

Submit 3 Copies To Appropriate District Office  
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

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30-015-32064
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Will 7A Fee	
8. Well Number	001
9. OGRID Number	147179
10. Pool name or Wildcat	Loving; Morrow, North

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 SUCH PROPOSALS.)		RECEIVED
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	MAR 25 2005	
2. Name of Operator Chesapeake Operating, Inc.		
3. Address of Operator P. O. Box 11050 Midland, TX 79702-8050	SANTA FE	
4. Well Location Unit Letter <u>A</u> : <u>725</u> feet from the <u>North</u> line and <u>1063</u> feet from the <u>East</u> line Section <u>7</u> Township <u>23S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3037 Gr		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
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 ☐

OTHER: Re-completion Morrow ☒

SUBSEQUENT REPORT OF:

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

OTHER: ☐

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.

Morrow Re-Completion Procedure:

See Attached.

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 Brenda Coffman TITLE Regulatory Analyst DATE 03/23/2005

Type or print name Brenda Coffman E-mail address: bcoffman@chkenergy.com Telephone No. (432)687-2992

For State Use Only TIM W. GUM  
DISTRICT II SUPERVISOR

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAR 29 2005

Conditions of Approval (if any):

**Will 7A Fee #1**  
**Re-Completion Procedure**  
**Eddy County, New Mexico**

**Revised 2/23/05**

**GENERAL INFORMATION**

Location: 725' FNL & 1063' FEL, S7 – T23S – R28E  
API No.: 35-015-32064

**WELL INFORMATION**

<u>String OD</u>	<u>Weight &amp; Grade</u>	<u>Depth</u>	<u>ID</u>	<u>Drift</u>	<u>Burst</u>	<u>TOC</u>
13-3/8"	48# H-40 STC	0' – 494'	12.715"	12.559"	1730	0'
9-5/8"	36# J55 LTC	0' - 2430'	8.921"	8.765"	3520	0'
7"	26# L80 LTC	0' - 9500'	6.276"	6.151"	7240	~6800'
4-1/2"	13.5# L80 LTC	9286' - 12540'	3.920"	3.795"	9020	9286'

Existing Lower Morrow "B" perfs: 12392 – 12426'  
Proposed Additional Lower Morrow "B" perfs: 12267 – 79'  
Proposed Atoka perfs: 11288 – 92'  
TD/PBTD: 12540' / 12510'

**Note:** Obtain pressure buildup data prior to workover.

**Morrow Re-Completion Procedure:**

1. MIRU Slick Line Service Company. Set a plug in the bottom 'X' nipple ~12,358'.
2. Pressure test plug and tubing with N2 to 5000#.
3. MIRU Service Rig and requisite equipment. Bleed pressure off tbg & load w/ 7% KCl wtr. ND tree & NU 5K Hydraulic BOP.
4. Release tubing at on/off tool. Swab back side fluid down to 1000# hydrostatic above BHP from recent pressure survey.
5. Load tbg w/ one tubing volume of Methanol. Top off w/ 7% KCL to displace to EOT. Latch back on to on/off tool.
6. MIRU RU Slick Line. Pull plug from packer.
7. Displace Methanol into formation w/ ~ one tubing volume of 7% KCl water to kill well. Stop pump w/ calculated hydrostatic 2000# above BHP from pressure survey data. Allow tbg to balance. Ensure well is dead.
8. Release packer & POOH w/ tbg & Hornet packer.
9. RU Electric Line & TIH w/ 4-1/2" Arrow Pak packer (Retrievable Seal-Bore Packer) w/ profiles as follows: Re-entry guide, 4' sub, 'XN' nipple, 10' sub, 'X' nipple, 4' sub, Arrow Pak. Set Arrow PAK tool above lower Morrow perforations at 12,350'.
10. TIH w/ latch in seal assembly and tubing. Latch into packer. Test backside to 2000#.

11. Swab well in for clean up & production test to ensure viability of existing zone following kill operations. If required, an Isosol treatment may be warranted. Recommendation will be under separate cover. Flow for clean up & production test.
12. Set plug in 'XN' profile nipple. Pressure test plug w/ nitrogen to 5K. Bleed pressure off. Load tbg w/ 7% KCl & ND tree, NU BOP. Release from packer & POOH w/ tbg and seal assy.
13. Load casing w/ 7% KCl wtr. Perforate additional Morrow "B" 12267 – 79' w/ 3 3/8" HSD casing guns loaded @ 120° phasing, 4 JSPF, 27 gram premium charges.
14. Lubricate in hole with an Arrow Set 1 packer. Run with a plug in place (as warranted) in the on/off tool. No subs below. Set at 12,220'. Note: if well indicates flow potential, run plug in place in on/off tool.
15. RIH w/ tbg and overshot, (circ top of plug clean if ran) and latch on to packer. Space out tbg, NDBOP and NU tree. (Pull plug with SL if ran). Swab well in for production test. Note: If acid treatment is required, acidize w/ 2000 gal of 7.5% HCL "Morrow" acid with 30% Methanol by volume. Foam with 1000 SCF nitrogen per Bbl in treatment & flush. Max rate 5 BPM, max pressure 7000 psi. Swab in and flow for production test & clean up.
16. Set plug in Arrow Set I profile. Pressure test plug w/ nitrogen to 5K. Bleed pressure off plug & load tbg w/ 7% KCl.
17. ND tree & NU BOP. Release off on/off tool. Circ hole w/ clean fluid system calculated to hold Atoka formation - 11# system. POOH w/ tubing.
18. RU electric line & perforate the Atoka 11288 – 92' w/ 4 JSPF w/ 3 3/8" HSD casing guns at 120 degree phasing, 27 gram premium charges.
19. TIH w/ overshot w/ J slot cut out (a no-latch seal assembly) and space out a 20' stainless steel blast jt across the Atoka perfs. Space tubing to run a 7" hydraulic set dual string packer to be set ~9256, 30' above the liner top. Run an 'X' nipple on the mandrel below the offside of the packer with a plug in place. Run a 10' sub with on/off tool on the long side above the hydraulic packer and remainder of 2-3/8" tubing. Space out and set long string off in wellhead w/ dual hanger. Land with 15 points into the seal assembly. Note: It will be required to pressure up tbg to set 7" packer. Follow manufacturer's specs. Pick up on string to verify hydraulic packer is set.
20. RIH w/ 2-1/16" short string. Tag top of hydraulic packer. Circulate packer fluid to displace 11# system from 7" annulus then latch into offside of dual packer. Note: Run short sub and a SN above latch in assy. Space out and land Atoka string in dual hanger. Pressure test backside to 2000#.
21. ND BOP & NU Dual Tree.
22. RU coil tbg unit. RIH & circ 11# fluid from long string & clean off plug in Arrow Set packer. Pull plug out of hole and jet tbg clean. Flow Morrow for clean up & production test.
23. Strip in and clean off plug below Arrow Pac tool. Pull plug. Note: If unable to pull plug, RU electric line & shoot off lower plug in sub above.
24. TIH w/ standing/check valve on slick line and set in profile below Arrow Pac tool.
25. Run coil tbg down short string (Atoka). Circulate top of plug clean and pull plug. Jet Atoka in if required and flow for clean up & production test.
26. If required, acidize the Atoka w/ 2000 gals 15% HCl. Over-flush with 20 bbl 2% KCl. Swab in/ flow back to bring in Atoka.
27. RDMO.