

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.

Print or Type Name KELLAHIN & KELLAHIN Attorneys At Law P.O. Box 2265 Santa Fe, N.M. 87504-2265	Signature 	Attorney Title _____ e-mail Address t.kellahin@worldnet.att.net	Date 3/17/02
--	---------------	---	-----------------

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

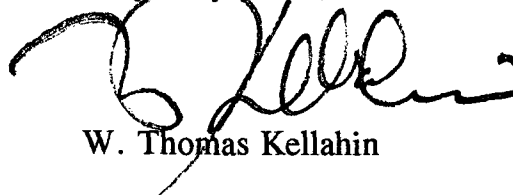
RE: **Boyce 15 Well No. 2**
Unit A Section 15, T16S, R35E
Administrative Application of Chesapeake
Operating, Inc. for Downhole Commingling of,
Lea County, New Mexico

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

OL CONSERVATION DIV
12 MAR 18 PM 5:12

District I
1625 N. French Drive, 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 Department

Form C-107A
Revised May 15, 2000

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

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

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. 1471179 Property Code 24402 API No. 30-025-35005 Lease Type: ☐ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
			R-8356 12-3-86
Pool Name	Townsend Permo Upper Penn		NW Shoebar-Strawn
Pool Code	59847		56280
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Cisco 10820-26' New 10843-58'		Strawn 11248-53' Existing 11264-92'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (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 (Degree API or Gas BTU)	40°		42°
Producing, Shut-In or New Zone	New		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 10/23/01 Rates: 0 Oil, 4 Wtr 2 MCFPD	Date: Rates:	Date: 12/22/01 Rates: 17 oil, 32 Wtr, 83 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % %	Oil Gas % %	Oil Gas 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

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

Form C-101
Revised March 17, 1999

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

¹ Operator Name and Address Chesapeake Operating, Inc. P. O. Box 18496 Oklahoma City, OK 73154-0496		² OGRID Number 147179	
³ Property Code 24402		³ API Number 30-025-35005	
⁵ Property Name Boyce 15		⁶ Well No. 2	

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	15	16S	35E		664	North	499	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

Townsend Permo Upper Penn

¹⁰ Proposed Pool 2

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

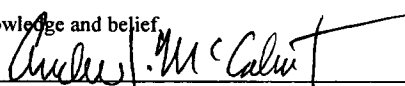
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	475'	495	Surf
12-1/4"	9-5/8"	40#	4225'	1640	Surf
7-7/8"	5-1/2"	17#	11,510'	1100	± 3700'

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

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

BOYCE 2-15				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 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.	
Commingle Zones					
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

BOYCE 2-15				15-16S-35E	Permian
Well #:	812304	AFE: 300284		LEA, NM	Strawn 11,600'
				WI: 92.000000	NRI: 69.000000
					Patterson 48
Date	Day	Footage Depth	Cost Cum Cost	Present Operation	
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, TOO H 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.	
				Change Pump	
10/09/01		0'	\$2,880	TOOH w/ 60 jts 2 7/8" tbg	
		11,510'	\$2,880	RU PU, TOO H w/ rods and pump, release anchor, ND wellhead, NU BOP, TOO H 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', TOO H w/ 60 jts 2 7/8" tbg.	
				Recomplete to Cisco	
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, TOO H 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		

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

Surface Location

UL or lot No. A	Section 15	Township 16 S	Range 35 E	Lot Idn	Feet from the 664	North/South line NORTH	Feet from the 499	East/West line EAST	County 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 40					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

<p>NM SPC NME NAD 27 Y-702255 X-774732</p>				<p>664' 499'</p>		<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 Barbara J. Bale Printed Name Regulatory Analyst Title 03/01/02 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>APRIL 3, 2000</p> <p>Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EIDSON 4/11/2000 66-11-0434</p> <p>Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641 MACON McDONALD 12185</p>							

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

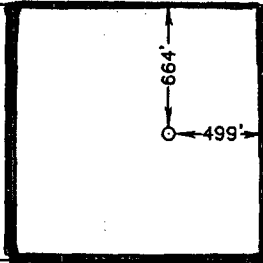
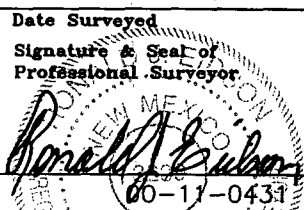
Surface Location

