

### GENERAL CORRESPONDENCE

## 2008 - 2007

New Mexico Energy, Minerals and Natural Resour

Bill Richardson Governor

Joanna Prukop Cabinet Secretary Recse Fullerton Deputy Cabinet Secretary Mark Fesmire Division Director Oil Conservation Division



APO94

**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.

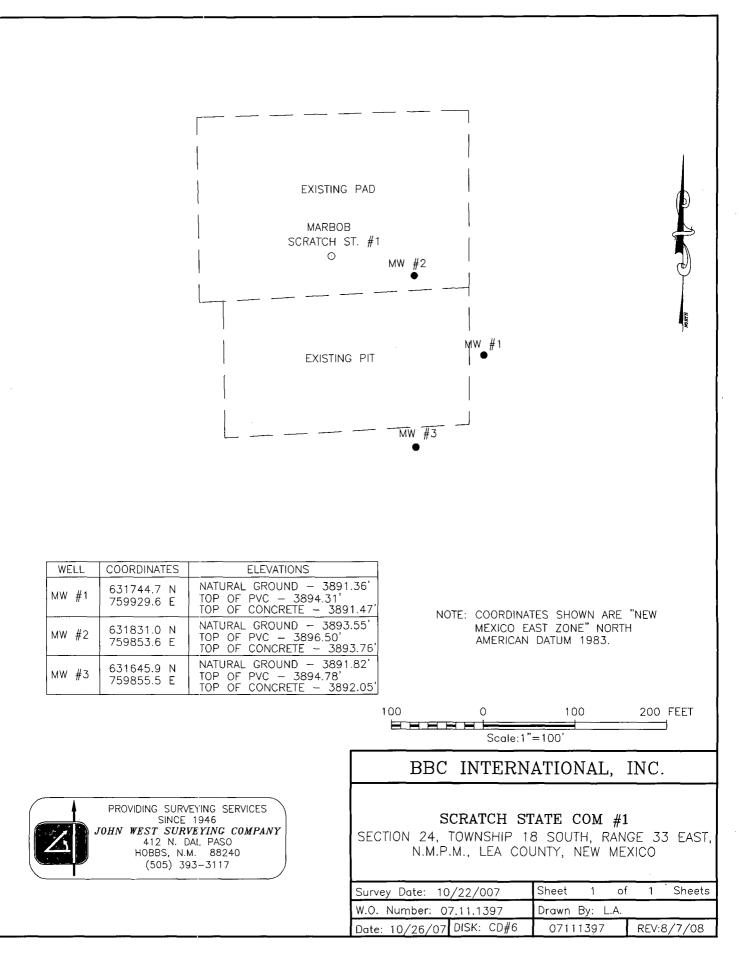
Sincerely,

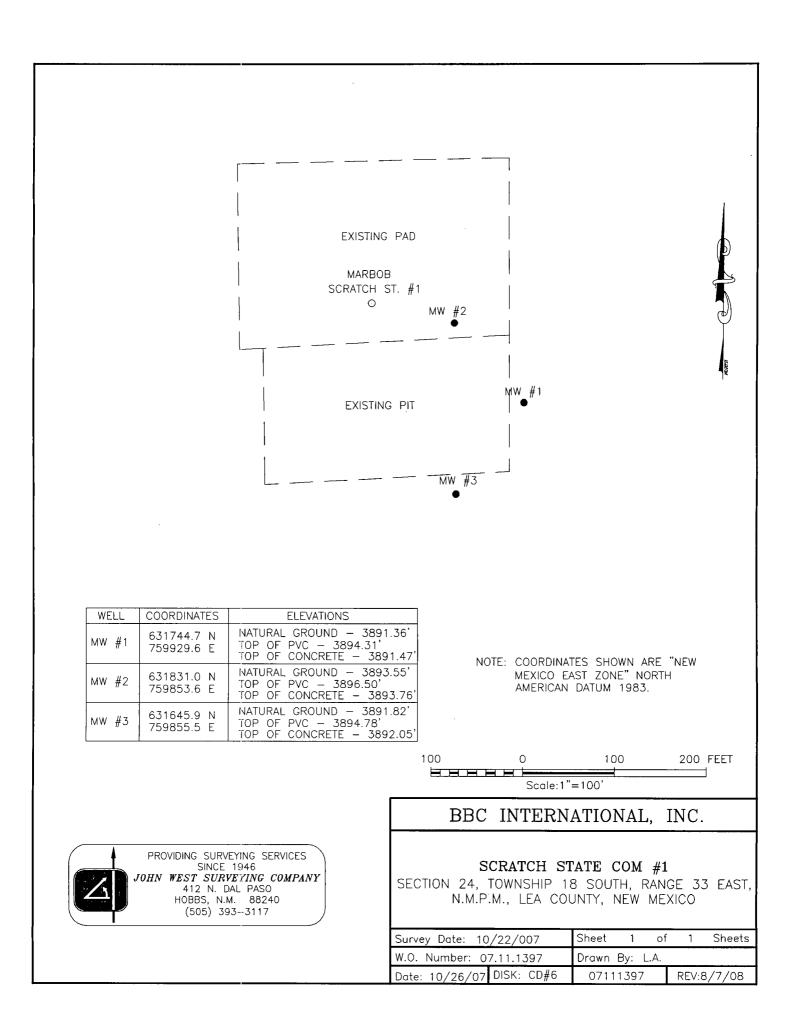
Wayne Price Environmental Bureau Chief

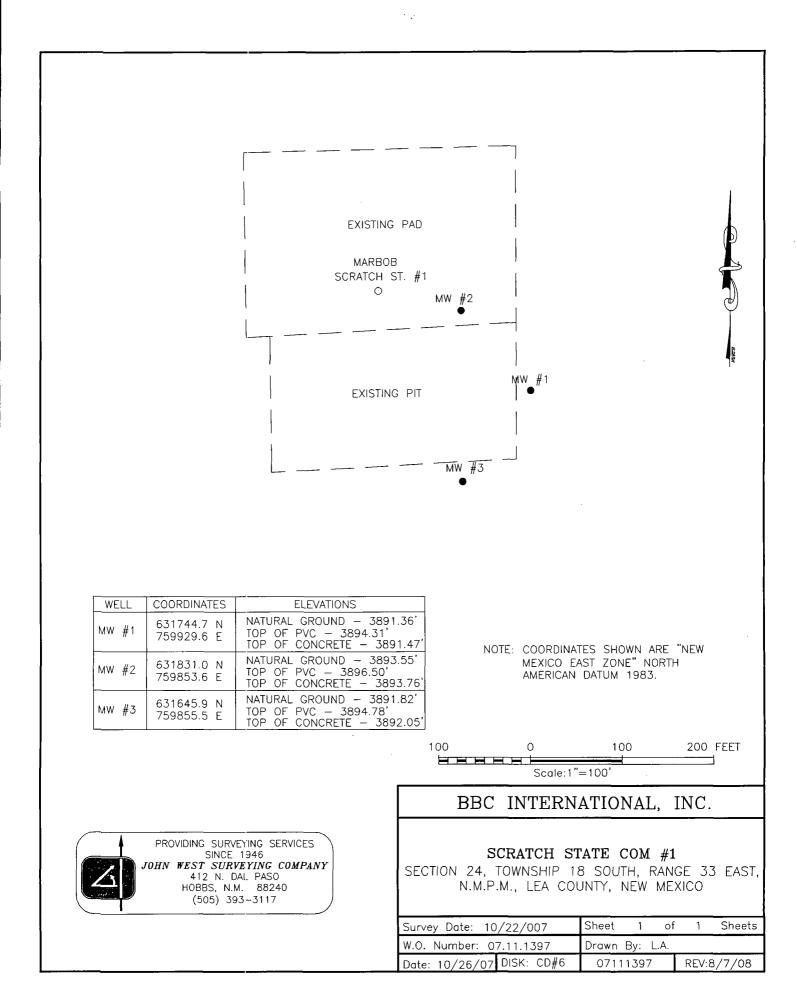
WP/gvg

cc: Chris Williams Larry Johnson

1625 N. French Dr., Hobbs, NM 88240	State of New Mexico	Form C-14 Revised October 10, 20
301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec. NM 87410 District IV RECE	Qil C <del>onse</del> rvation Division 1220 South St. Francis Dr.	Submit 2 Copies to appropria District Office in accordan with Rule 116 on ba
220 S. St. Francis Dr., Santa Fe. NM 87505	Santa Fe, NM 87505	side of for
2 Release No	offication and Corrective Action	on
	OPERATOR	Initial Report Final Rep
Name of Company MARLob ENERgy Con Address PO Box 227 Actesia nm	p. Contact C/14 Bimson 88211 Telephone No. 505-397	
Facility Name Scratch State	Facility Type of well	
