

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., 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-103

May 27, 2004

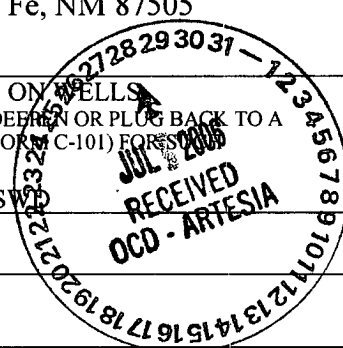
WELL API NO.	30-015-10259
5. Indicate Type of Lease	FED <input checked="" type="checkbox"/> STATE <input type="checkbox"/> <del>RR</del> <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Littlefield Federal SWD
8. Well Number	1
9. OGRID Number	147179
10. Pool name or Wildcat	Delaware

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐

2. Name of Operator  
Chesapeake Operating Inc.

3. Address of Operator  
P.O. Box 11050  
Midland, TX 79702-8050



4. Well Location  
Unit Letter B : 660 feet from the North line and 1980 feet from the East line  
Section 11 Township 24S Range 31E NMPM: County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3515 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Casing Repair ☒

OTHER: Casing Repair ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Chesapeake repaired the casing leak on this well, per the attached daily reports. Attached is the original chart for the mechanical integrity test which tested @ 450 psi for 30 mins. Well is now producing water.

*injecting*

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☒.

SIGNATURE [Signature] TITLE Regulatory Assistant DATE 07/27/2006

Type or print name Shay Stricklin E-mail address: sstricklin@chkenergy.com Telephone No. (432)687-2992

For State Use Only

APPROVED BY: [Signature] TITLE Gerry Guye Deputy Field Inspector District II - Artesia DATE AUG 2 2006

Conditions of Approval (if any):

