AP-94 Marbob Scratch State Corn No 1, Lea County

"drilling fluid leak through rupture of plastic liner"
12 mil plastic liner under Rule 50

one form says GW > 100 feet (C-144 dated Dec 13, 2004),
another form says GW < 50 ft (C-144 dated September 21, 2007)

April 2005 - well spudded
August 2007 - form C-141 submitted "compromised pit" encountered wet soils and water at 40 ft bgs; "most of pit material has been removed"
August 2007 - soil investigation
Sept 2007 - monitoring well 1 east side of pit
Oct 2007 - monitoring well 2 (north side of pit) and 3 (south side of pit) developed
August 2008 - Stage 1 Abatement Plan requested - agency claims Marbob should have submitted a second C-141 back in October 2007 when they determined groundwater impacts occurred

Monitoring well - first sampling event
MW1 - 396 mg/l Cl
MW2 - 45,590 mg/l Cl

second sampling event
MW1 - 708 mg/l Cl
MW2 - no data
MW3 - 472 mg/l Cl (purged 1/2 gallon)

october sampling event
MW1 - 2260 mg/l Cl
MW2 - 42,800 mg/l Cl
MW3 - 400 mg/l Cl

Jan sampling event
MW1 - 35,200 mg/l Cl
MW2 - 44,400 mg/l Cl

AP - 094

GENERAL CORRESPONDENCE

2008 - 2007

AP094

COPY

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

AUGUST 18, 2008

Mr. Rand French
Marbob Energy Corporation
P.O. Box 227
Artesia, NM 88211

RE: REQUIREMENT TO SUBMIT ABATEMENT PLAN
MARBOB ENERGY - SCRATCH STATE DRILLING PIT
SECTION 24, TOWNSHIP 18 SOUTH, RANGE 33 EAST
LEA COUNTY, NEW MEXICO
OCD CASE NO. AP094

Dear Mr. French:

The Oil Conservation Division (OCD) has determined that Marbob Energy (Marbob) must submit a Stage 1 Abatement Plan in accordance with OCD Rule 19 (19.15.1.19 NMAC) to investigate ground water contamination at its Scratch State drilling pit, located in Section 24, Township 18 South, Range 33 East, Lea County, New Mexico. The Stage 1 Abatement Plan proposal must be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and must meet all of the requirements specified in OCD Rule 19 (19.15.1.19 NMAC), including, but not limited to, the public notice and participation requirements specified in Rule 19G. The Stage 1 Abatement Plan is due sixty (60) days from the receipt by Marbob of this written notice.

Marbob's Stage 1 Abatement Plan must specifically meet all of the requirements specified in OCD Rule 19E.3, including, but not limited to, a site investigation work plan and monitoring program that will enable it to characterize the release using an appropriate number of isoconcentration maps and cross sections and to provide the data necessary to select and design an effective abatement option. Marbob may, if it chooses, concurrently submit a Stage 2 Abatement Plan that addresses appropriate proactive abatement options.

Marbob submitted timely verbal and written notification to OCD when it discovered potential ground water contamination on August 24, 2007. Marbob indicated that it did not know the extent of the impacts at the time that it submitted its C-141. In September 2007 Marbob

conducted additional soil and ground water investigation. Laboratory analysis conducted in early October 2007 confirmed that Marbob had contaminated ground water. However, Marbob did not inform OCD that it had confirmed a ground water release; rather it continued to sample ground water several times. On July 11, 2008, Glenn von Gonten of my staff contacted Cliff Brunson and asked about the status of this case. Mr. Brunson indicated that he would send OCD the analytical data; however, it was only after three more reminders from OCD that the analytical data was finally submitted. The appropriate approach for Marbob was to have submitted a second C-141 in October 2007 when it confirmed that ground water had indeed been contaminated. This is the last time that OCD will choose not to take enforcement action for Marbob's failure to comply with Rule 116 and to promptly submit confirmatory analytical data to OCD in a timely manner.

Marbob should submit one paper copy with and an electronic copy on CD of all future workplans and/or reports. Please refer to ***OCD Case No. AP094*** on all future correspondence. If you have any questions, please contact Glenn von Gonten of my staff at (505) 476-3488.

Sincerely,

Wayne Price
Environmental Bureau Chief

WP/gvg

cc: Chris Williams
Larry Johnson

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

RECEIVED
2007 AUG 31 P 12:16

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company: Marbob Energy Corp.	Contact: Cliff Brunson - BBC International
Address: PO Box 227 Artesia, NM 88211	Telephone No.: 505-397-6388
Facility Name: Scratch State	Facility Type: Oil well / Drilling Pit

Surface Owner: State of NM	Mineral Owner: State	Lease No.:

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	24	18S	33E	1980	North	660	West	Lea.

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release: Pit Liner	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Pit	Date and Hour of Occurrence: ?	Date and Hour of Discovery: 8/20/07 9:30 a.m.
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Daniel Sanchez - phone; Wayne Price - email	
By Whom? Rand French & Cliff Brunson	Date and Hour: 8/20/07 - 2:07 pm	
Was a Watercourse Reached? ☑ Yes ☐ No	If YES, Volume Impacting the Watercourse: Unknown	

If a Watercourse was Impacted, Describe Fully.*

Do not know the extent of impacts at this time

Describe Cause of Problem and Remedial Action Taken.*

Compromised Pit - was in the process of a dig-n-haul, along with delineating Chlorides. Forty feet below ground surface wet soils and water was encountered.

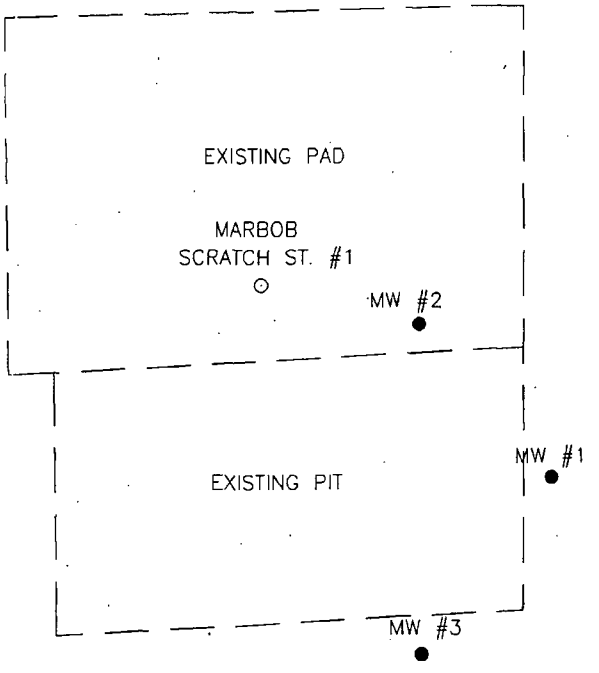
Describe Area Affected and Cleanup Action Taken.*

Unknown at this time. Most of the Pit material has been removed. The back side of Pit was free of chlorides @ 12' feet.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Rand French	OIL CONSERVATION DIVISION
Printed Name: Rand French	Approved by District Supervisor:
Title: Wildlife Biologist	Approval Date: / Expiration Date:
E-mail Address: wildlife@marbob.com	Conditions of Approval: / Attached ☐
Date: 8/24/07 Phone: 748-3303	

* Attach Additional Sheets If Necessary



WELL	COORDINATES	ELEVATIONS
MW #1	631744.7 N 759929.6 E	NATURAL GROUND – 3891.36' TOP OF PVC – 3894.31' TOP OF CONCRETE – 3891.47'
MW #2	631831.0 N 759853.6 E	NATURAL GROUND – 3893.55' TOP OF PVC – 3896.50' TOP OF CONCRETE – 3893.76'
MW #3	631645.9 N 759855.5 E	NATURAL GROUND – 3891.82' TOP OF PVC – 3894.78' TOP OF CONCRETE – 3892.05'

NOTE: COORDINATES SHOWN ARE "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.

100 0 100 200 FEET

Scale: 1"=100'

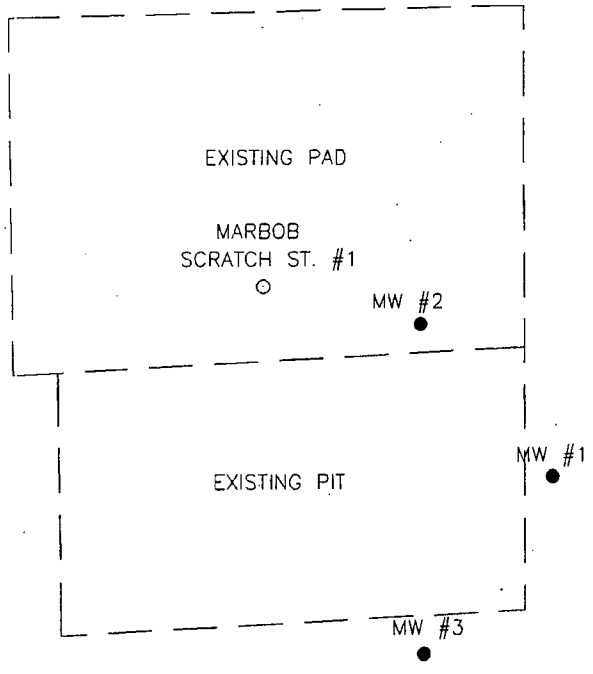
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

BBC INTERNATIONAL, INC.

