Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

JUN Q Y ZOTU

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS TO SOLD			NM12412	
Do not use this form for abandoned well. Use For	proposals to drill	or to re-enter an		6 If Indian, Allottee or Tribe Name
SUBMIT IN TRIPLICA	TE - Other instruction	ons on page 2		7. If Unit or CA/Agreement, Name and/or No
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator				8. Well Name and No. Lusk 23 Federal 2
## EOG Resources Inc. 3a Address		9. API Well No 30-025-36720 10 Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec., T, R., M., or Survey 330' FSL & 330' FEL, U/L P SHL 579' FSL & 531' FEL, U/L P BHL 12. CHECK APPROPRIAT		DICATE NATURE OF NO	OTICE, REF	Lusk; Morrow (Gas) 11 County or Parish, State Lea NM PORT, OR OTHER DATA
TYPE OF SUBMISSION		TYP	E OF ACTIO	N
X Notice of Intent	Acidize	Deepen	Product	ion (Start/Resume) Water Shut-Off
Subsequent Report Final Abandonment Notice	Alter Casing Casing Repair Change Plans Convert to Injects	Fracture Treat New Construction Plug and Abandon Plug Back	Recomp Tempor X Water D	olete Other
13. Describe Proposed or Completed Operation (clearl If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per following completion of the involved operations testing has been completed. Final Abandonment I determined that the final site is ready for final inspired.	ollete horizontally, give strormed or provide the lift the operation results in Notices shall be filed or	ubsurface locations and measu Bond No. on file with BLM/B n a multiple completion or rec	ired and true value of the Required completion in	vertical depths of all pertinent markers and zones I subsequent reports shall be filed within 30 days a new interval, a Form 3160-4 shall be filed once

Request for approval of method for produced water disposal. Water disposal information sheet is attached.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

5WD-684					
14. I hereby certify that the foregoing is true and correct Name (Printed Typed) Stan Wagner	Title Regulatory Analyst				
Signature fla Ways	Date 5/18/10				
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Approved by D. Whittook & EG 6-14-1	O Title Date 6/8/10				
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify the applicant tooks legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CFO				

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Water Production & Disposal Information

Lusk 23 Fed #2

In order to process your disposal request, the following information must be completed:

1. Name	of formations producing	water on the lease.		Morrow	
2. Amoun	t of water produced from	n all formations in ba	rel per day.	2 BWPD	
3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. (one sample will suffice if the water is commingled) Attached					
4. How wa	ater is stored on the lea	se.	500 BBL Fib	erglass Tank	
5. How wa	ater is moved to the dis	oosal facility.		Truck	
6. Identify	the Disposal Facility by	<i>y</i> :			
	A. Facility Operators I	Name. N	larbob Energ	gy Corporation	
	B. Name of facility or	well name & number.	Sand Ta	ank 32 State Com	2
	C. Type of facility or w	vell (WDW) (WIW) et	o	WDW	
	D. Location:	1650 FSL & 1650 F	EL		
	1/4 1/4 SWNE	Section 32	Township	17S Range	30E

7. Attatch a copy of the State issued permit for the Disposal Facility

Submit 1 original and 5 copies on Sundry Notice 3160-5



Martin Water Laboratories, Inc.

Analysts & Consultants since 1953
Bacterial & Chemical Analysis

TO: Mr. Mike Lamothe

PO Box 1656

Monahans, TX 79756

LABORATORY #:

110-88

SAMPLE RECEIVED:

1-7-10

RESULTS REPORTED:

1-12-10

COMPANY:

Monachem, Inc.

COUNTY:

FIELD:

LEASE:

EOG - Lusk 23 #2

SUBJECT:

To determine composition of solids filtered from top phase of sample.

COMPOSITION OF SOLIDS	PERCENT
Iron Oxide, as Fe ₂ O ₃	30.31
Calcium Carbonate, as CaC03	1.36
Calcium Sulfate, as CaSO _{(*} 2H ₂ 0	4.27
Barium Sulfate, as BaSO4	0.00
Organic (Chlorothene Soluble) - 511	53.23
Other Organic	9.08
*Other Acid Insoluble	1.75

^{*}Microscopic examination indicated this to be small size sand ranging from 25-30µ.

Remarks: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

Greg Ogden, B.S.

Martin Water Laboratories, Inc.