Surface Owner State OF n.m Min	neral Owner State	Lease No.
·· 1	OCATION OF RELEASE	
Unit Letter Section Township Range Feet from 24 185 33E 198		WEST LEA.
77 785 332 778 Latitude	Longitude	WEST LOTT.
· · · · · · · · · · · · · · · · · · ·	NATURE OF RELEASE	-
Type of Release Pit Liner	Volume of Release	V Volume Recovered None
Source of Release P:+ Was Immediate Notice Given?	If YES, To Whom?	Date and Hour of Discovery 8/20/0
	Not Required Daniel Stanchez -	Olune : WAYNE Price-EM
By Whom? Rench French & Chitt Brune Was a Watercourse Reached?	Sont Date and Hour 8/20/001 If YES, Volume Impacting the W	vatercourse.
Yes 🗌 No	UKnow	AL
It's Watercourse was Impacted, Describe Fully.* Do Not Know the extent		1
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### 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 ( $m_g/L$ ).

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 of 0.20 mm screen. The well was set with a 2 inch casing and 15 feet of 0.20 mm screen 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.



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

		CI
LAB NUMBER	SAMPLE ID	(mg/Kg)
H13282-1	MW1 @ 35'	< 16
H13282-2	MW1 @ 40'	3919
H13282-3	MW1 @ 45'	3479
H13282-4	MW1 @ 50'	208
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Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1

METHOD: Standard Methods 4500-CIB Note: Analysies performed on 1:4 w:v aqueous extracts.

29 Date

H13282 BBC

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

	(316) 673-7007 Fax (310) 673-7007 Fax (310) 673-7007 Fax (310) 07 07 020 Project Hanager: (1), (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	ARDINAL LABORATORIES, 2111 Beechwood, Abliene, TX 79603
Please fax written changes to 505-393-2476.	Imp:     Imp:	CHAIN )RIES, INC, x 79603 101 East Marland, Hobbs, NM 88240 x 7000 1405/ 1993-2326 Fax (505) 393-2478
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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, MARBC/B 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

		CL
LAB NUMBER	SAMPLE ID	(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
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Quality Control	· · · · · · · · · · · · · · · · · · ·	490
Quality Control True Value QC	· · · · · · · · · · · · · · · · · · ·	500