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

		NM SPC NME NAD 27 Y-702255 X-774732		OPERATOR CERTIFICATION
				<p>I hereby certify the the information contained hereth is true and complete to the best of my knowledge and belief.</p> <p><u>Barbara J Bale</u> Signature</p> <p><u>Barbara J. Bale</u> Printed Name</p> <p><u>Regulatory Analyst</u> Title</p> <p><u>03/01/02</u> Date</p>
				SURVEYOR CERTIFICATION
				<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><u>APRIL 3, 2000</u> Date Surveyed</p> <p><u>DC</u> Signature & Seal of Professional Surveyor</p> <p> <u>Ronald J. Eidson</u> 4/11/2000</p> <p>Certificate No. <u>RONALD J. EIDSON 3239</u> <u>GARY EIDSON 12841</u> <u>MACON McDONALD 12185</u></p>

<div style="border: 1px solid black; width: 100px; height: 100px; margin: 10px auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 10px auto;"></div>	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 10px auto;"></div>

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

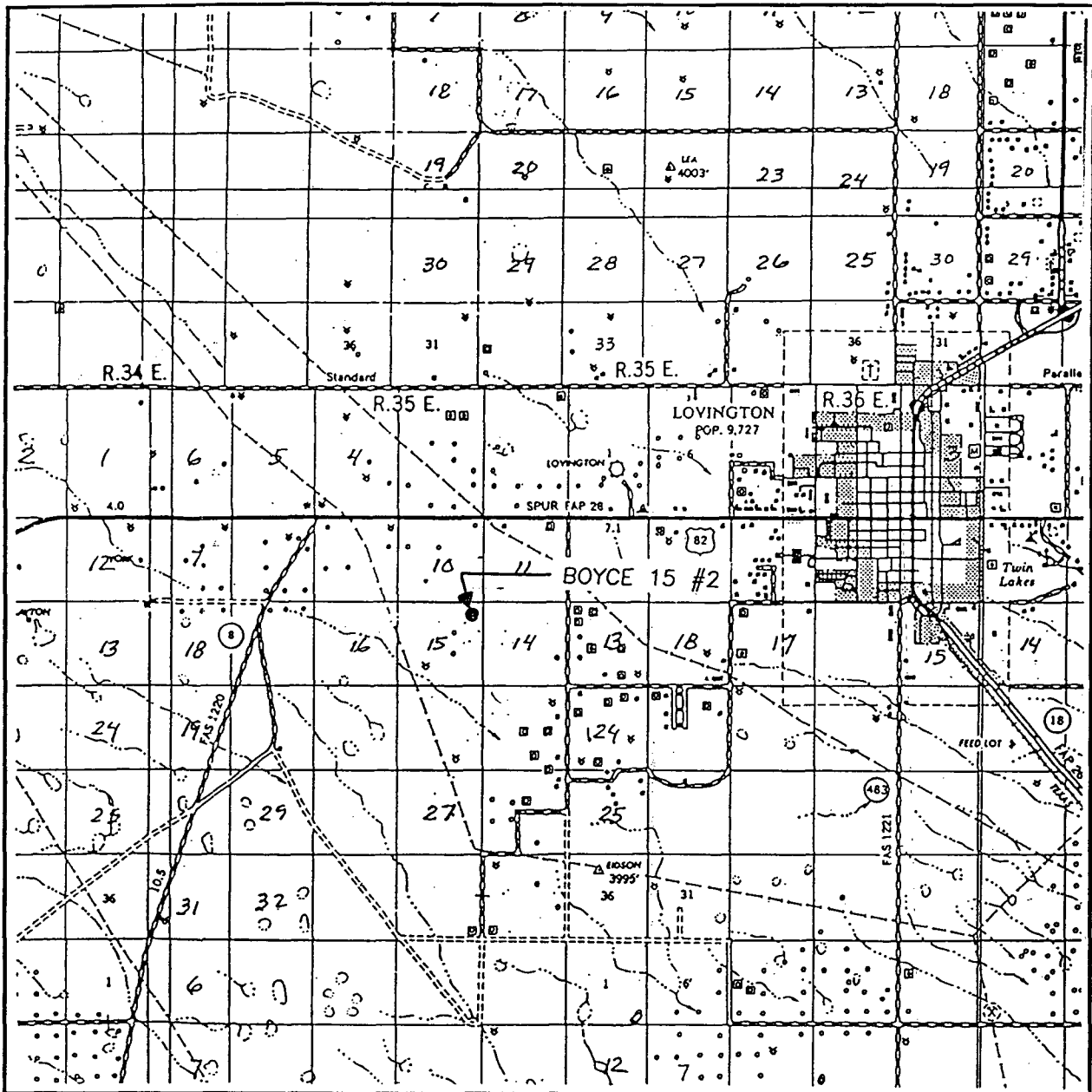
NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