**CHESAPEAKE OPERATING, INC.**

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

Page 1 of 4

**Operated Daily Activity Report**

**Status: DISPOSAL**

<b>LITTLEFIELD FEDERAL SWD 1</b>				<b>NW/4 NE/4 SECTION 1-24S-31E</b>		<b>Delaware Basin North</b>
<b>Well #:</b>	<b>890467</b>	<b>AFE:</b>	<b>400528</b>	<b>EDDY, NM</b>		<b>BELL CANYON 6,500'</b>
		<b>Footage</b>	<b>Cost</b>	<b>WI:</b>	<b>100.000000</b>	<b>NRI:</b> 100.000000
<b>Date</b>	<b>Day</b>	<b>Depth</b>	<b>Cum Cost</b>	<b>Present Operation</b>		
10/27/05		0'	\$1,900.00	Csg leaking to surface piping		
		6,500'	\$1,900.00	MIRU truck to run MIT, pressure csg to 150#, csg leaking to surface piping, Jerry Guye w/ OCD present advised to SI until csg leak was repaired, well disposes 1,800 - 2,100 BPW, MI workover to make repairs, need to advise OCD of work starting. <b>Repair Casing Leak</b>		
10/28/05		0'	\$15,784.00	Tally tbq, bleed down to frac tank and battery		
		6,500'	\$17,684.00	SITP 450#, MIRU Mesa WS, MIRU surface equipment, receive and unload 160 jts 4.7# 2 3/8" N-80 work string, remove thread protectors, tally tbq, bleed down to frac tank and battery, rec 100 BPH, SD.		
10/29/05		0'	\$25,326.00	24 hrs, 0 BO, 1,940 BW, 0 MCFG		
		6,500'	\$43,010.00	Well flowing back to battery @ 81 BPH, MI frac tank, 300 bbls 13# calcium carbonate based mud delivered, left well open, SITP 350#, 24 hrs, 1,940 BW, SFDN.		
10/30/05		0'	\$16,280.00	LD pkr		
		6,500'	\$59,290.00	Flowing back to battery 14 hrs, 1,009 BW, tie onto tbq, pump 110 bbls 13# mud down tbq to kill well, ND wellhead, NU BOP, release on/off tool, circ mud to surface, latch onto pkr, release pkr, POOH w/ 143 jts 2 3/8" Salta lined tbq, on/off tool and 4 1/2" Arrow Set pkr, RU Gray WL, RIH, set 4 1/2" CP @ 4,500', POOH, RD Gray WL, PU RIH w/ 4 1/2" CST pkr and tbq, set pkr @ 1,039', held pressure, POOH, hunting csg leak, squeeze perforations @ 1,000' - 1,004', taking fluid @ 2.5 BPM @ 800#, POOH to 10' from surface and csg, still leaking out surface pipe, LD pkr, SDFN.		
10/31/05		0'	\$0.00	SD 24 hrs, no activity		
		6,500'	\$59,290.00			
11/01/05		0'	\$8,339.00	RIH w/ 3 7/8" bit, 4 1/2" scraper and tbq to 4,490', POOH		
		6,500'	\$67,629.00	SICP 0#, RIH w/ 3 7/8" bit and tbq to 4,490', POOH, PU scraper, RIH w/ 3 7/8" bit, 4 1/2" scraper and tbq to 4,490', POOH, SDFN.		
11/02/05		0'	\$14,663.00	RIH w/ Ultra Sonic Imaging tool, log 4,500' to surface csg		
		6,500'	\$82,292.00	SICP 0#, RU Schlumberger WL, open, RIH w/ Ultra Sonic Imaging tool, log 4,500' to surface csg, csg in good shape up to 4' from surface and then looked bad, found TOC @ 335', hole in 4 1/2" csg @ 4' from surface, surface csg leaking, dug down 1.5' in cellar, cellar was cemented up, RD Schlumberger WL.		
11/03/05		0'	\$6,605.00	Set cmt retainer @ 813', pump into w/ 2 BPM @ 700# for 20 bbls		
		6,500'	\$88,897.00	SICP 0#, RIH w/ 4 1/2" cmt retainer and 28 jts 2 3/8" tbq, retainer would not set @ 876' or 844', set cmt retainer @ 813', pump into w/ 2 BPM @ 700# for 20 bbls, SDFN.		
11/04/05		0'	\$14,285.00	POOH w/ 26 jts 2 3/8" tbq		
		6,500'	\$103,182.00	SITP 0#, MIRU BJ Services, establish rate of 2 BPM @ 700#, pump 150 sx Class "H" cmt w/ additives @ 1 BPM - 400#, mix @ 15.6 ppg w/ 1.18 yield, stage displacement @ .25 BPM in 6 stages, total of 2.75 bbls, final squeeze pressure 710#, underdisplace .25 bbl, sting out of retainer, POOH w/ 26 jts 2 3/8" tbq, RDMO BJ Services, receive 5 jts 4 1/2" 11.6# J-55 LTC csg.		
11/05/05		0'	\$10,720.00	Weld plates on top of 8 5/8" and 4 1/2" csg		
		6,500'	\$113,902.00	SICP 0#, fill 4 1/2" csg w/ PW, ND BOP, ND wellhead, PU 4 1/2" spear w/ 6' extension and 2 7/8" x 4' P-110 sub, catch 4 1/2" csg, pull to 75,000#, would not come off slips (csg wt 61,000#), hammer wellhead w/ 11 wraps of primer cord pulling 75,000#, no movement in csg, cut out slips in wellhead, pull 75,000#, no movement vertical or horizontal, found a solid base in 8 5/8" csg 50" down around 4 1/2" csg, weld plates on top of 8 5/8" and 4 1/2" csg, SD.		
11/06/05		0'	\$9,055.00	RIH w/ tbq out of derrick		

07/27/06 3:00:00PM

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THIS INFORMATION MAY NOT BE SHARED WITH UNAUTHORIZED PERSONS WITHOUT THE WRITTEN CONSENT OF CHESAPEAKE.