**METHOD: Standard Methods** 

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

09-28-07 Date

4500-CIB

### H13393 BBC

PLEASE NOTE: Liability and Damages. Cardinat's lightly and client's exclusive remedy for any claim arising, whether based in contract of ton, shall be limited to the amount paid by client for analysoe All claims. Including those for negligence and any other cause wholsoever shall be deemed vaived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, attiliates 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 Rellinguished: Railinguished: Railinguished By: Dolivered By: ICircle One) Campia: UPS - Bus - Other:	Project Manager. (If $M$ Brinnston Address: 1324 W. Marland Crip: Habbs State: NM Zlp: 8 Phones # 505 397-6388 Fax # 505 397-0 Project Name: Savatch St. Com #1 Project Name: Savatch St. Sava	ARDINAL LABORATORIES, 2111 Beachwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020 Company Name: BBC, Intexnational
Received By: Phone Result: Received By: [Lab Staff] Received By: [Lab Staff] Received By: [Lab Staff] Received By: [Lab Staff] Remarks: Rema	WASTEWATER     P.O. #       WASTEWATER     Company:       Dob     Chrippiny:       Dob     Chrippiny:       Dob     Chry:       Dob     Chry:       Dob     Chry:       Solit     State:       State:     Sittle:       Phone #:     Phone #:       Phone #:     Phone #:       Prove #:     Phone #:       Phone #:     Phone #:       Pactor     State:       State:     Sittle:       V     CRUDGE       OTHER:     Phone #:       Pactor     Phone #:       Pactor     Phone #:       Pactor     Phone #:       Phone #:     Phone #:       Pactor     Phone #:       Phone #:     Phon	<i>INC.</i> 101 East Marland, Hobbs, NM 88240 (506) 393-2326 Fax (506) 393-2476 [1]
Soruik: DYes DNo [AddTPhone #: 1912: DYes DNo [Add1] Fax #: KS₁ KS₁		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinat cannot accept Verbal changes. Please fax written changes to 505-393-2476.

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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: 09/04/07 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

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

METHOD: Standard Methods 4500=CIB Note: Analysis performed on a 1:4 w:v aqueous extract.

06/07

### H13233 BBC

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirds (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 any of the above-stated reasons or otherwise.

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Written changes to 505-393-2476.	Received By (Lab Staff) Vil Automation CHECKED BY: Cool Intect (Initials) Cool Intect (Initials)		ompionien of Six applicable rit, Jix subscheinler, rani ar okhenniks,				G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL CRUDE OIL SLUDGE OTHER : ACID/BASE: ICE / COOL GTHER :	MATRIX PRESERV SAMPLING	Phone #:	Varbab City:	397-0397	In: 87740 Attn: A ANY		The BILLIO	///C, 101 East Marland, Hobbs, NM 88240 (A05) 393-2326 Fax (505) 393-2476	CHAIN-
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PHONE (325) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 78603

PHONE (505) 393-2325 + 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

	*	CL
LAB NUMBER	SAMPLE ID	(mg/L)
H13281-1	MW 1	396
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Quality Control		500
True Value QC		500
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Relative Percen	Difference	< 0.1
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METHOD: Standa	rd Methods	4500-CI B

