditions of Approval:<br>Attached <input type="checkbox"/> |                  |



**CHESAPEAKE OPERATING, INC.**

P. O. Box 18496  
 OKLAHOMA CITY, OKLAHOMA 73154-0496  
 405/848-8000  
 405/879-9573 FAX

**Operated Daily Activity Report**

Well-BOYCE 2-15;

**Status: RECOMPLETE**

| <b>BOYCE 2-15</b>      |        |                  |          | 15-16S-35E   |                | Permian        |    |
|------------------------|--------|------------------|----------|--|----------------|----------------|----|
| Well #:                | 812304 | AFE: 300284      |          | LEA, NM  |                | Strawn 11,600' |    |
|                        |        |                  | Cost     | WI: 92.000000  | NRI: 69.000000 | Patterson      | 48 |
| Date                   | Day    | Footage<br>Depth | Cum Cost | Present Operation  |                |                |    |
| 10/22/01               |        | 0'               | \$0      | 24 hrs, 0 BO, 5 BW, 1 MCFG, PTP 20#, CP 20#, 6 spm   |                |                |    |
|                        |        | 11,510'          | \$34,107 |  |                |                |    |
| 10/23/01               |        | 0'               | \$0      | 24 hrs, 0 BO, 4 BW, 2 MCFG, PTP 20#, CP 20#, 6 spm   |                |                |    |
|                        |        | 11,510'          | \$34,107 |  |                |                |    |
| 10/24/01               |        | 0'               | \$0      | SI 24 hrs, no activity   |                |                |    |
|                        |        | 11,510'          | \$34,107 |  |                |                |    |
| 10/25/01               |        | 0'               | \$0      | TDFR until further activity  |                |                |    |
|                        |        | 11,510'          | \$34,107 |  |                |                |    |
| 12/14/01               |        | 0'               | \$3,470  | TOOH w/ 34s jts 2 7/8", TA   |                |                |    |
|                        |        | 11,510'          | \$37,577 | RUPU, unseat pump, TOOH w/ 144 - 7/8", 272 - 3/4" and 16 - 1 1/4" K-bars, ND wellhead, release TAC, NU BOP, TOOH w/ 342 jts 2 7/8" TA and 3 jts 2 7/8" tbg.  |                |                |    |
| <b>Commingle Zones</b> |        |                  |          |  |                |                |    |
| 12/15/01               |        | 0'               | \$4,120  | TIH w/ chisel knock out bailer, clean off bridge plug  |                |                |    |
|                        |        | 11,510'          | \$41,697 | Load csg w/ 102 BBLS 2% KCL, TIH w/ chisel knock out bailer, made 3 runs, clean off bridge plug, mainly frac balls, made 2 additional runs, hitting bridge plug, rec good metal and slip segments, bottom swab cut in bailer broken.   |                |                |    |
| 12/16/01               |        | 0'               | \$0      | Bail on CIBP w/ chisel bottom bailer   |                |                |    |
|                        |        | 11,510'          | \$41,697 |  |                |                |    |
| 12/17/01               |        | 0'               | \$0      | SD 24 hrs, no activity   |                |                |    |
|                        |        | 11,510'          | \$41,697 |  |                |                |    |
| 12/18/01               |        | 0'               | \$3,850  | TIH w/ pump, K-bars and rods   |                |                |    |
|                        |        | 11,510'          | \$45,547 | TIH w/ chisel bailer, made 3 runs, broke through, TIH to 11,420', TOOH w/ bailer, TIH w/ mud jt, perforated sub, SN, 3 jts 2 7/8" tbg, TAC and 355 jts 2 7/8" tbg, ND BOP, set anchor w/ 16,000#, NU wellhead, TIH w/ 2 1/2" x 1 1/4" x 24' pump, 16 - 1 1/2" K-bars and 156 - 3/4" rods, changed out 10 - 3/4" boxes for spray metal. |                |                |    |
| 12/19/01               |        | 0'               | \$2,350  | TIH w/ rods, hang on, too windy to RD  |                |                |    |
|                        |        | 11,510'          | \$47,897 | TIH w/ 127 - 3/4" rods, change out 85 boxes for spray metal, TIH w/ 149 - 7/8" rods, 1 - 8', 2 - 2' subs, space well out, hang on, load w/ 58 BW, pressure up OK, too windy to RD.   |                |                |    |
| 12/20/01               |        | 0'               | \$0      | SI 24 hrs, no activity   |                |                |    |
|                        |        | 11,510'          | \$47,897 |  |                |                |    |
| 12/21/01               |        | 0'               | \$0      | SI 24 hrs, no activity   |                |                |    |
|                        |        | 11,510'          | \$47,897 |  |                |                |    |
| 12/22/01               |        | 0'               | \$0      | 24 hrs, 17 BO, 32 BW, 83 MCFG, TP 40#, CP 40#, FIN RPT   |                |                |    |
|                        |        | 11,510'          | \$47,897 |  |                |                |    |