**CHESAPEAKE OPERATING, INC.**

P. O. Box 18496  
OKLAHOMA CITY, OKLAHOMA 73154-0496  
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Page 2 of 4

**Operated Daily Activity Report**

Status: **DISPOSAL**

LITTLEFIELD FEDERAL SWD 1				NW/4 NE/4 SECTION 1-24S-31E		Delaware Basin North	
Well #:		890467		AFE: 400528		BELL CANYON 6,500'	
		Footage		Cost		Wi: 100.000000 NRI: 100.000000	
Date	Day	Depth	Cum Cost	Present Operation			
		6,500'	\$122,957.00	SICP 0#, dig out on one side of wellhead 5' deep, break out 18" piece of concrete in cellar, sides caved in too much to dig out, back fill hole, NU wellhead, NU BOP, RIH w/ tbg out of derrick, LD 2 3/8" workover string and 2 3/8" Salta-lined tbg, SDFN.			
11/07/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$122,957.00				
11/08/05		0'	\$15,212.00	Replace w/ new 6' piece 4 1/2" 11.6# and 6' piece 8 5/8" 24#			
		6,500'	\$138,169.00	ND BOP, cap 4 1/2", RD PU, move equipment around, dig out around 8 5/8" csg, 10' deep (5" hole in 8 5/8", 2' below bradenhead and 4 1/2" csg had 2" hole), found good csg 6' down, cut off 8 5/8" and 4 1/2" csg, replace w/ new 6' piece 4 1/2" 11.6# and 6' piece 8 5/8" 24#, weld on new 8 5/8" bradenhead, set 4 1/2" in slips, cap and SIW, back fill hole w/ dirt and caliche, level, set rig mats, RU PU, NU BOP, SDFN.			
11/09/05		0'	\$9,650.00	Drill on cmt retainer, circ clean, pull 1 jt			
		6,500'	\$147,819.00	Load csg, test to 500#, OK, PU RIH w/ 3 7/8" bit, 10 - 3 1/8" DCs and work string, tag cmt @ 797', PU power swivel, break circ, drill cmt down to 813', tag cmt retainer, drill on cmt retainer, drill up rubber and slips, circ clean, pull 1 jt, SDFN.			
11/10/05		0'	\$8,592.00	Drill retainer out, drill cmt to 933', circ clean, pull 1 jt			
		6,500'	\$156,411.00	SICP 0#, open, break circ, continue to drill cmt retainer @ 813', drill 6", quit drlg, POOH w/ tbg and DCs, change bit, RIH, tag retainer @ 813', drill retainer out, drill cmt to 933', circ clean, pull 1 jt, SDFN.			
11/11/05		0'	\$8,617.00	POOH			
		6,500'	\$165,028.00	SICP 0#, break circ, tag @ 933', drill cmt down to 985', fell out of cmt, circ clean, shut pipe rams, test to 500#, lost 160# in 30 min, POOH w/ tbg, DCs and bit, PU RIH w/ pkr and tbg, set pkr @ 1,084', pressure up, test plug to 1000#, OK, pull pkr, set @ 897', pump on squeeze perforations, establish rate of 3.7 BPM @ 1000#, release pkr, POOH, SDFN.			
11/12/05		0'	\$9,660.00	Establish rate w/ 3.5 BPM @ 1000#, prep location to squeeze			
		6,500'	\$174,688.00	SICP 0#, open, RIH w/ cmt retainer and tbg, circ through retainer, set retainer @ 852', test tbg to 1000#, OK, load, test annulus to 500#, OK, sting out of retainer, sting back into retainer, establish rate w/ 3.5 BPM @ 1000#, prep location to squeeze, SDFN.			
11/13/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$174,688.00				
11/14/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$174,688.00				
11/15/05		0'	\$17,165.00	POOH w/ tbg			
		6,500'	\$191,853.00	SICP 0#, RU Rising Star cementers, pressure annulus to 500#, tie onto tbg, pump 200 sx Class "C" w/ 1% calcium chloride w/ 47 BFW @ 2 BPM @ 900#, wash up, displace 2 bbls @ 1 BPM, SD 15 min, pump 1 bbl @ .25 BPM @ 1000#, left 600# on squeeze, sting out of retainer, reverse out, POOH w/ tbg, RD Rising Star cementers, SDFN.			
11/16/05		0'	\$8,309.00	Circ clean, pull 1 jt			
		6,500'	\$200,162.00	SICP 0#, open, RIH w/ 3 7/8" bit, 10 - 3 1/8" DCs and tbg, tag cmt retainer @ 852', PU power swivel, break circ, drill up rubber, slips and part of nose cone, bit worn out, POOH, change bit, RIH, drill nose cone, push it 5' to 857', circ clean, pull 1 jt, SDFN.			
11/17/05		0'	\$8,167.00	POOH w/ tbg, DCs and bit			
		6,500'	\$208,329.00	SICP 0#, tag cmt retainer @ 857', drill down to 1,016', fell out of cmt, close rams, test squeeze to 500#, lost 150# in 15 min, pull up to 897', close rams, pump into perforations @ 3.25 BPM @ 1000#, POOH w/ tbg, DCs and bit, bit had cone missing, SDFN.			