Busta Superto Chemist

09/18/07 Date

### H13281 BBC

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any citim arising, whether based in contract or tort, shall be limited to the amount paid by client for anxiety and client's exclusive remedy for any citim arising, whether based in contract or tort, shall be limited to the amount paid by client for anxiety and client's exclusive remedy lor any citim arising, whether based in contract or tort, shall be limited to the amount paid by client for anxiety and client's exclusive remedy lor any citim arising. Whether based in contract or tort, shall be limited to the amount paid by client of the applicable service. In no event shall cardinal within think (30) days after completion of the applicable service. In no event shall cardinat be liable for incidental or consequential damages, including, without limitation, business interruptions, toss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors artising out of or related to the performance of services hereunder by Cardinat, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANAL YSIS REQUEST 100 Page L ANALYSIS REQUES \Add1 Phone 7: 1: 1 RUSSE FOR LARGENE LEVEN'S KARY VER AND I READ I READ FINAL FLAND FROM HAND FROM HAND FROM FROM FROM HAND F 96 1-19/4  $\geqslant$ TIME 9/11/02/11/055 SAMPLING BILL TO 2111 Béechwood, Abilene, JX 79803 101 East Marland, Hobbs, NM 88240 DATE CHECKED BY: (Inttals) (\$05) 393-2328 Fax (505) 393-2478 Zip: Address PRESERV 73 ; язнто Company: Phone #: ונב ו בססר た 0.4 🧎 Cardinal cannot accept yerbal слалдея. Р!наза fax written слялдая to 505-393-2476. Athr: State: Fax #: CHY: SVE/DIOV : яанто BOONS ample condition Cool Intact Ś Lab Staff MATRUX 87240 Fax # 505-397-039 אחסב סור 7105 Ind Project Owner: NLAY DO D RETAWETEAN 7 Recalved By: < ARDINAL LABORATORIES, INC. RGUNDWATER State: NM ZIP: CONTANERS C) (C) 848 08 (C) OND (915) 673-7001 Fax (915) 673-7020 Internationa # 9/12/07 MN 020 Brunson Marland Mar STD6 i, Sample I.D. Phone F 505-397-6388 Maliamar Project Name: Soviation 3 BBC Sampier - UPS + Bus + Other: Project Managor 2/11 5 + M H 3 HBY: ICISCIE Address: 1324 Σ Company Name: City: Hobbs Project Location: Sampler Name: נטא רים רצו מעל ī Lab I.D. badat H13.391 ProJect # ž Celivere Re

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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

		CI
LAB NUMBER	SAMPLE ID	(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
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an and a state of the state of		
Quality Control		490
True Value QC		500
% Recovery		98.0
<b>Relative Percen</b>	t Difference	2.0

METHOD: Standard Methods 4500-CI'B Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

25-0) Date

### H13393 BBC

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tork, shall be limited to the amount paid by client for analysis: All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirly (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 profils 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.

Railinguished By: ILab Steffi     Date: 7/0 7     Received By: ILab Steffi       Delivered By: ICircle One)     Time: 10     Sample Condition       Delivered By: ICircle One)     Time: 10     Sample Condition       Sampler-UPS - Bus - Other:     Cool     Intact     UPE       † Cardinal cannot accept vsrbal changes. Please fax written changes to 505-393-2476.	PLEASE KOTTE: USARy kal Okonowi. Okolowi h Mary kal okono usubani inmeh ka ary PLEASE KOTTE: USARy kal Okonowi A dokonowi aka any kala bakani inmeh kala any usungu u okono matarutu usuka kala kala kala matarutu da kala usuka usuka kala kala kala kala kala kala kala k	Lab I.D. Sample I.D. H13313-1 Mtvl 2 35' -2 Mtvl 2 40 -3 Mtvl 2 40 -5 Mtvl 2 50	Match Match	ARDINAL LABORATORIES, 2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020 Company Name: BR: The fay of the bor at
Received By: (Lab Starf)       When the Joyn dollow       Sample Condition       Cool       Intact       Cool       Intact       (Initials)       Pres       No       No       No       Sample to 505-393-2476.	PLSE KOTE. USSy sel Johnson, Godow's ballity per devent stands for any dam sub-op whose bands is be and is be small publicly in deci is file.  PLSE KOTE. USSy sel Johnson, Godow's ballity per devent stands for any compared and second in the second is been been been been been been been bee	S       S	P.O. #: ZID: 27240 Company: 377-0397 Address: SANE Marbeb City: ZIP: Marbeb State: ZIP: Phone #: Phone #: Phone #:	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST ES, INC. 303 101 East Marland, Hobbs, NM 88240 320 (505) 393-2326 Fax (505) 393-2476 RILL TO ANALYSIS REQUEST



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PHONE (505) 393-2328 . 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

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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

		CI
LAB NUMBER	SAMPLE ID	(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
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	······	
Quality Control		500
True Value QC		500
% Recovery		100
<b>Relative</b> Percen	t Difference	< 0.1
ETHOD: Standa		

Note: Analyses performed on 1:4 wiv aqueous extracts.