SCRATCH STATE COM #1

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 10/22/007		Sheet 1 of 1 Sheets	
W.O. Number: 07.11.1397		Drawn By: L.A.	
Date: 10/26/07	DISK: CD#6	07111397	REV:8/7/08



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NOTE: COORDINATES SHOWN ARE "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.

100 0 100 200 FEET

Scale:1"=100'

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SCRATCH STATE COM #1

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 10/22/007		Sheet 1 of 1 Sheets	
W.O. Number: 07.11.1397		Drawn By: L.A.	
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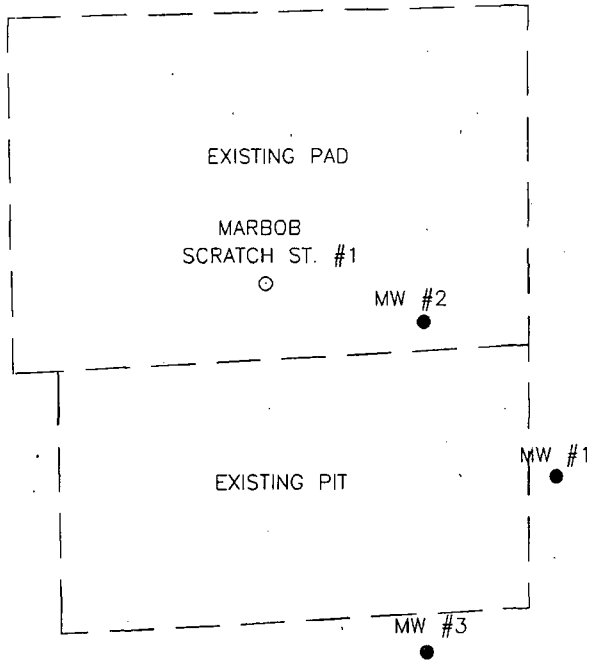

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NOTE: COORDINATES SHOWN ARE "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.

100 0 100 200 FEET

Scale:1"=100'

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SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
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BBC INTERNATIONAL, INC.

SCRATCH STATE COM #1

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 10/22/007		Sheet 1 of 1 Sheets	
W.O. Number: 07.11.1397		Drawn By: L.A.	
Date: 10/26/07	DISK: CD#6	07111397	REV:8/7/08

30-025-36996

Activities Summary – Marbob Scratch State #1

BBC began performing field screens for chloride on soil samples from the pit bottom at Scratch State Com #1 on August 9, 2007. Chloride levels in soil samples in the north half of the pit continued to exceed NMOCD guidelines as the depth for sample collection increased. The north half of the excavation continued to deepen as samples were screened. On August 20, 2007, groundwater was encountered at approximately 40 feet below ground surface in the northeast corner of the excavation. A trench of similar depth was excavated at the northwest corner however no water was encountered at that location.

On September 10, 2007, BBC contracted Eco/Enviro Drilling to place a monitoring well (MW1) near the northeast corner of the excavation. MW1 was located on the east side of the pit near the north corner. Four soil samples were collected during drilling of MW1. At 35 feet bgs chloride content was less than 16 parts per million (ppm or mg/Kg), the 40 foot sample contained 3,919 ppm, the 45 foot sample contained 3,479 ppm, and the 50 foot sample showed 208 ppm. Drilling ceased at 50 feet bgs and the well was set with a 2 inch casing and 15 feet of 0.20 mm screen. The well was not yet vaulted, and BBC developed MW1 in the afternoon of the same day. 12.77 feet of water (2.08 gallons) existed in the well and 6.24 gallons were purged.

On September 11, 2007, BBC sampled the groundwater for chloride at MW1. The sample contained 396 ppm (mg/L).

Eco/Enviro Drilling returned on September 27-28, 2007 to install the second and third monitoring wells (MW2 and MW3). MW2 was placed on the north side of the excavation and toward the east corner. Five soil samples were collected during drilling of MW2. At 35 feet bgs chloride content was 9,800 ppm, the 40 foot sample contained 5,040 ppm, the 45 foot sample contained 3,240 ppm, the 50 foot sample showed 5,040 ppm, and the 55 foot sample contained 528 ppm. Drilling ceased at 55 feet bgs and the well was set with a 2 inch casing and 15 feet of 0.20 mm screen. The well was not yet vaulted. MW3 was placed on the south side of the excavation directly south of MW2. Five soil samples were collected during drilling of MW3. At 35 feet bgs chloride content was 48 ppm, the 40 foot sample contained 64 ppm, the 45 foot sample contained 192 ppm, the 50 foot sample showed 176 ppm, and the 55 foot sample contained 64 ppm. Drilling ceased at 55 feet bgs and the well was set with a 2 inch casing and 15 feet of 0.20 mm screen. The well was not yet vaulted. BBC developed MW2 on the afternoon of September 28, 2007. 14.05 feet of water (2.29 gallons) existed in the well and 6.87 gallons were purged. Since MW3 was not yet recharging, it was decided to postpone development of MW3 until October 1, 2007.

On October 1, 2007, BBC sampled the groundwater for chloride at MW2. The sample contained 45,590 ppm. BBC also developed MW3 the same afternoon. Gauging data indicated that 4.97 feet of water existed in MW3 (0.81 gallons). BBC purged 1 gallon of groundwater before the groundwater pump clogged with sediment. Two hours later, BBC returned using a bailer to purge another 1.5 gallons of water and sediment from MW3. MW3 was emptied.

BBC returned to collect groundwater samples for chloride on October 2, 2007 from both MW1 and MW3 for the purpose of having near simultaneous groundwater data for all three monitoring wells. The groundwater sample from MW1 contained 708 ppm. The sample from MW3 contained 472 ppm. During sampling activities it was noted that MW3 contained only 2.94 feet of water in the water column. Only 0.5 gallons and more sediment were purged.

On October 3, 2007, BBC purged MW2 and MW3. MW2 would be purged as often as possible due to the results of the laboratory data from the first samples collected. 14.17 feet of water (2.31 gallons) existed in the water column and 11 gallons were purged. MW3 would be purged in an attempt to encourage recharge of the well. 1.32 feet of water (0.22 gallons) existed in the water column and 0.25 gallons were purged.

All three monitoring wells were vaulted on October 19, 2007. On this afternoon, all wells were gauged and 11 gallons were purged from MW2.

On October 22, 2007, the site was surveyed by John West Surveying Company. The survey included monitoring well elevations. Also on this date, BBC again purged MW2 and MW3. In MW2, 13.84 feet of water (2.26 gallons) existed in the water column and 10 gallons were purged. In MW3, 1.59 feet of water (0.26 gallons) existed in the water column and 0.25 gallons were purged.

BBC collected groundwater samples from all three monitoring wells on October 23, 2007. The sample from MW1 contained 2,260 ppm chloride, the sample from MW2 contained 42,800 ppm, and the sample from MW3 contained 400 ppm.

During the month of November, MW2 continued to be purged. The water level in MW3 remained at less than 0.5 feet in the water column.

On December 4, 2007, BBC purged all monitor wells, however from this date on only sampled groundwater from MW1 and MW2. MW3 was not sampled again due to failure of the well to recharge after purging. The sample from MW1 showed 512 ppm chloride and MW2 contained 42,400 ppm.

BBC continued to purge MW2 through January of 2008. On January 24, 2008, BBC collected groundwater samples from MW1 and MW2. The sample from MW1 contained 35,200 ppm chloride and the sample from MW2 showed 44,400 ppm. From this date forward, both MW1 and MW2 were purged as often as possible.

On April 14, 2008, BBC collected groundwater samples from MW1 and MW2. The sample from MW1 contained 14,600 ppm chloride and the sample from MW2 contained 48,800 ppm.

BBC also received permission from Marbob Energy to order a ground water pumping unit to install at MW2 in order for the well to be purged continuously. BBC has received the pumping unit for MW2 installation and will soon complete the installation. BBC continues to purge MW1 and MW2 and has regularly noted a slight decrease in the amount of water in the column of both monitoring wells.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
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: 09/12/07
Reporting Date: 09/14/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 09/13/07
Sampling Date: 09/10/07
Sample Type: SOIL
Sample Condition: COOL& INTACT
Sample Received By: NF
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H13282-1	MW1 @ 35'	< 16
H13282-2	MW1 @ 40'	3919
H13282-3	MW1 @ 45'	3479
H13282-4	MW1 @ 50'	208
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

09-14-07
Date

H13282 BBC

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

		BILL TO	
Company Name:	BBC International, Inc.	P.O. #:	
Project Manager:	Cliff Brunson	Company:	
Address:	1324 W. Marland	Attn:	SAME
City: Hobbs	State: NM Zip: 88240	Address:	
Phone #: 505-397-6388	Fax #: 505-397-0397	City:	
Project #:	Project Owner: Marbob	State: Zip:	
Project Name:	Scratch St. Com #1	Phone #:	
Project Location:	Maljamar, NM	Fax #:	
Sampler Name:	Amy Ruth		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride
H13282-1	MW1 @ 35'	G	1			✓							9/10/07	1345	✓
-2	MW1 @ 40'	G	1			✓							9/10/07	1410	✓
-3	MW1 @ 45'	G	1			✓							9/10/07	1438	✓
-4	MW1 @ 50'	G	1			✓							9/10/07	1457	✓