07/27/06 3:00:00PM

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Page 3 of 4

**Operated Daily Activity Report**

Status: **DISPOSAL**

LITTLEFIELD FEDERAL SWD 1				NW/4 NE/4 SECTION 1-24S-31E		Delaware Basin North	
Well #:	890467	AFE: 400528		EDDY, NM		BELL CANYON 6,500'	
		Footage	Cost	WI: 100.000000	NRI: 100.000000		
Date	Day	Depth	Cum Cost	Present Operation			
11/18/05		0'	\$10,442.00	POOH w/ tbg and pkr			
		6,500'	\$218,771.00	SICP 0#, open, RIH w/ pkr and tbg, tag up @ 1,039', POOH, PU bit, 2 DCs and tbg, tag up @ 1,039', attempt to work through spot, no success, POOH, PU 3 13/16" cone buster mill, 10 - 3 1/8" DCs and tbg, RIH, tag @ 1,039', mill to 1,064', fell free, PU tbg, RIH to 3,695', POOH w/ tbg, DCs and mill, PU RIH w/ pkr and tbg to 4,450', test plug to 500#, OK, POOH, test csg, found leak in csg 884' - 947', POOH w/ tbg and pkr, SDFN.			
11/19/05		0'	\$19,151.00	Pump 4 bbls 10 min apart, squeeze off @ 840#, RD Schlumberger			
		6,500'	\$237,922.00	SICP 0#, ND BOP, ND Larkin head, RU Schlumberger, NU cmt head, tie onto csg, pump 300 sx Class "C" w/ 2% calcium chloride w/ 72 BFW @ 14.8 ppg @ 580# @ 2 BPM, drop plug, displace w/ 8 bbls @ 1 BPM @ 500#, SD 15 min, pump 1 bbl @ .25 BPM, wait 10 min, pump 4 bbls 10 min apart, squeeze off @ 840#, RD Schlumberger, left SI.			
11/20/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$237,922.00				
11/21/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$237,922.00				
11/22/05		0'	\$10,569.00	POOH w/ tbg, DCs and bit			
		6,500'	\$248,491.00	SICP 0#, ND cmt head, NU Larkin head, NU BOP, RIH w/ 3 7/8" bit, 10 - 3 1/8" DCs and tbg, tag cmt @ 640', RU power swivel, break circ, drill cmt to 680', tag plug, drill plug and cmt, fell out @ 968', RIH to 1,065', circ clean, test csg to 500#, lost 150# in 15 min, POOH w/ tbg, DCs and bit, SDFN.			
11/23/05		0'	\$9,192.00	POOH w/ 30 jts tbg			
		6,500'	\$257,683.00	SICP 0#, open, RIH w/ 3 13/16" cone buster mill, 10 - 3 1/8" DCs and tbg, tag CP @ 4,500', RU power swivel, break circ, displace w/ 13# mud, drill plug out, went on vacuum, RIH w/ tbg, tag up @ 5,481', pump 90 bbls mud down tbg, never caught circ, POOH w/ 30 jts tbg, SDFN.			
11/24/05		0'	\$8,251.00	POOH w/ 32 jts tbg			
		6,500'	\$265,934.00	SITP 0#, SICP 0#, POOH w/ tbg, DCs and mill, RIH w/ 3 7/8" bit, DCs and tbg, tag @ 5,481', pull 1 jt, RU power swivel, pump 500 bbls lease water while rotating, never break circ, kick pump out, 500# on tbg, bleed pressure off, 2 BPM flow, RD swivel, POOH w/ 32 jts tbg, SDFN.			
11/25/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$265,934.00				
11/26/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$265,934.00				
11/27/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$265,934.00				
11/28/05		0'	\$0.00	SD 24 hrs, no activity			
		6,500'	\$265,934.00				
11/29/05		0'	\$18,737.00	Clean out to PBTD @ 6,500', circ clean, POOH w/ 32 jts tbg			
		6,500'	\$284,671.00	SITP 0#, SICP 0#, open, POOH to 2,000', break circ w/ lease water, displace mud out of csg, RIH, displace @ 3,300' and 4,500', tag fill @ 5,481', RU power swivel, break circ, clean out to PBTD @ 6,500', circ clean, POOH w/ 32 jts tbg, SDFN.			
11/30/05		0'	\$13,600.00	Set 4 1/2" Arrowset pkr @ 4,500', release on/off tool			
		6,500'	\$298,271.00	SITP 300#, SICP 300#, open, RIH to PBTD @ 6,500', POOH, LD 2 3/8" work string, DCs and bit, PU RIH w/ 4 1/2" injection pkr w/ pump out plug, on/off tool w/ 1 1/2" "F" profile @ 4,998' and 143 jts 2 3/8" Salta lined tbg, set 4 1/2" Arrowset pkr @ 4,500', release on/off tool, SDFN.			

