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 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.

Is pit or below-grade tank covered by a "general plan"? Yes \( \subseteq \) No \( \subseteq \)

Type of action: Registration of a pit or below-grade tank \( \subseteq \) Closure of a pit or below-grade tank \( \subseteq \)

office

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe

Form C-144

June 1, 2004

## Santa Fe, NM 87505 Pit or Below-Grade Tank Registration or Closure

\_Telephone: 432-687-2992 e-mail address: SSTRICKLIN@CHKENERGY.CO Operator: CHESAPEAKE OPERATING. INC. Address: P. O. BOX 11050 MIDLAND, TEXAS 79702-8050 Facility or well name: JJ 1 FEDERALWELL 004 API#: 30-005-63711 \_\_\_U/L or Qtr/Qtr M Sec I T 10S <sub>R</sub> 25E County: CHAVES \_\_\_ Longitude \_\_\_\_ Latitude \_\_\_\_\_ NAD: 1927 🔲 1983 🔲 Surface Owner: Federal 🔲 State 🔲 Private 🔀 Indian 🔲 Below-grade tank Type: Drilling X Production Disposal Volume: \_\_\_\_bbl Type of fluid: \_\_\_ Construction material: Lined X Unlined Double-walled, with leak detection? Yes  $\square$  If not, explain why not. Liner type: Synthetic X Thickness 12 mil Clay Pit Volume 12,139 bbl Depth to ground water (vertical distance from bottom of pit to seasonal Less than 50 feet (20 points) high water elevation of ground water.) 50 feet or more, but less than 100 feet (10 points) 100' +100 feet or more (0 points) 0 (20 points) Wellhead protection area: (Less than 200 feet from a private domestic Yes water source, or less than 1000 feet from all other water sources.) ( 0 points) 0 No Distance to surface water: (horizontal distance to all wetlands, playas, Less than 200 feet (20 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more ( 0 points) 0 Ranking Score (Total Points) If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if . (3) Attach a general description of remedial action taken including your are burying in place) onsite X offsite I If offsite, name of facility\_\_\_\_ remediation start date and end date. (4) Groundwater encountered: No X Yes T If yes, show depth below ground surface (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: A SIDE DEEP BURIAL TRENCH WAS EXCAVATED NEXT TO THE PIT. THE TRENCH WAS LINED WITH A 20 MIL SYNTETIC LINER. THE PIT CONTENTS WERE THEN PLACED INTO THE LINED TRENCH. THE SIDES OF THE TRENCH WERE FOLDED OVER THE CONTENTS AND A TOP COVER OF 20 MIL SYNTHETIC LINER WAS SEWED IN PLACE, THREE FEET OF TOP SOIL WAS PLACED ON TOP OF THE LINED TRENCH AND COMPACTED. THE ORIGINAL PIT WAS BACKFILLED WITH CLEAN SOIL, COMPACTED, AND LEVELLED TO GRADE. CONFIRMATION SAMPLES WERE TAKEN FROM THE EXCAVATED PIT PRIOR TO BACKFILLING AND ARE ATTACHED. THE PIT CLOSURE WAS STARTED ON NOVEMBER 27, 2006 AND COMPLETED ON DECEMBER 11, 2006.

ate: 12/22/06
CLIFF BRUNSON, PRESIDENT, BBC INTL.
rinted Name/Title FOR CHESAPEAKE OPERATING, INC
Spinor - To the crise of British
CONTRACTOR AND
our certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or
herwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or
nnroval:
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pproval: rinted Name/Title Mike Brange Distrate Signature Will Brancusa Date: 1/8/07

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





PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR BBC INTERNATIONAL, INC. ATTN: CLIFF BRUNSON P.O. BOX 805 HOBBS, NM 88241 FAX TO: (505) 397-0397

Receiving Date: 12/12/06 Reporting Date: 12/13/06 Project Number: NOT GIVEN

Project Name: JJ FEDERAL WELL #4

Project Location: ROSWELL, NM

Analysis Date: 12/12/06 Sampling Date: 12/08/06 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: AB

LAB NO. SAMPLE ID (mg/Kg)

H11882-1 PIT BOTTOM 80

Quality Control 490

True Value QC 500

Recovery 98

Relative Percent Difference 2.0

METHOD:	Sta	nda	rd Me	ethods		4500-Cl <sup>-</sup> B	
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NOTE: Analysis performed on a 1:4 w:v aqueous extract.

ide S. Morino
Chemist

12-13-06

H11882

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy tor any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

## ARDINAL LABORATORIES, INC

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.