Sampler Relinquished:	Date:	Received By:	Phone Result:	☐ Yes	☐ No
	Time:		Fax Result:	☐ Yes	☐ No
Relinquished By: Amy Ruth	Date: 9/12/07	Received By: (Lab Staff)	REMARKS:		
	Time: 1020				
Delivered By: (Circle One)	Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
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: 09/27/07
Reporting Date: 09/28/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 09/28/07
Sampling Date: 09/27/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl (mg/Kg)
H13393-1	MW2 35'	9,800
H13393-2	MW2 40'	5,040
H13393-3	MW2 45'	3,240
H13393-4	MW2 50'	5,040
H13393-5	MW2 55'	528
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		2.0

METHOD: Standard Methods	4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

09-28-07
Date

H13393 BBC

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: BBC International	BILL TO
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn: SAME
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: Project Owner: Marbob	City:
Project Name: Scratch St. Com #1	State: Zip:
Project Location: Maljamar	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorides
H13393-1	MW2 35'	G	1			✓					✓		9/27/07	958	✓
-2	MW2 40'	G	1			✓					✓		9/27/07	1047	✓
-3	MW2 45'	G	1			✓					✓		9/27/07	1116	✓
-4	MW2 50'	G	1			✓					✓		9/27/07	1156	✓
-5	MW2 55'	G	1			✓					✓		9/27/07	1220	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 9/27/07	Received By: (Lab Staff)	REMARKS:
	Time: 2:10	Kristen Dapodaca	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) LS

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

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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: 09/04/07
Reporting Date: 09/06/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 09/06/07
Sampling Date: 08/14/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: NF
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H13233-1	PIT BOTTOM	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

09/06/07
Date

H13233 BBC

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

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Company Name:	BBC International, Inc.	P.O. #:	
Project Manager:	Cliff Brunson	Company:	
Address:	1324 W. Marland	Attn:	SAME
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	505-397-6388 Fax #: 505-397-0397	City:	
Project #:	Project Owner: Marbob	State:	Zip:
Project Name:	Scratch St. Com #1	Phone #:	
Project Location:	Maljamar	Fax #:	
Sampler Name:	Amy Ruth		

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:		ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride
H13233-1	Pit Bottom	C	1			✓						✓		8/14/07	1100	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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.

Turnaround Conditions: All bills will be charged an interest rate of 2.5% per month from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:	
	Time:		Fax Result: ☐ Yes ☐ No	Add'l Fax #:	
Relinquished By: Amy Ruth	Date: 9/4/07	Received By (Lab Staff): Nick Tollett	REMARKS:		
Delivered By: (Circle One)	Time: 15:46				
Sampler - UPS - Bus - Other:	Sample Condition: Cool: ☐ Yes ☐ No; Intact: ☒ Yes ☐ No	CHECKED BY: (Initials) MA			

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CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
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: 09/12/07
Reporting Date: 09/13/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 09/13/07
Sampling Date: 09/11/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl⁻ (mg/L)
H13281-1	MW 1	396
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1
METHOD: Standard Methods		4500-ClB

Chemist

09/13/07
Date

H13281 BBC

CARDINAL LABORATORIES, INC.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: BBC International, Inc	BILL TO
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn: SAME
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: Project Owner: Marbob	City:
Project Name: Scratch St. Com #1	State: Zip:
Project Location: Maljamar, NM	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride
H13781-1	MW 1	G	1	✓							✓		9/11/07	1655	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 1.5% per month from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 9/12/07	Received By: (Lab Staff)	REMARKS:
	Time: 1020		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials) NT

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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: 09/27/07
Reporting Date: 09/28/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 09/28/07
Sampling Date: 09/27/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H13393-1	MW2 35'	9,800
H13393-2	MW2 40'	5,040
H13393-3	MW2 45'	3,240
H13393-4	MW2 50'	5,040
H13393-5	MW2 55'	528
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		2.0
METHOD: Standard Methods		4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

09-28-07
Date

H13393 BBC

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BRC International	BILL TO
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn: SAME
Phone #: 505-397-6335 Fax #: 505-397-0397	Address:
Project #: Project Owner: Marbob	City:
Project Name: Scratch St. Com #1	State: Zip:
Project Location: Maljamar	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H13393-1	MW2 35'	G	1			✓					✓		9/27/07	958	✓
-2	MW2 40'	G	1			✓					✓		9/27/07	1047	✓
-3	MW2 45'	G	1			✓					✓		9/27/07	1116	✓
-4	MW2 50'	G	1			✓					✓		9/27/07	1156	✓
-5	MW2 55'	G	1			✓					✓		9/27/07	1220	✓

ANALYSIS REQUEST

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 9/27/07	Received By: (Lab Staff)	REMARKS:
	Time: 2:10		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) KS	

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

Receiving Date: 10/02/07
Reporting Date: 10/02/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 10/02/07
Sampling Date: 09/28/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl^- (mg/Kg)
H13410-1	MW3 35'	48
H13410-2	MW3 40'	64
H13410-3	MW3 45'	192
H13410-4	MW3 50'	176
H13410-5	MW3 55'	64
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Kristen Dupree
Chemist

10/02/07
Date

H13410 BBC

CARDINAL LABORATORIES, INC.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: BBC International, Inc.		BILL TO	
Project Manager: Cliff Brunson		P.O. #:	
Address: 1324 W. Marland		Company:	
City: Hobbs	State: NM Zip: 88240	Attn:	
Phone #: 505-397-6388	Fax #: 505-397-0397	Address: SAME	
Project #:	Project Owner: Marbob	City:	
Project Name: Scratch St. Com #1		State:	Zip:
Project Location: Maljamar		Phone #:	
Sampler Name: Amy Ruth		Fax #:	

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride
H13410-1	MW3 35'	G	1			✓					✓		9/28/07	1023	✓
-2	MW3 40'	G	1			✓					✓		9/28/07	1027	✓
-3	MW3 45'	G	1			✓					✓		9/28/07	1043	✓
-4	MW3 50'	G	1			✓					✓		9/28/07	1140	✓
-5	MW3 55'	G	1			✓					✓		9/28/07	1207	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By: Amy Ruth	Date: 10/2/07 Time: 830	Received By: (Lab Staff) [signature]	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials) NF

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

Receiving Date: 10/02/07
Reporting Date: 10/02/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 10/02/07
Sampling Date: 10/01/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)
H13411-1	MW 2	45,590
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Kristen Sugasta
Chemist

10/02/07
Date

H13411 BBC

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

		BILL TO	
Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company:	
Address: 1324 W. Marland		Attn:	
City: Hobbs	State: NM Zip: 88240	Address: SAME	
Phone #: 505-397-6388	Fax #: 505-397-0397	City:	
Project #:	Project Owner: Marbob	State:	Zip:
Project Name: Scratch St. Com #1		Phone #:	
Project Location: Maljamar		Fax #:	
Sampler Name: Amy Ruth			

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride
H13411-1	MW 2	G	1	✓							✓		10/1/07	1200	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: / Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By: Amy Ruth	Date: 10/2/07 Time: 830	Received By: (Lab Staff) Nick Fullerton	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials) NF

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

Receiving Date: 10/03/07
Reporting Date: 10/04/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 10/03/07
Sampling Date: 10/02/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)
H13431-1	MW 1	708
H13431-2	MW 3	472
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Kristen Sapoka
Chemist

10/04/07
Date

H13431 BBC

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: BBC International	**BILL TO**
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn: SAME
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: Project Owner: Marbob	City:
Project Name: Scratch St Com #1	State: Zip:
Project Location: Maljamar	Phone #:
Sampler Name: Amy Ruth	Fax #:

ANALYSIS REQUEST: Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride
H13931-1	MW1	G	1	✓							✓		10/2/07	1825	✓
-2	MW3	G	1	✓							✓		10/2/07	1835	✓

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Relinquished By:	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 10/3/07	Received By:	REMARKS:
Delivered By: (Circle One)	Time: 1200		
Sampler - UPS - Bus - Other:		Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials)

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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: (575) 397-0397

Receiving Date: 10/24/07
Reporting Date: 10/24/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 10/24/07
Sampling Date: 10/23/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)
H13569-1	MW 1	2,260
H13569-2	MW 2	42,800
H13569-3	MW 3	400
Quality Control		490
True Value QC		500
% Recovery		98.0
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Chemist

10/24/07
Date

H13569 BBC

CARDINAL LABORATORIES, INC.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: BBC International, Inc.	BILL TO
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 505-397-6388 Fax #: 505-397-0397	Address: SAME
Project #: Project Owner: Marbob	City:
Project Name: Scratch St. Com #1	State: Zip:
Project Location: Maljamar, NM	Phone #:
Sampler Name: Amy Ruth	Fax #:

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Chloride
H13[illegible]-1	MW 1	G	1	✓							✓		10/23/07	1310	✓
-2	MW 2	G	1	✓							✓		10/23/07	1350	✓
-3	MW 3	G	1	✓							✓		10/23/07	1210	✓

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By: Amy Ruth	Date: 10/24/07 Time: 812	Received By: (Lab Staff) [signature]	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials)	REMARKS:

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CARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (575) 397-0397

Receiving Date: 12/04/07
Reporting Date: 12/05/07
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 12/05/07
Sampling Date: 12/04/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)
H13842-1	MW1	512
H13842-2	MW2	42,400
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB

Chemist

12/05/07
Date

H13842 BBC

CARDINAL LABORATORIES, INC.