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ルマ 102 Date

### H13410 BBC

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 client for analyses. All claims, including those for negligence and any other cause whitebower shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be table for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or tose of profile incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services heraunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise,

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Anat accept Yerbal changes. F	RESENTE User all brack brack is by or don't use in the RESENTE User all brack brack is by or don't use in the RESENTE user all and the back for respective and the second and the back is the respective and and the back is the second and the second and the back is the second and the seco	MW3 35 MW3 40, MW3 40, MW3 40, MW3 50,	Cliff Grun Liff Brun 1 W. Mari 1 Sq1-6388 Waljamay Amy Kuth	LLABORA] Shwood, Abliener, 73-7001 Fax (915)
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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: 10/02/07 Reporting Date: 10/02/07 Project Owner: MARBOE 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

		CI
LAB NUMBER	SAMPLE ID	(mg/L)
H13411-1	MW 2	45,590
	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1
METHOD: Standa	rd Methods	4500-CFB

Kinsten Suppleto

\_\_\_\_\_\_ Date

H13411 BBC

PLEASE NOTE: Lieblity and Damages, Cardina's liability and client's exclusive ramedy for any claim strising, whether based in contract or tort, shall be limited to the amount paid by client for antitysos All claims, including those for negligence and any other cause whatsoever shall be deened waived unless made in writing and received by Cardinal within thirty (30) days after completion of the implicable service, in no event shall Cardinal be liable tor incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, affiliates or successore arising out or or leated to the performance of services hereunder by Cardinal, regardiess of whether such claim is based upon any of the showe-stated reasons or otherwise.

Relinguished By: (Clicle One) Date: 10/2/07 Received By: (Lab Raif) Io/2/07 Received By: (Lab Raif) Delivered By: (Clicle One) Received By: (Lab Raif) Delivered By: (Clicle One) Received By: (Lab Raif) Sampler - VP3 - Bus - Other: Received By: (Lab Raif) Samp	XESSE KITE Vices of bracket Coder's help with some under inner in any damy ble vices based in solve with the based of the	HI       Image: Constraint of the second secon	4 W. Marland smis: NM210: 88240 -397-6388 Fax# 505-397-0397 Maljamar Maljamar Maljamar	ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, 7X 79603 101 East Marland, Hobbe, NM 88240 [915] 573-7001 Fax (915] 573-7020 (605) 383-2326 Fax (505) 393-2476 Company Name: <u>BBO Trifern &amp; Linual</u> (505) 393-2476 Project Manager: 11:00 Review of the P.O. #
	Image: Source of the standard set of the standard			ANALYSIS REQUEST

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PHONE (505) 393-2328 + 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: 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

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

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10/04/07 Date

### H13431 BBC

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	ANALYSIS REQUEST														D Yes D No Add'i Phone #: D Yes D No Add'i Fax #:	
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AL LABORATOR/ES st Mariand, Hobbs, NM 88240 393-2326 FAX (505) 393-2475	3BC International	Cliff Brunson	DASS 4. Mariand Bate: AM Zin: 00010	75-377-6398 Fax#: 555-397-0397	Project Owner: Max Dob	PUCATOR TO CON #1	Hun Kuth	MATRIX	S S S S S S S S S S S S S S	<u> </u>			PLEASE NOTE: Lable and Osmager Cauteris Society and Claris Exclude a much liz any claim aitera realitie based for course or th	<u>-</u>	Time: Received By:	Relindvished By Automatic Date: And Received By: Delivered By: Circle One! 200 12200 Sample Condition Sampler - UPS - Bus - Other: Cool Indect

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



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: (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

		C
LAB NUMBER	SAMPLE ID	(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: Standar	rd Methods	4500-СГВ

Blister Supple

Date

### H13569 BBC

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

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ARDINAL LABORATORIES, 2111 BEBCHWOOD, ABIDERD, TX 79503	~~~	it Marland, Hobbs, NM 88240	۰.		På ĝe		
(915) 673-7001 Fax (915) 673-7020	1 (605	OLT TT/B		ANALYSIS	REQUEST		
BBC 1		P.O. #		 - <u> </u>			
		Сопрвну;		 			
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Project Location: Maliamay, NM				 			
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Sampler - UP3 - Bus - Other:				 			
+ Cardinal cannol accept verbal changes. Please fax written phangee to 505-333-2476.	tak written phanges to 50	15-333-2478.					