**CHESAPEAKE OPERATING, INC.**

P. O. Box 18496  
 OKLAHOMA CITY, OKLAHOMA 73154-0496  
 405/848-8000  
 405/879-9573 FAX

**Operated Daily Activity Report**

Well-BOYCE 2-15;

**Status: RECOMPLETE**

| <b>BOYCE 2-15</b> |        | 15-16S-35E       |                   | Permian  |
|-------------------|--------|------------------|-------------------|--|
| Well #:           | 812304 | AFE: 300284      | LEA, NM           | Strawn 11,600'   |
|                   |        |                  | WI: 92.000000     | NRI: 69.000000   |
|                   |        |                  | Present Operation | Patterson 48   |
| Date              | Day    | Footage<br>Depth | Cost<br>Cum Cost  |  |
| 07/06/01          |        | 0'               | \$3,350           | Load w/ BW, press to 500#, RTP, FINAL REPORT   |
|                   |        | 11,510'          | \$38,225          | TIH w/ 116 - 7/8" rods, space out pump, hang on, load w/ 54 BW, pressure to 500#, OK, pump up in 9 strokes from 200# - 500#, OK, RDPU, return well to production, FINAL REPORT.  |
| 07/31/01          |        | 0'               | \$3,250           | RIH w/ rebuilt pump & rods, hand on, RTP, FINAL REPORT   |
|                   |        | 11,510'          | \$3,250           | MIRU PU, unseat pump, TOOH w/ rods and pump, RIH w/ rebuilt 2 1/2 x 1 1/4 x 24' pump, 16 - 1 1/4" K-bars, 281 - 3/4" rods and 149 - 7/8" rods, space out pump, hang well on, load w/ 60 BW, pressure to 500#, OK, bled pressure back to 200#, start well, no pump action, pump 20 BW down csg, well pumping OK, FINAL REPORT.  |
|                   |        |                  |                   | <b>Change Pump</b>   |
| 10/09/01          |        | 0'               | \$2,880           | TOOH w/ 60 jts 2 7/8" tbg  |
|                   |        | 11,510'          | \$2,880           | RU PU, TOOH w/ rods and pump, release anchor, ND wellhead, NU BOP, TOOH w/ 353 jts 2 7/8" TAC, 3 jts 2 7/8" tbg, SN, PS, TIH w/ 5 1/2" scraper and 351 jts 2 7/8" to 11,010', TOOH w/ 60 jts 2 7/8" tbg.   |
|                   |        |                  |                   | <b>Recomplete to Cisco</b>   |
| 10/10/01          |        | 0'               | \$5,285           | TIH w/ CIBP & tbg, set @ 11,001', tst, swab 90 BW  |
|                   |        | 11,510'          | \$8,165           |  |
| 10/11/01          |        | 0'               | \$9,862           | NU wellhead  |
|                   |        | 11,510'          | \$18,027          | TOOH w/ 350 jts 2 7/8" tbg, TIH w/ 3 3/8" super DP csg gun, load w/ 28 gram, 90° phasing, 4 spg, perforated 10,820' - 10,826', 10,843' - 10,858', TIH w/ Mod "R" pkr and 334 jts 2 7/8" tbg, ND BOP, set pkr @ 10,498', NU wellhead.   |
| 10/12/01          |        | 0'               | \$7,880           | RD AES, left well SI   |
|                   |        | 11,510'          | \$25,907          | TIH w/ swab, IFL 4,700', load backside w/ 80 BBLS 2% KCL, pressure to 500# OK, made 7 swab runs, 32 BW, FFL 10,400', SD 1 hr, made swab run, FL 10,400', SD 2 hrs, FL 10,400', pull some oil and slight blow of gas, RU AES, acidize w/ 2,000 GALS 15% FE-Ne, formation broke down @ 2800#, drop 150 balls w/ good action, min PSI 0#, max PSI 3000#, avg PSI 2650#, min rate 3 BPM, max rate 5.5 BPM, avg rate 3.3 BPM, ISIP 2650#, 5 min 2380#, 10 min 2360#, 15 min 2350#, 20 min 2270#, 25 min 2240#, 30 min 2210#, RD AES, left well SI, total load 118 bbls. |
| 10/13/01          |        | 0'               | \$2,880           | Swab, IFL @ surface, made 11 runs, 61 BW, FFL @ SN w/ 5% oil   |
|                   |        | 11,510'          | \$28,787          |  |
| 10/14/01          |        | 0'               | \$0               | SI 24 hrs, no activity   |
|                   |        | 11,510'          | \$28,787          |  |
| 10/15/01          |        | 0'               | \$0               | SI 24 hrs, no activity   |
|                   |        | 11,510'          | \$28,787          |  |
| 10/16/01          |        | 0'               | \$2,090           | TOOH w/ 48 jts 2 7/8" tbg, SI due to wind  |
|                   |        | 11,510'          | \$30,877          | 65 hr SITP 500#, bled off 24/64" in 30 min, swab, IFL 7,000', 7 BF w/ 90% oil, FFL 10,400', ND wellhead, release pkr, NU BOP, TOOH w/ 48 jts 2 7/8" tbg, SI due to wind.   |
| 10/17/01          |        | 0'               | \$3,230           | RIH w/ tbg, pump and rods  |
|                   |        | 11,510'          | \$34,107          |  |
| 10/18/01          |        | 0'               | \$0               | 24 hrs, 7 BO, 61 BW, 0 MCFG, FTP 20#, CP 20#, 6 spm  |
|                   |        | 11,510'          | \$34,107          |  |
| 10/19/01          |        | 0'               | \$0               | 24 hrs, 2 BO, 15 BW, 0 MCFG, FTP 20#, CP 20#, 6 spm  |
|                   |        | 11,510'          | \$34,107          |  |
| 10/20/01          |        | 0'               | \$0               | 24 hrs, 0 BO, 35 BW, 3 MCFG, PTP 20#, CP 20#, 6 spm  |
|                   |        | 11,510'          | \$34,107          |  |
| 10/21/01          |        | 0'               | \$0               | 24 hrs, 0 BO, 3 BW, 1 MCFG, PTP 20#, CP 20#, 6 spm   |
|                   |        | 11,510'          | \$34,107          |  |