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101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: BBC International, Inc.	BILL TO
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn: SAME
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: Project Owner: Marbob	City:
Project Name: Scratch St. Com #1	State: Zip:
Project Location: Maljamar, NM	Phone #:
Sampler Name: Amy Ruth	Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride
H13842-1	MW1	G	1	✓							✓		12/4/07	1410	✓
-2	MW2	G	1	✓							✓		12/4/07	1420	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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.

Sampler Relinquished:	Date: Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By: Amy Ruth	Date: 12/4/07 Time: 1658	Received By: (Lab Staff) [signature]	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials) MA	REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (575) 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: (575) 397-0397

Receiving Date: 01/24/08
Reporting Date: 01/25/08
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 01/25/08
Sampling Date: 01/24/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl⁻ (mg/L)
H14155-1	MW1	35,200
H14155-2	MW2	44,400
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl⁻B

Chemist

01/25/08
Date

H14155 BBC

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: BBC International	**BILL TO**
Project Manager: Cliff Brunson	P.O. #:
Address: 1324 W. Marland	Company:
City: Hobbs State: NM Zip: 88240	Attn: SAME
Phone #: 505-397-6388 Fax #: 505-397-0397	Address:
Project #: Project Owner: Marbob	City:
Project Name: Scratch St. Com #1	State: Zip:
Project Location: Maljamar, NM	Phone #:
Sampler Name: Amy Ruth	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride
H14155-1	MW1	G	1	✓							✓		1/24/08	1245	✓
-2	MW2	G	1	✓							✓		1/24/08	1430	✓

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Relinquished By:	Date: 1-24-08	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 3:55	Misty LeBeau	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☑ Yes	☑ Yes	MC&B
☐ No	☐ No	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CARDINAL LABORATORIES

PHONE (575) 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: (575) 397-0397

Receiving Date: 04/15/08
Reporting Date: 04/15/08
Project Owner: MARBOB
Project Name: SCRATCH ST. COM #1
Project Location: MALJAMAR, NM

Analysis Date: 04/15/08
Sampling Date: 04/14/08
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: KS

LAB NUMBER	SAMPLE ID	Cl (mg/L)
H14646-1	MW1	14,600
H14646-2	MW2	48,800
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods	4500-ClB

Chemist

04/15/08
Date

H14646 BBC

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	BBC International, Inc.	**BILL TO**	
Project Manager:	Cliff Brunson	P.O. #:	
Address:	1324 W. Marland	Company:	
City:	Hobbs State: NM Zip: 88240	Attn:	SAME
Phone #:	575-397-6388 Fax #: 575-397-0397	Address:	
Project #:	Project Owner: Marbob	City:	
Project Name:	Scratch St. Com #1	State: Zip:	
Project Location:	Maljamar, NM	Phone #:	
Sampler Name:	Amy Ruth	Fax #:	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride
H14646-1	MW1	G	1	✓							✓		4.14.08	1300	✓
-2	MW2	G	1	✓							✓		4.14.08	1333	✓

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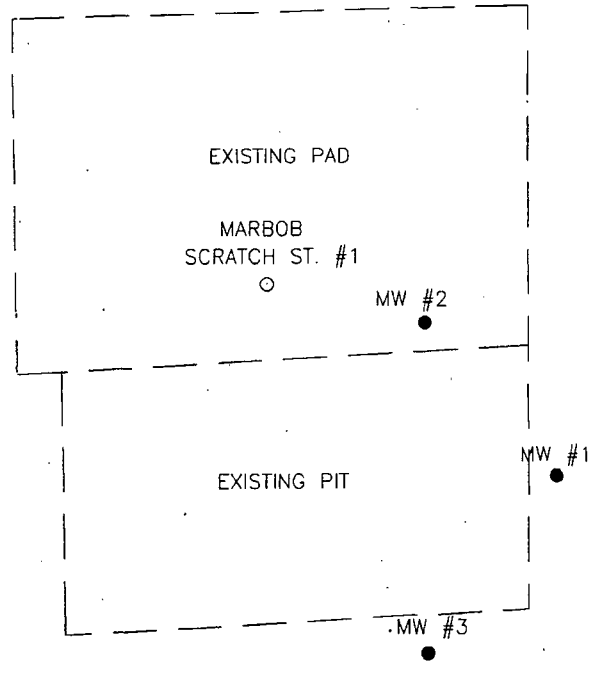
Relinquished By:	Date: 4-15-08	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
Relinquished By:	Time: 310	Received By:	Fax Result: ☐ Yes ☐ No	Add'l Fax #:
	Date:		REMARKS:	
	Time:			

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials) MCB

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

30-025-36996



WELL	COORDINATES	ELEVATIONS
MW #1	631744.7 N 759929.6 E	NATURAL GROUND – 3891.36' TOP OF PVC – 3894.31' TOP OF CONCRETE – 3891.47'
MW #2	631831.0 N 759853.6 E	NATURAL GROUND – 3893.55' TOP OF PVC – 3896.50' TOP OF CONCRETE – 3893.76'
MW #3	631645.9 N 759855.5 E	NATURAL GROUND – 3891.82' TOP OF PVC – 3894.78' TOP OF CONCRETE – 3892.05'

NOTE: COORDINATES SHOWN ARE "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.

100 0 100 200 FEET

Scale:1"=100'

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

BBC INTERNATIONAL, INC.

SCRATCH STATE COM #1

SECTION 24, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 10/22/007		Sheet 1 of 1 Sheets	
W.O. Number: 07.11.1397		Drawn By: L.A.	
Date: 10/26/07	DISK: CD#6	07111397	REV:8/7/08

VonGonten, Glenn, EMNRD

From: Cliff P. Brunson [cbrunson@bbcinternational.com]

Sent: Thursday, August 14, 2008 5:46 PM

To: VonGonten, Glenn, EMNRD

Cc: Price, Wayne, EMNRD; Ken Swinney; Jennifer Gilkey; Amy C. Ruth

Subject: RE: Marbob Scratch State

Attachments: SCRATCH STATE COM #1-1.pdf; Activities Summarty-Scratch State Com 1.pdf; Lab Data-4-15-08.pdf; Lab Data 1-25-08.pdf; Lab Data 8-14-07.pdf; Lab Data 9-11-07.pdf; Lab data 9-27-07.pdf; Lab data 9-28-07.pdf; Lab data 10-1-07.pdf; Lab data 10-2-07.pdf; Lab data 10-23-07.pdf; Lab data 12-4-07.pdf; MW1 soil boring data-Sept. 10, 2007.pdf; MW2 soil boring data-Sept. 27, 2007.pdf

Glenn,

Attached are several files per your request. One is an activities summary that will correlate the lab data and the site diagram. I have been out of town all week until this afternoon otherwise I would have sent it at the beginning of this week.

Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland Blvd.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-mail: cbrunson@bbcinternational.com
Web: www.bbcinternational.com

From: VonGonten, Glenn, EMNRD [mailto:Glenn.VonGonten@state.nm.us]
Sent: Thursday, August 14, 2008 4:58 PM
To: Cliff P. Brunson
Cc: Price, Wayne, EMNRD
Subject: RE: Marbob Scratch State

Cliff,

OCD still has not received the required information. If OCD does not receive it by 5:00 pm, August 15, 2008, your client will receive a Letter of Violation the following Monday. No more delays will be accepted.

Glenn von Gonten
Senior Hydrologist
Environmental Bureau
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
505-476-3488
fax -476-3462
glenn.vongonten@state.nm.us

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, August 04, 2008 3:36 PM
To: VonGonten, Glenn, EMNRD
Cc: Price, Wayne, EMNRD
Subject: RE: Marbob Scratch State

Glenn,

I am gathering the information to send to you. I apologize for the delay. Amy has been taking care of this site and she has both been on vacation and out for medical reasons for a while. It had put us even more short staffed, but she is back now and we are getting caught up. The information should be sent to you very soon. Appreciate your understanding.

Cliff

From: VonGonten, Glenn, EMNRD [mailto:Glenn.VonGonten@state.nm.us]
Sent: Monday, August 04, 2008 3:01 PM
To: cbrunson@bbcinternational.com
Cc: Price, Wayne, EMNRD
Subject: Marbob Scratch State

Cliff,

Just a reminder, OCD needs copies of all analytical results for the Marbob Scratch State. If ground water has been impacted then OCD will require either a remediation plan or an abatement plan depending on whether ground water standards have been exceeded. Marbob was required to submit an amended C-141 when it received its analytical data, which makes it potentially out of compliance for the past 10 months. Please submit the data immediately.

Glenn von Gonten

Senior Hydrologist
Environmental Bureau
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
505-476-3488
fax -476-3462
glenn.vongonten@state.nm.us

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30-025-36996

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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

RECEIVED
2007 AUG 30 PM 1 06

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company MARbob Energy Corp.	Contact Cliff Brunson - BBC International
Address P.O Box 227 Artesia, N.M 88211	Telephone No. 505-397-6388
Facility Name Scratch State	Facility Type o:l well / Drilling Pit

Surface Owner State of N.M	Mineral Owner State	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	24	18S	33E	1980	North	660	WEST	LEA.