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		Footage	Cost	WI: 100.000000	NRI: 100.000000
Date	Day	Depth	Cum Cost	Present Operation	
12/01/05		0'	\$19,685.00	Left 500# on annulus w/ N2	
		6,500'	\$317,956.00	SITP 0#, SICP 0#, open, displace annulus w/ pkr fluid, RU 300#, pump 10 bbls seal maker, latch onto pkr, pressure annulus to 300#, held, bleed pressure off, ND BOP, NU wellhead, pressure annulus to 500#, OK, left 500# on annulus w/ N2, SDFN.	
12/02/05		0'	\$7,776.00	Pump out plug @ pkr, left SI	
		6,500'	\$325,732.00	SITP 0#, RU chart, test csg, run chart 30 min @ 500#, lost 5# in 30 min, pump out plug @ pkr, left SI.	
12/03/05		0'	\$18,757.00	Flow back 150 BW, RTP	
		6,500'	\$344,489.00	SITP 660#, RU Cudd Pumping Service, tie onto tbg, pump 5,000 gals 15% NE-Fe @ 3 BPM, 1400#, flush w/ 30 BLW, ISIP 440#, 5 min 448#, 10 min 444#, 15 min 442#, RD Cudd, SI 1 hr, open and flow back 150 BW, start disposal, no leaks, RTP, RDMO.	
12/04/05		0'	\$0.00	24 hrs, 0 BO, 2,077 BW, 0 MCFG, TP 800#, CP 0#	
		6,500'	\$344,489.00		
12/05/05		0'	\$0.00	24 hrs, 0 BO, 1,085 BW, 0 MCFG, TP 800#, CP 0#	
		6,500'	\$344,489.00		
12/06/05		0'	\$0.00	24 hrs, 0 BO, 1,200 BW, 0 MCFG, TP 550#, CP 0#, FR	
		6,500'	\$344,489.00		