03/12/02 10:16:21AM

THE INFORMATION IN THIS REPORT IS PROPRIETARY, CONFIDENTIAL AND NOT FOR PUBLIC DISSEMINATION. THIS INFORMATION SHOULD NOT BE SHARED WITH ANY THIRD PARTIES WITHOUT WRITTEN CONSENT OF CHESAPEAKE.

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

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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |   |  |
|----------------------------|---|--|
| API Number<br>30-025-35005 | Pool Code<br>59847                          | Pool Name<br>Townsend Permo Upper Penn |
| Property Code<br>24402     | Property Name<br>BOYCE 15                   | Well Number<br>2                       |
| OGRID No.<br>147179        | Operator Name<br>CHESAPEAKE OPERATING, INC. | Elevation<br>3987                      |

Surface Location

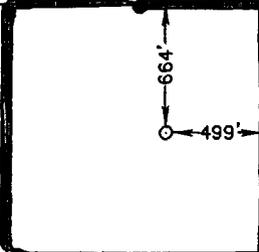
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 15      | 16 S     | 35 E  |         | 664           | NORTH            | 499           | 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 | 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>NM SPC<br/>NME NAD 27<br/>Y-702255<br/>X-774732</p>  | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Barbara J. Bale</i><br/>Signature</p> <p>Barbara J. Bale<br/>Printed Name</p> <p>Regulatory Analyst<br/>Title</p> <p>03/01/02<br/>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>APRIL 3, 2000</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor<br/><i>Ronald J. Eidson</i><br/>Professional Surveyor</p> <p>DC</p> |  |
|  | <p>Certificate No. RONALD J. EIDSON 3239<br/>GARY EIDSON 12641<br/>MACON McDONALD 12185</p>   |  |

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

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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |   |  |
|----------------------------|---|--|
| API Number<br>30-025-35005 | Pool Code<br>59847                          | Pool Name<br>Townsend Permo Upper Penn |
| Property Code<br>24402     | Property Name<br>BOYCE 15                   | Well Number<br>2                       |
| OGRID No.<br>147179        | Operator Name<br>CHESAPEAKE OPERATING, INC. | Elevation<br>3987                      |