P.O. BOX 98 MIDLAND, TX. 78702 PHONE (432) 683-4521

DECINT OF WATER ANALYSES

709 W. INDIANA MIDLAND, TEXAS 79701 FAX (432) 682-6819

3HONE (435) 883-4351	RESULT OF WATER	MNALTSES	1.	10 01	
	LABORATORY NO.			1-7-10	
Mr. Mike Lamothe		SAMPLE RECEIVED			
PO Box 1656, Monahans, TX 79756		1.	-11-10		
		EO	3		
COMPANY Monachem	l	EASE	J		
SECTION BLOCK SURVEY	COUNTY	STATE	:		
COURCE OF SAMPLE AND DATE TAKEN:					
NO. 1 Lusk 23 #2.					
NO. 1					
NO. 2			_		
NO. 3					
NO. 4				······································	
REMARKS:					
СН	EMICAL AND PHYSIC		110.2	NO. 4	
	NO. 1	NO. 2	NO. 3	NO. 4	
Specific Gravity at 60° F.	1.0250				
pt4 When Sampled		 		 	
pH Whan Received	6.70	_		 	
Significants as HCO,	598		· · · · · · · · · · · · · · · · · · ·		
Supersaturation as CaCO,					
Undersaturation as CaCO,				 	
Total Hardness as CaCO,	3,450				
Calcium as Ca	740				
Magnealum as Mg	389			·	
Sedium and/or Potassium	12,585			 	
Sulfate sa SO,	267			 	
Chlorida as CI	21,300			 	
tron as Fe	1222.70				
Badum as Ba	0				
Turbidity, Electric		_			
Color as Pt				<u> </u>	
Total Bolids, Calculated	35,885			1	
Temperature *F.				+	
Cerbon Dioxide, Calculated	197				
Dissolved Oxygen,					
Hydrogan Sulfida	0.0			—	
Resistivity, chmain at 77° F.	<u> </u>		, , , , , , , , , , , , , , , , , , , ,		
Sursported Oil	Madamta			1	
Filterial Bodds Rates Axxxxxxx Corrosiveness	Moderate None				
xVewer-fillereder-Barium Sulfate Scaling Tendenc	-0.32	1	· · · · · · · · · · · · · · · · · · ·		
CaCO3 S.I. @ 77° F. (Stiff-Davis)	0.30				
CaCO3 S.I. @ 122° F. (Stiff-Davis)	None		· · · · · · · · · · · · · · · · · · ·		
Calcium Sulfate Scaling Tendency	Results Reported As Mill	Igrams Per Liter			
Additional Dataminations And Remarks					
CaCO3 S.L A positive fig. signifies a scaling potential	of proportionale to the mat	mitude of the number, and a	negative fig. signifies	no scaling potential.	
CoCU3 S.L - A positive ng. signifies a scanning process	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				
Please feel free to contact us for any details	or discussions conce	rning these results.			
Liegze lest ties to confinct its for any desaits	NA MANUAL PROPERTY.	1			
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Greg Ogden, B.S.

Form No. 3



NEW LEXICO ENERGY, MILIERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor

Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division



AMENDED ADMINISTRATIVE ORDER SWD-684

APPLICATION OF MARBOB ENERGY CORPORATION FOR AN AMENDMENT TO DIVISION ORDER SWD-684 FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Marbob Energy Corporation made application to the New Mexico Oil Conservation Division on July 16, 2001, for permission to expand the injection interval in its Sand Tank "32" State Com Well No. 2 located 1650 feet from the South line and 1650 feet from the East line (Unit J) of Section 32. Township 17 South, Range 30 East, NMPM, Eddy County. New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations: and
- (2) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.

IT IS THEREFORE ORDERED THAT:

The applicant herein, Marbob Energy Corporation is hereby authorized to complete its Sand Tank "32" State Com Well No. 2 located 1650 feet from the South line and 1650 feet from the East line (Unit J) of Section 32, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Wolfcamp formation at approximately 8,510 feet to 9,100 feet through 2 7/8-inch or 3 1/2-inch plastic-lined tubing set in a packer located at approximately 8,410 feet.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 1702 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Wolfcamp formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

The operator shall submit monthly reports of the disposal operations in accordance with Division Rules and Regulations on Form C-115, Operator's Monthly Report.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate on December 1, 2001, if the operator has not commenced injection operations into the subject well, provided however, the

Amended Administrative Order SWD-684 Marbob Energy Corporation August 24, 2001 Page 3

Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 24th day of August, 2001.

LORI WROTENBERY, Director

LW/DRC

xc: Oil Conservation Division - Artesia

State Land Office - Oil & Gas Division

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Disposal of Produced Water From Federal Wells Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

- This agency shall be notified of any change in your method or location of disposal.
- 2. Compliance with all provisions of Onshore Order No. 7.
- 3. This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- 5. All above ground structures on the lease shall be painted Shale Green (5Y 4/2), or as per approved APD stipulations. This is to be done within 90 days, if you have not already done so.
- 6. Any on-lease open top storage tanks shall be covered with a protective cover to prevent entry by birds and other wildlife.
- 7. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
- 8. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.
- 9. Subject to like approval by NMOCD.

3/25/2010