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release Pit Liner	Volume of Release Unknown	Volume Recovered None
Source of Release Pit	Date and Hour of Occurrence ?	Date and Hour of Discovery 8/20/07 1130 am
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Daniel Sanchez - phone ; Wayne Price-email	
By Whom? Rand French & Cliff Brunson	Date and Hour 8/20/07 - 2:07 pm	
Was a Watercourse Reached? ☑ Yes ☐ No	If YES, Volume Impacting the Watercourse: Unknown	

If a Watercourse was Impacted, Describe Fully.*

Do not know the extent of Impacts at this time

Describe Cause of Problem and Remedial Action Taken.*

Compromised Pit - was in the process of a dig-n-haul, along with delineating Chlorides. Forty feet Below ground surface wet soils and water was encountered

Describe Area Affected and Cleanup Action Taken.*

Unknown at this time. Most of the Pit material has been removed. The back side of Pit was free of chlorides @ 12' feet.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Rand French	OIL CONSERVATION DIVISION
Printed Name: Rand French	Approved by District Supervisor:
Title: Wildlife Biologist	Approval Date: / Expiration Date:
E-mail Address: wildlife@marbob.com	Conditions of Approval: / Attached ☐
Date: 8/24/07 Phone: 748-3303	

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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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-144
March 12, 2004

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: **Marbob Energy Corporation** Telephone: **505-748-3303** e-mail address: **land2@marbob.com**

Address: **PO Box 227, Artesia, NM 88211-0227** **1980' FNL & 660' FWL**

Facility or well name: **Scratch State Com #1** API #: **30-025-36996** U/L or Qtr/Qtr **SWNW** Sec **24** T **18S** R **33E**

County: **Lea** Latitude_____ Longitude_____ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness **12** mil Clay ☐ Volume _____bbl	Volume: _____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) **0 points**
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **0 points**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **0 points**
	Ranking Score (Total Points)	**0 points**

Received Hobbs OCD JUN 2007

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: onsite ☐ offsite ☒ If offsite, name of facility **Sundance Disposal** (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. ***Drilled 65' test hole at 865' FNL & 1650' FWL Sec 23-T18S-R33E. ~~No water encountered~~** INFO INCONCLUSIVE DUE TO PROCEDURE

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 ☒.
Date: **June 6, 2007**

Printed Name/Title: **Gerald Herrera** Signature G. Herrera

Your 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 otherwise 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 regulations.

Approval: DIG & HAUL SAMPLE
Date: 6/13/07
Printed Name/Title C. JOHNSON Signature _____

Samples are to be obtained from pit floor area in each quadrant and analysis submitted to NMOCD prior to back-filling. (Chloride)

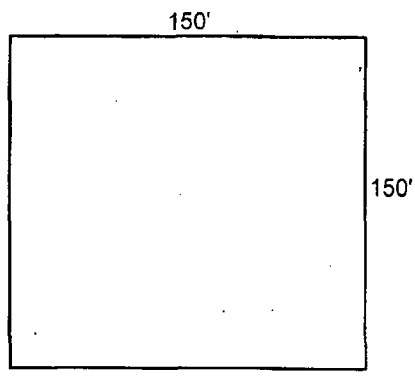
Marbob Energy Corporation
Attachment to OCD Form C-144

Pit or Below-Grade Tank Registration or Closure

Pit Closure

Scratch State Com #1
1980' FNL & 660' FWL
Section 24 T-18S R-33E
Lea County, New Mexico

(1) Facility diagram



(2) Disposal location:
Truck and haul cuttings to Sundance Disposal.

(3) General description of remedial action:
a. Use caliche from road and pad to fill pit.
b. Use stock piled dirt to cover pit, reseed per landowner's specifications.

(4) Groundwater encountered:
No
* ***Drilled an 80' test hole on the Rhoid State #1 well at 330' FNL & 330' FWL Section 24 T-18S R-33E - Water leached into hole to 62'. Well Record submitted previously.***

(5) Soil sample:
~~N/A~~ SAMPLE PIT BOTTOM FOR CHLORIDES - REMOVE TO 250 PPM

District I
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1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
Permit 3371

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address	OGRID Number
MARBOB ENERGY CORP PO Box 227 Artesia, NM 88211-0227	14049
	API Number 30-025-36996

Property Code	Property Name	Well No.
34465	SCRATCH STATE COM	001

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	24	18S	33E	E	1980	N	660	W	Lea

Proposed Pools

CORBIN;MORROW, SOUTH (GAS) 75080

Work Type	Well Type	Cable/Rotary	Lease Type	Ground Level Elevation
New Well	GAS		State	3893
Multiple	**Proposed Depth**	**Formation**	**Contractor**	**Spud Date**
N	13900	Morrow		12/15/2004

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	300	300	0
Intl	12.25	8.625	32	4900	1400	0
Prod	7.875	5.5	17	13900	950	0

Casing/Cement Program: Additional Comments

Plan to drill 17 1/2 in hole w/fresh wtr, run 13 3/8 in 48 lb H-40 csg & set at 300 ft w/300 sx cmt, circ to surf, drill 12 1/4 in hole from 300-1850 ft w/fresh wtr w/no additives, drill 12 1/4 in hole from 1850-4900 ft w/brine wtr, run 8 5/8 in 32 lb Buttress csg & set at 4900 ft w/1400 sx cmt, circ to surf, drill 7 7/8 in hole 4900-13900 ft w/cut brine wtr, run 5 1/2 in 17 lb S-95/P110 csg & set at TD w/950 sx cmt, bring TOC 500 ft above all oil and gas bearing zones.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	Cameron
Double Ram	5000	5000	Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Diana Cannon
Title: Production Analyst
Date: 12/08/2004
Phone: 505-748-3303

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz
Title: Geologist
Approval Date: 12/09/2004
Expiration Date: 12/09/2005
Conditions of Approval:
There are conditions. See Attached.

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 3371

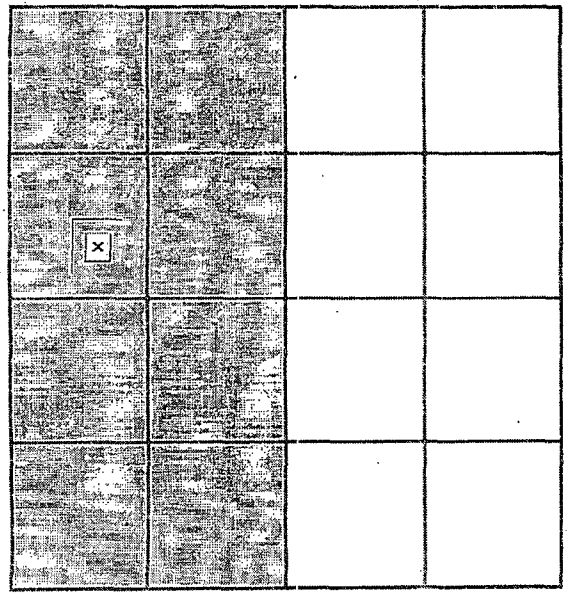
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Name	Pool Code
30-025-36996	CORBIN;MORROW, SOUTH (GAS)	75080
Property Code	**Property Name**	**Well No.**
34465	SCRATCH STATE COM	001
OGRID No.	**Operator Name**	**Elevation**
14049	MARBOB ENERGY CORP	3893

Surface And Bottom Hole Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	24	18S	33E	E	1980	N	660	W	Lea

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Diana Cannon

Title: Production Analyst

Date: 12/08/2004

SURVEYOR CERTIFICATION

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.

Surveyed By: Gary Eidson

Date of Survey: 11/22/2004

Certificate Number: 12641

Permit Conditions Of Approval

C-101, Permit 3371

Operator: MARBOB ENERGY CORP , 14049

Well: SCRATCH STATE COM #001

OCD Reviewer	Condition
PKAUTZ	Re-seeding mixture will must be approved or authorized by surface owner
PKAUTZ	Notice is to be given to the OCD prior to construction of the pit(s)
PKAUTZ	Pit construction and closure must satisfy all requirements of O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank. Guidelines

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-144
March 12, 2004

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: **Marbob Energy Corporation** Telephone: **505-748-3303** e-mail address: **land2@marbob.com**

Address: **PO Box 227, Artesia, NM 88211-0227**

Facility or well name: **Scratch State #1** API #: 30-025-36996 U/L or Qtr/Qtr **SWNW** Sec **24** T **18S** R **33E**

County: **Lea** Latitude Cow Longitude _____ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) **0 points**
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **0 points**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **0 points**
	Ranking Score (Total Points)	**0 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: onsite ☐ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

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 ☐.**
Date: **December 8, 2004**

Printed Name/Title: **Melanie J. Parker / Land Department** Signature Melanie Parker

Your 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 otherwise 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 regulations.

Approval:
Date: DEC 13 2004
Printed Name/Title: PETROLEUM ENGINEER Signature

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

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

Form C-103
May 27, 2004

WELL API NO. 30-025-36996
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: SCRATCH STATE COM
1. Type of Well: Oil Well [ ] Gas Well [X] Other
8. Well Number 1
2. Name of Operator: MARBOB ENERGY CORPORATION
9. OGRID Number: 14049
3. Address of Operator: P O BOX 227, ARTESIA NM 88211-0227
10. Pool name or Wildcat: CORBIN; MORROW, SOUTH (GAS)

4. Well Location
Unit Letter E : 1980 feet from the NORTH line and 660 feet from the WEST line
Section 24 Township 18S Range 33E NMPM LEA County NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3893' 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]	CHANGE PLANS [ ]	COMMENCE DRILLING OPNS. [ ]	P AND A [ ]
PULL OR ALTER CASING [ ]	MULTIPLE COMPL [ ]	CASING/CEMENT JOB [ ]	
OTHER: [ ]		OTHER: SPUD CSG/CMT [X]	

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.