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             | 15      | 16 S     | 35 E  |         | 664           | NORTH            | 499           | 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 | 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

|  |   |
|--|---|
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OIL CONSERVATION DIVISION  
P.O. Box 2088

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1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

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

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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 |
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Bottom Hole Location If Different From Surface

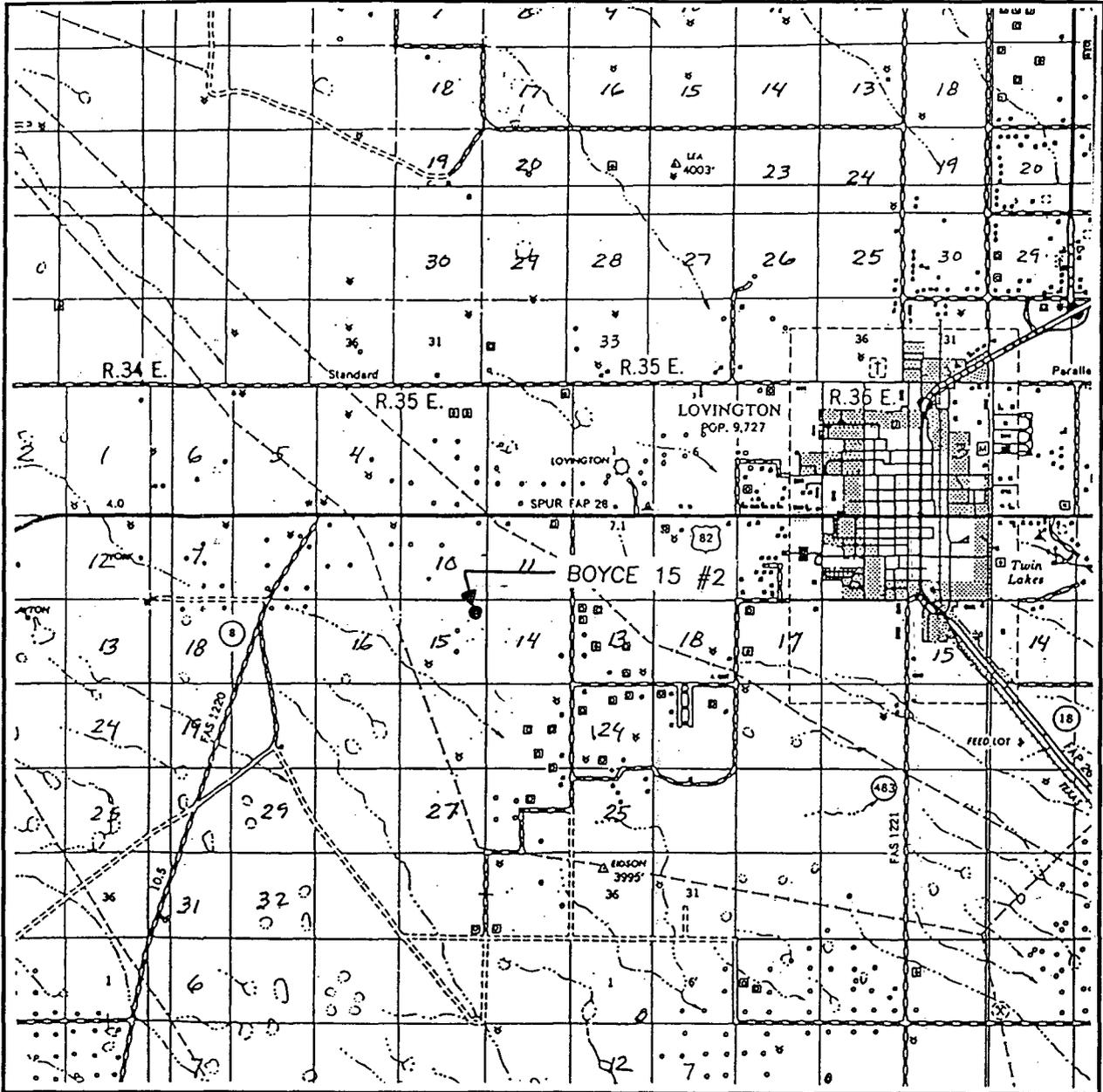
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|               |         |          |       |         |               |                  |               |                |        |

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|  | <p>Certificate No. RONALD J. EIDSON 3239<br/>GARY EIDSON 12641<br/>MACON McDONALD 12185</p>  |
|  |  |