NM SPC
NME NAD 27
Y-702255
X-774732

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

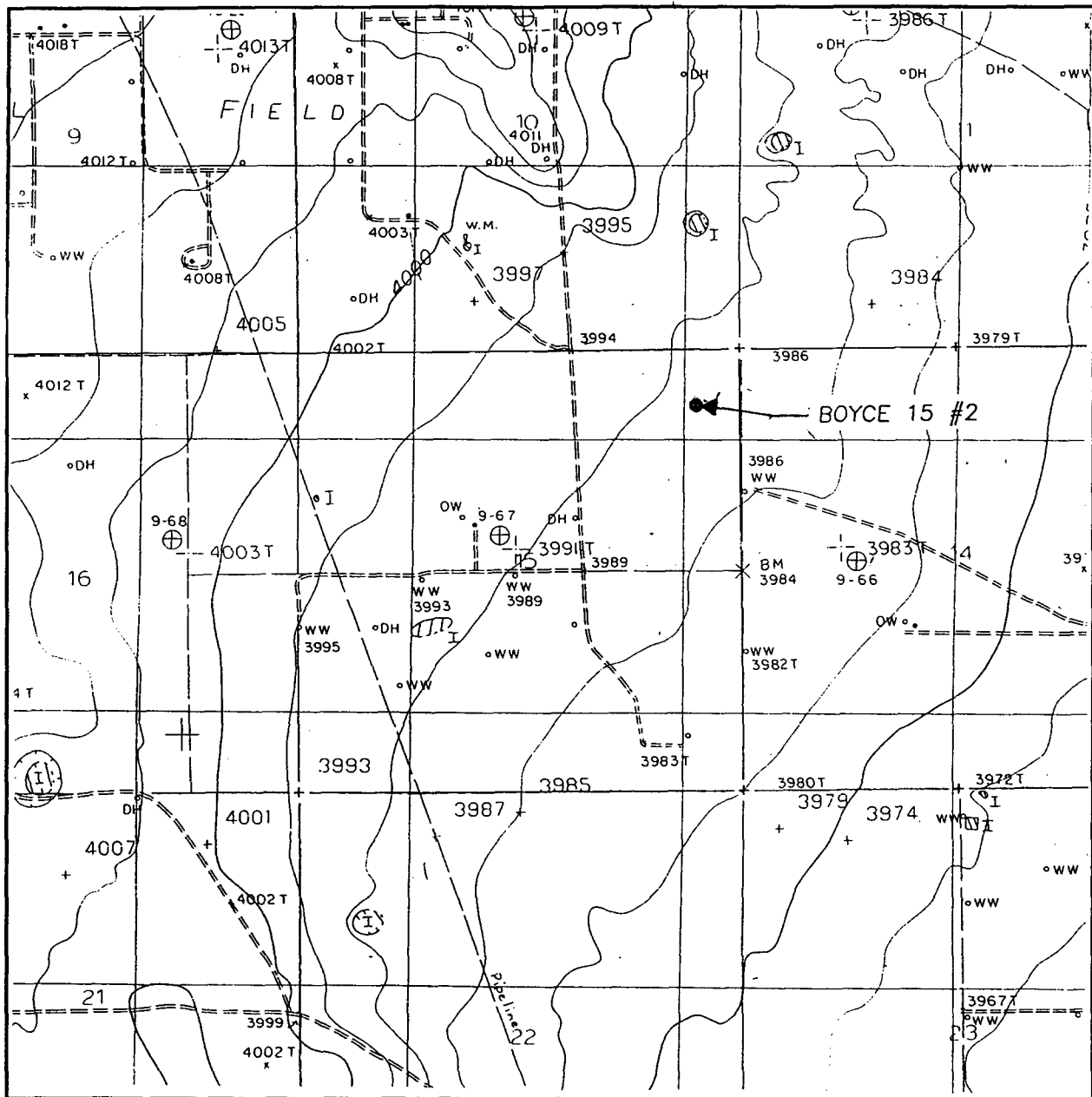
ELEVATION 3987

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)