SPUD WELL @11:30 PM ON 04/25/05. DRLD 17 1/2" HOLE TO 403', RAN 10 JTS (406.01') 13 3/8" 54# J-55 CSG TO 403'. CMTD W/475 SX P+, PD @3:00 PM ON 04/27/05, CIRC 170 SX TO PIT. WOC 18 HRS, TSTD CSG TO 600# F/30 MIN.- HELD OK.

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 Debora L. Wilbourn TITLE GEOTECH DATE 05/03/05

Type or print name DEBORA L. WILBOURN E-mail address: geology@marbob.com Telephone No. 505-748-3303
For State Use Only

APPROVED BY: TITLE PETROLEUM ENGINEER DATE MAY 05 2005
Conditions of Approval (if any):

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
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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. 30-025-36996

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: SCRATCH STATE COM

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number 1

2. Name of Operator: MARBOB ENERGY CORPORATION

9. OGRID Number 14049

3. Address of Operator: P O BOX 227, ARTESIA, NM 88211-0227

10. Pool name or Wildcat: CORBIN; MORROW, SOUTH (GAS)

4. Well Location
Unit Letter E : 1980 feet from the NORTH line and 660 feet from the WEST line
Section 24 Township 18S Range 33E NMPM LEA County NM

11. Elevation (*Show whether DR, RKB, RT, GR, etc.*) 3893' 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:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
OTHER:	[ ]			OTHER: INTMD CSG/CMT			[X]

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.

05/09/05 @9:45 AM, DRLD 12 1/4" HOLE TO 4950'. RAN 116 JTS (4951.09') 8 5/8" CSG TO 4948'. CMTD 1ST STG W/400 SX INTERFIL-C, TAILED IN W/300 SX P+, PD @2:00 AM ON 05/10/05 CIRC 96 SX TO PIT. WOC 18 HRS, TSTD CSG TO 1500# F/30 MIN.

MAY 2005 Received Hobbs OCD

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 Debora L. Wilbourn TITLE GEOTECH DATE 05/12/05

Type or print name DEBORA L. WILBOURN E-mail address: geology@marbob.com Telephone No. 505-748-3303

For State Use Only

APPROVED BY: TITLE PETROLEUM ENGINEER DATE MAY 17 2005

Conditions of Approval (if any):

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
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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. 30-025-36996

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: SCRATCH STATE COM

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number 1

2. Name of Operator: MARBOB ENERGY CORPORATION

RECEIVED
JUL 0 1 2005
OCD-ARTESIA

9. OGRID Number 14049

3. Address of Operator: P O BOX 227, ARTESIA, NM 88211-0227

10. Pool name or Wildcat: CORBIN; MORROW, SOUTH (GAS)

4. Well Location
Unit Letter E : 1980 feet from the NORTH line and 660 feet from the WEST line
Section 24 Township 18S Range 33E NMPM LEA County NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3893' 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:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
OTHER:	[ ]			OTHER: TD CSG/CMT	[X]		

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.

TD WELL @8:45 AM ON 06/22/05. DRLD 6 1/8" HOLE TO 13710'. RAN 323 JTS (13711.55') 4 1/2" 11.6# P-110 CSG TO 13708.90'. CMTD 1ST STG W/650 SX PB SUPER H, PD @2:30 AM 06/24/05, CIRC 175 SX TO PIT. CMTD 2ND STG W/900 SX HLP, TAILED IN W/200 SX PB SUPER H, PD @9:45 AM 06/24/05, DID NOT CIRC, RAN TEMP SURVEY - TOC @3000'. WOC 18 HRS, TSTD CSG TO 1500# F/30 MIN.

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 Debora L. Wilbourn TITLE GEOTECH DATE 06/30/05

Type or print name DEBORA L. WILBOURN E-mail address: geology@marbob.com Telephone No. 505-748-3303

For State Use Only

APPROVED BY: _____ TITLE PETROLEUM ENGINEER DATE JUL 1 1 2005

Conditions of Approval (if any):

REFERENCE SHEET FOR
UNDESIGNATED WELLS

	Fm	Pm	N	
17-21 W	XX	XX	XX	
17-21 C	XX	XX	XX	

paragraph

1. Date: 8/10/2005
2. Type of Well: Oil: [ ] Gas: [XX]
3. County: LEA

4. Operator: >> MARBOB ENERGY CORP — API NUMBER: 30 - 025 - 36996
5. Address of Operator: >> PO BOX 227 / >> ARTESIA NM 88211-0227
6. Lease name or Unit Agreement Name: >> SCRATCH STATE COM — 7. Well Number: # - 1
8. Well Location: Unit Letter: E — 1980 feet from the N line and 660 feet from the W line; Section ____ Township ____ Range ____
9. Completion Date: 7/19/2005
10. Name of Producing Formation(s): MORROW
11. Perfs: Top 13170 — Bottom 13308
12. Open Hole Casing shoe: ____
PBTD or TD Open Hole: 13710
13. C-123 Filed: Y [ ] N [XX] Date ____
15. Name of Pool Requested: CORBIN;MORROW, SOUTH (GAS) — Pool ID num: 75080
16. Remarks: EXTEND W/2 DEDICATED

TO BE COMPLETED BY DISTRICT GEOLOGIST

17. Action taken: EXTEND
18. Pool Name: CORBIN;MORROW, SOUTH (GAS) — Pool ID num: 75080

T 18 S, R 33 E

SEC 23: SE/4
SEC 24: W/2

19. Advertised for HEARING:
20. Case Number
21. Name of pool for which was advertised: CORBIN;MORROW, SOUTH (GAS) — Pool ID num: 75080
22. Placed in Pool
23. By order number: R-

WELL LOGS

API number:	30-025-36996		
OGRID:		Operator:	MARBOB ENERGY CORP
		Property:	SCRATCH STATE COM # 1

surface	ULSTR:	E	24	T	18S	R	33E
			1980	FNL	660	FWL	

BH Loc	ULSTR:	E	24	T	18S	R	33E
			1980	FNL	660	FWL	

Ground Level:	3893	DF:	3909	KB:	3910	
Datum:	KB			TD:	13710	

Land: STATE

Completion Date: (1)	7/19/2005	
Date Logs Received:	8/9/2005	**Late
Date Logs Due in: (2)	8/8/2005	

Confidential:	NO			Date out:		

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	200	13628	Spectral Density Dual Spaced Neutron
DLL/MSFL	4938	13679	Dual Laterolog Micro Sperically Focused Log

OCD TOPS

Rustler	1614	Strawn	12180		
Tansill		Atoka	12553		
Yates		Morrow	13016		
Delaware	5461				
Delaware Lm					
Delaware Sd					
Bell Canyon					
Cherry Canyon					
Brushy Canyon					
Bone Spring	7430				
1st Sd	8557				
2nd Carb	8732				
2nd Sd	8977				
3rd Carb	9710				
3rd Sd	9960				
Wolfcamp	10143				

Patriot Drilling, LLC

OPERATOR: Marbob Energy Corp.
WELL/LEASE: Scratch St. Com #1
COUNTY: Lea County, NM

E-24-18s-33e
1980/N & 660/W
30-025-36996

STATE OF NEW MEXICO

DEVIATION REPORT

Depth	Deviation	Depth	Deviation
262	1/4	8309	1 1/4
403	1/2	8816	1 1/4
946	3/4	9317	2 3/4
1232	0	9381	0
1517	3/4	9505	2
1825	3/4	9635	1 3/4
2121	3/4	9984	2 1/4
2439	3/4	10109	2
2852	1 3/4	10471	2 3/4
2947	1 1/4	10566	3 1/4
3106	1 1/2	10677	2 2/3
3406	1 1/4	10740	2 1/2
3773	2	10804	1 1/2
3900	1 3/4	10867	1
4186	1	10931	1 2/9
4472	1	10995	1 /
4917	0	11058	1 1/2
5419	1	11122	1 1/2
5927	1	11376	1 1/2
6436	1 1/4	11421	1
6912	2	11802	1/4
7008	1 3/4	12275	1/2
7262		12621	1/2
7643	2	12951	3/4
7833	1 1/2	13378	3/4

M. Leroy Peterson

The foregoing instrument was acknowledged before me on this 27th day of June, 2005 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009

Notary Public for Midland County, Texas

DORA H. DUARTE
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Exp. 5-29-2009

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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-105
Revised June 10, 2003

WELL API NO. 30-025-36996

5. Indicate Type of Lease STATE [X] FEE [ ]

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

b. Type of Completion: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Lease Name or Unit Agreement Name: SCRATCH STATE COM

2. Name of Operator: MARBOB ENERGY CORPORATION

8. Well No.: 1

3. Address of Operator: PO BOX 227, ARTESIA, NM 88211-0227

9. Pool name or Wildcat: CORBIN; MORROW, SOUTH (GAS)

4. Well Location

Unit Letter E : 1980 Feet From The NORTH Line and 660 Feet From The WEST Line

Section 24 Township 18S Range 33E NMPM LEA County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
4/25/05	6/22/05	7/19/05	3893' GL	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
13710'	13584'			0 - 13710'	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 13170' - 13308' MORROW