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 15 TWP. 16-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 664' FNL & 499' FEL

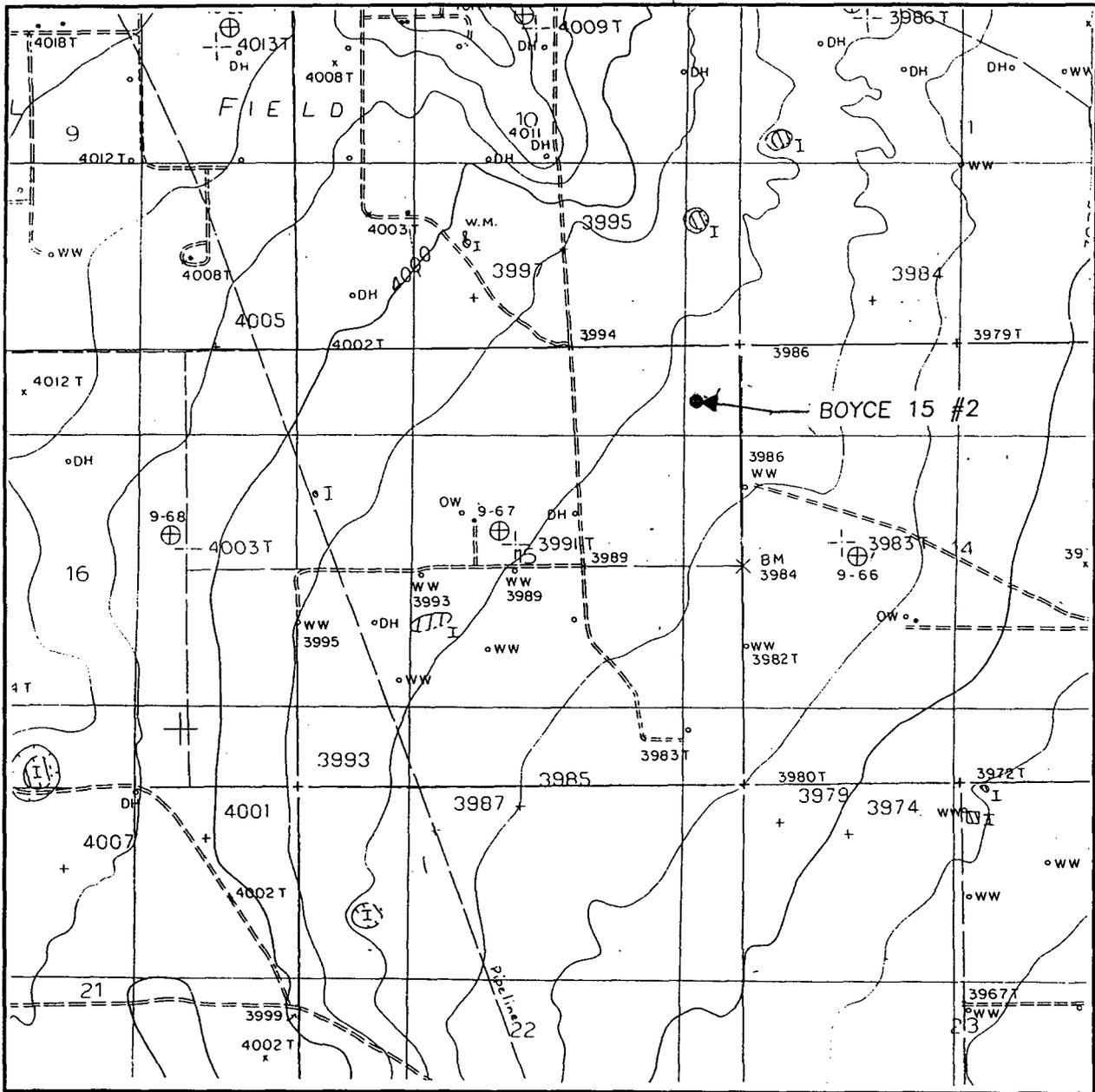
ELEVATION 3987

OPERATOR CHESAPEAKE OPERATING, INC.

LEASE BOYCE 15

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
LOVINGTON NW - 5'

SEC. 15 TWP. 16-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 664' FNL & 499' FEL

ELEVATION 3987

OPERATOR CHESAPEAKE OPERATING, INC.

LEASE BOYCE 15

U.S.G.S. TOPOGRAPHIC MAP

LOVINGTON NW, N.M.

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