20. Was Directional Survey Made: NO

21. Type Electric and Other Logs Run: DLL, CSNG

22. Was Well Cored: NO

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54#	403'	17 1/2"	475 SX, CIRC	NONE
8 5/8"	32#	4948'	12 1/4"	700 SX, CIRC	NONE
7"	26#	4000'	7 7/8"	350 SX, CIRC	NONE
4 1/2"	11.6#	13709'	6 1/8"	1750 SX, CIRC	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	13100'	

26. Perforation record (interval, size, and number)

13170' - 13308' (120 SHOTS)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
13170'-13308'	FRAC W/ 75K# VERSAPROP

28. **PRODUCTION**

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
7/30/05	FLOWING	PROD

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7/31/05	24			59	1399	3	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.): SOLD

Test Witnessed By: OWEN PUCKETT

30. List Attachments: LOGS, DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature [signature] Printed Name DIANA J. BRIGGS Title PRODUCTION ANALYST Date 8/8/05

E-mail Address PRODUCTION@MARBOB.COM

Received
AUG 2005
OCD
Hobbs

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 12180'	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 12252'	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3086'	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3616'	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 5110'	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T.Tubb	T. Delaware Sand	T.Todilto	T
T. Drinkard	T. Bone Springs 9262'	T. Entrada	T.
T. Abo	T. RUSTLER 1614'	T. Wingate	T.
T. Wolfcamp	T. BRUNSON SAND 12717'	T. Chinle	T.
T. Penn	T. MORROW 13108'	T. Permian	T.
T. Cisco (Bough C)	T. CHESTER 13542'	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

District I
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
MARBOB ENERGY CORPORATION PO BOX 227 ARTESIA, NM 88211-0227 THE WELL HAS BEEN PLACED IN THE POOL DESIGNATED BELOW. IF YOU DO NOT CONCUR NOTIFY THIS OFFICE.	14049 [3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30-025-36996	CORBIN; MORROW, SOUTH (GAS)	75080
[7] Property Code	**[8] Property Name**	**[9] Well Number**
34465	SCRATCH STATE COM	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	24	18S	33E		1980	NORTH	660	WEST	~~EDDY~~ Lea

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	7/30/05			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
209700	BP AMERICA PROD CO 501 WESTLAKE, STE. 4.550 HOUSTON, TX 77079		O	TANK BATTERY E-24-T18S-R33E
36785	DUKE ENERGY FIELD SVCS PO BOX 50020 MIDLAND, TX 79710-0020		G	SAME

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
	SAME

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC
4/25/05	7/19/05	13710'	13584'	13170'-13308'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17 1/2"	13 3/8"	403'	475 SX, CIRC
12 1/4"	8 5/8"	4948'	700 SX, CIRC
7 7/8"	7"	4000'	350 SX, CIRC
6 1/8"	4 1/2"	13709'	1750 SX, CIRC
	2 3/8"	13100'	

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
7/30/05	7/30/05	7/31/05	24 HRS		
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
	59	3	1399		F

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Diana J. Briggs

Printed name: DIANA J. BRIGGS

Title: PRODUCTION ANALYST

E-mail Address: PRODUCTION@MARBOB.COM

Date: 8/8/05 Phone: (505) 748-3303

OIL CONSERVATION DIVISION

Approved by:

Title: ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER

Approval Date: AUG 18 2005

30-015 36996

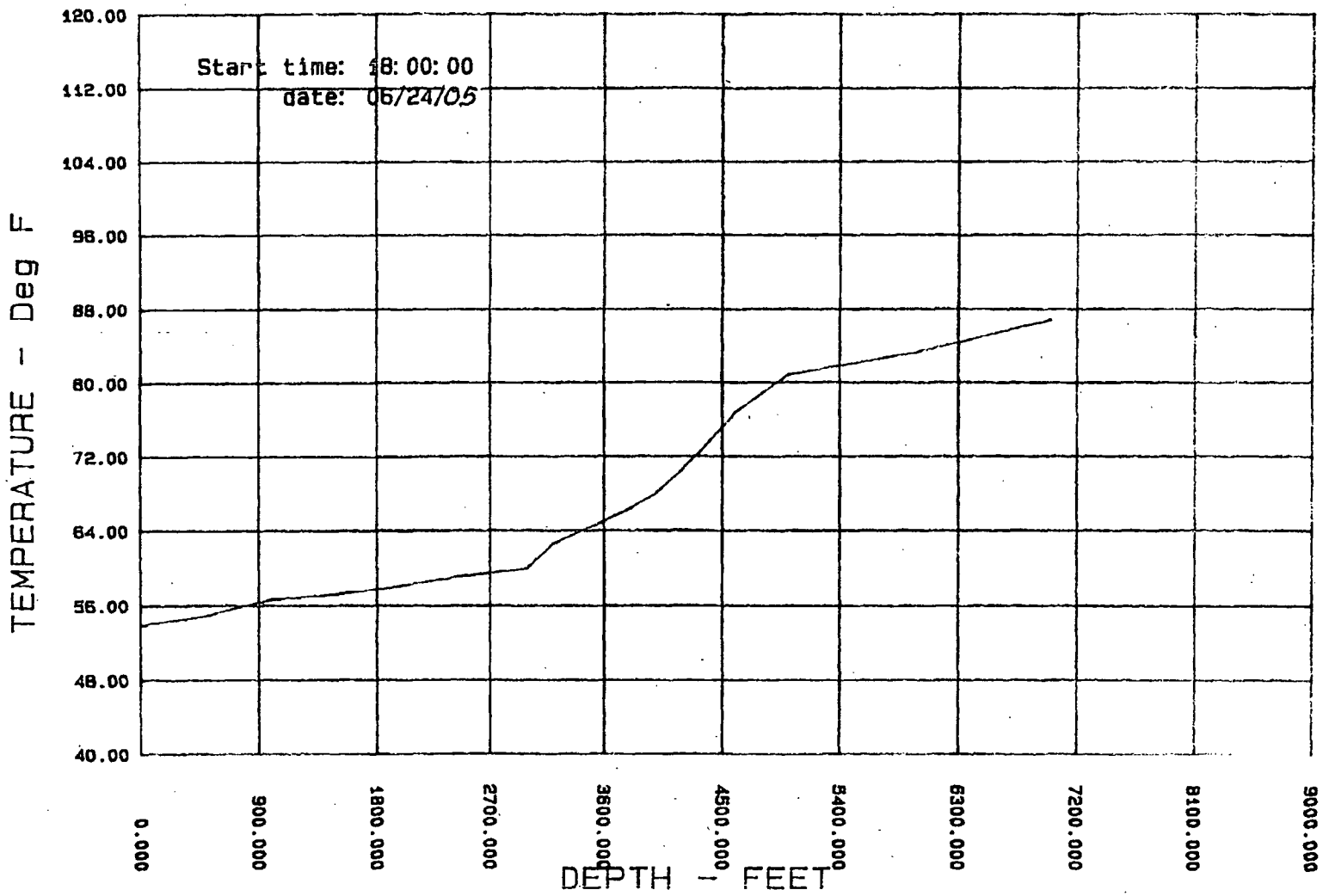
***** CHART SCANNER WELL TEST DATA *****

COMPANY:	MARBOB ENERGY
CLIENT:	RICK ALVARADO
GAUGE NUMBER:	576
WELL NAME:	SCRATCH STATE COM
WELL NUMBER:	#1
TEST NUMBER:	1
LOCATION:	
TEST OPERATOR:	J GUAJARDO/ KELTIC SERVICES
COMMENTS:	TOP OF CEMENT AT 3000 FT
	DATE OF TEST 6-24-2005

DATE: 06/24/05 GAUGE S/N: 576

REAL TIME	DELTA TIME HRS	TEMPERATURE Deg F	DEPTH FEET	FLOW RATE BBLS/DAY	COMMENTS
18:08:24	0.140	53.92	0.00		
18:13:59	0.233	54.89	500.00		
18:19:29	0.325	56.71	1000.00		
18:22:54	0.382	57.26	1500.00		
18:25:04	0.418	58.15	2000.00		
18:28:28	0.475	59.23	2500.00		
18:32:10	0.536	59.98	3000.00		TOP OF CEMENT
18:36:42	0.612	62.62	3200.00		
18:39:41	0.662	63.78	3400.00		
18:42:48	0.714	64.97	3600.00		
18:45:26	0.757	66.36	3800.00		
18:48:25	0.807	68.01	4000.00		
18:51:33	0.859	70.58	4200.00		
18:54:27	0.908	73.52	4400.00		
18:57:38	0.961	76.77	4600.00		
19:00:39	1.011	78.79	4800.00		
19:03:10	1.053	80.84	5000.00		
19:05:49	1.097	83.34	6000.00		
19:13:10	1.220	86.83	7000.00		

COMPANY:	MARBOB ENERGY	TEST NUMBER:	1
CLIENT:	RICK ALVARADO	LOCATION:	
GAUGE NUMBER:	576	TEST OPERATOR:	J GUAJARDO/ KELTIC SERVICES
WELL NAME:	SCRATCH STATE COM	COMMENTS:	TOP OF CEMENT AT 3000 FT
WELL NUMBER:	#1		DATE OF TEST 6-24-2005



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-144
June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐
Type of action Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator Marbob Energy Corp Telephone 505-748-3303 e-mail address wildlife@marbob.com
Address P.O Box 227 Artesia, nm 88211-0227
Facility or well name Scratch State Com #1 API # 30-025-36996 U/L or Qtr/Qtr SW/NW Sec 24 T 18s R 33E
County Lea Latitude _____ Longitude _____ NAD 1927 ☐ 1983 ☐
Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type Synthetic ☐ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume _____ bbl Type of fluid _____ Construction material _____ Double-walled, with leak detection? Yes ☐ If not, explain why not	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 20
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	20

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 your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial action taken including remediation start date and end date (4) Groundwater encountered No ☐ Yes ☐ If yes, show depth below ground surface _____ ft and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations

Additional Comments As per Chris Williams. Pit Sampling, delineation of Chlorides completed and removed Pit material. Liner has been placed in bottom of reserve Pit for backfilling.

Received 9/28/07 CW

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 ☐.**

Date 9-21-07
Printed Name/Title Rand French / Biologist Signature Rand French

Your 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 otherwise 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 regulations

Approval
Printed Name/Title CHRIS WILLIAMS / DIST. SUPV Signature Chris Williams Date 9/28/07

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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

RECEIVED
2007 AUG 30 PM 1 16

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company Marbob Energy Corp.	Contact Cliff Bunson - BBC International
Address PO Box 227 Artesia, NM 88211	Telephone No. 505-397-6388
Facility Name Scratch State	Facility Type Oil well / Drilling Pit

Surface Owner State of N.M	Mineral Owner State	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	24	18S	33E	1980	North	660	WEST	LEA

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Pit Liner	Volume of Release Unknown	Volume Recovered None
Source of Release Pit	Date and Hour of Occurrence ?	Date and Hour of Discovery 8/20/07 1130
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Daniel Sanchez - Phone ; Wayne Price - email	
By Whom? Rand French & Cliff Bunson	Date and Hour 8/20/07 - 2:07 pm	
Was a Watercourse Reached? ☑ Yes ☐ No	If YES, Volume Impacting the Watercourse: Uknown	

If a Watercourse was Impacted, Describe Fully.*

Do not know the extent of Impacts at this time

Describe Cause of Problem and Remedial Action Taken.*

Compromised Pit - was in the process of a dig-n-haul, along with delineating Chlorides. Forty feet Below ground surface wet soils and water was encountered

Describe Area Affected and Cleanup Action Taken.*

Unknown at this time Most of the Pit material has been removed. The back side of Pit was free of chlorides @ 12' feet.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Rand French	OIL CONSERVATION DIVISION
Printed Name: Rand French	Approved by District Supervisor:
Title: Wildlife Biologist	Approval Date: / Expiration Date:
E-mail Address: wildlife@marbob.com	Conditions of Approval: / Attached ☐
Date: 8/24/07 Phone: 748-3303	

* Attach Additional Sheets If Necessary

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 34E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

POD / Surface Data Report | Avg Depth to Water Report
Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 10/17/2007

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	18S	34E	01				5	100	115	107
L	18S	34E	02				2	102	102	102
L	18S	34E	03				3	60	100	87
L	18S	34E	05				1	105	105	105
L	18S	34E	06				2	110	150	130
L	18S	34E	07				2	15	150	83
L	18S	34E	08				2	145	150	148
L	18S	34E	10				3	110	110	110
L	18S	34E	11				1	110	110	110
L	18S	34E	12				4	76	100	92
L	18S	34E	13				1	96	96	96
L	18S	34E	14				3	100	110	103
L	18S	34E	15				1	110	110	110
L	18S	34E	16				2	105	110	108
L	18S	34E	18				2	125	125	125
L	18S	34E	19				1	105	105	105
L	18S	34E	20				2	120	130	125
L	18S	34E	25				1	117	117	117
L	18S	34E	27				1	112	112	112
L	18S	34E	35				2	105	130	118

Record Count: 41

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 34E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

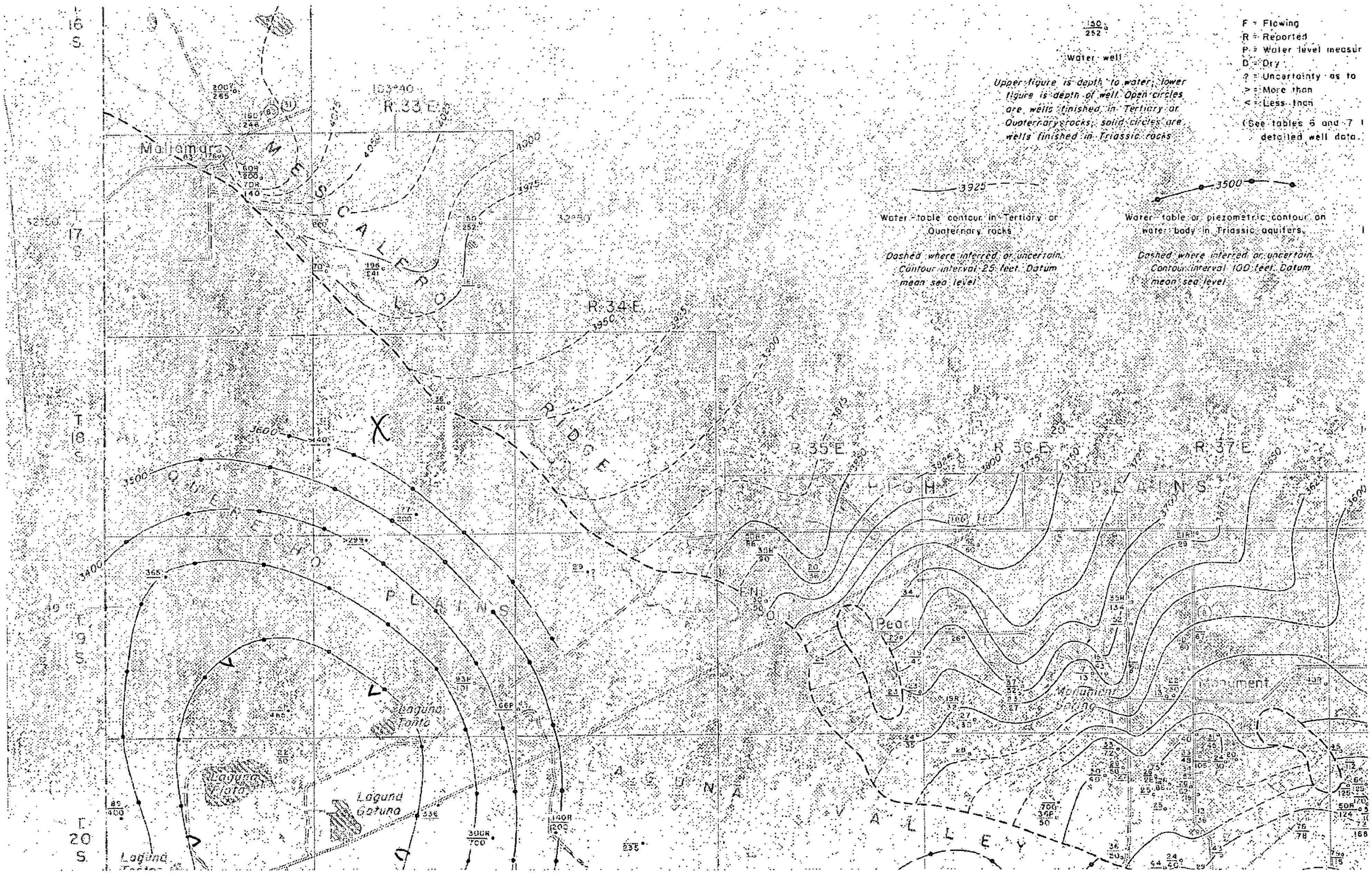
POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 10/17/2007

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	18S	33E	13				1	60	60	60
CP	18S	33E	24				1	195	195	195
L	18S	33E	08				1	100	100	100
L	18S	33E	12				2	130	150	140
L	18S	33E	17				1	85	85	85
L	18S	33E	30				2	35	35	35

Record Count: 8



T. 16 S.
T. 17 S.
T. 18 S.
T. 19 S.
T. 20 S.
R. 33 E.
R. 34 E.
R. 35 E.
R. 36 E.
R. 37 E.
103°40'
32°50'
Maljamar
MESCALERO
RIDGE
QUERECHO PLAINS
HIGH PLAINS
LAGUNA VALLEY
Laguna Tonto
Laguna Plata
Laguna Gatuna
Laguna Toston
Pearl
Monument
Monument Spring
Water well
Upper figure is depth to water; lower figure is depth of well. Open circles are wells finished in Tertiary or Quaternary rocks; solid circles are wells finished in Triassic rocks
F = Flowing
R = Reported
P = Water level measur
D = Dry
? = Uncertainty as to
> = More than
< = Less than
(See tables 6 and 7 detailed well data.
Water-table contour in Tertiary or Quaternary rocks
Dashed where inferred or uncertain. Contour interval 25 feet. Datum mean sea level
Water-table or piezometric contour on water body in Triassic aquifers
Dashed where inferred or uncertain. Contour interval 100 feet. Datum mean sea level

AP - 094

GENERAL CORRESPONDENCE

2008 - 2007