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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

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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

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		Cl
LAB NUMBER	SAMPLE ID	(mg/L)
H13842-1	MW1	512
H13842-2	MW2	42,400
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·		·
Quality Control	·····	500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1
METHOD: Standa	rd Methods	4500-CI <sup>-</sup> B

Bisto Suparos

### H13842 BBC

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim scising, whether based in contract or ton, shall be limited to the amount paid by client for analyses. All clears, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thiny (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 profiles incurred by client, its subsidiaries, affiliates or successors arising out 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.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST They are all with the provident of the p 1 10 Pigad ANALYSIS REQUES 1 للممالحية NEW KATE FLAST STEDENLY, Kady war market manet from directed for the first for the first for the market for and solution of the first for an and solution of the first for an and solution of the first for and solution of the first for an and solution Chloride ک TIME 2/4/27 1410 02 h1 40/h/2, SAMPLING 2111 Béechwood, Abilene, TX 79503 101 East Marlend, Hobbe, NM 88240 (915) 673-7001 Fax (915) 573-7020 (\$05) 333-2326 Fax (505) 333-2478 DATE A A , Z1p: ECICED BY (BIE Hall) VHAPAGE занто Company: Address Phone #: P.O. # 1000/301 > Stelle: 🕴 Cardinal cannol accept yerbal changes. Please tak written changes to dub-eas-2476. Attric CHy: Fex #: STRUCT : NOHID 3 SUDDE Cool Intect Seven Seven D No D No Phone 505-397-6388 Fext 505-397-0397 Bample Condition Valen State: N/M ZIp. 88240 CRUDE OIL THE Project Dymer: NAY by D 7109 MATEWATER Received By: ARDINAL LABORATORIES, INC. 3 RETAWORLORS Ş C CONTAINERS GRAD (D) AD BAR(D) who who International # MM Date: 4/67 Project HEMGI SCY JUD A. Com 658 Brungon Marland Magifenst Sample I.D. えんせん BB2. Sampler . UPS . Bus . Drham e Qne HMLL M WK-MW 11-TH88 1H Address: 1324 Company Name: Project Manager Hobbs Project Location: Sempler Name: 100 201802 2011 Lab LD. Project # piligqu'shed Delivered 1 MA CHO:



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

		C
LAB NUMBER	SAMPLE ID	(mg/L)
H14155-1	MW1	35,200
H14155-2	MW2	44,400
	·	
	······································	·····
Quality Control		500
True Value QC		500
% Recovery	·	100
Relative Percen	t Difference	< 0.1
METHOD: Sitanda	rd Methods	4500-CI'B

### H14155 BBC

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 client for analyse. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicabl 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.

	2111 Beechwood, Abilene, TX 79603	REQUEST
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 Company Name: 月 B/ソ エルトッケ ハット・ホット	FAX (325)673-7020 BILL TO ANALYSIS REQUES	
Project Manager: Cliff Brunson		
Address: 1324 W. Marland	Company:	
City: Hobos State: N M Zip: 22200	Attn:	
2 Phone #: 525- 397- 6388 Fax #: 505-397-0397	Address: C' M	
	City: C	
Project Name: Scratch St. Arr, #1	State: Zip:	
Project Location: N aliamar NN	Phone #:	
Sampler Name: A west Richh	Fax #:	
	PRESERV SAMPLING	· · · · · · · · · · · · · · · · · · ·
ਬਤ s	2.00	
SAJNIA ITAWO AJTAW	0 :3S	
SPAB (5 COUT) SPAB (5 COUT) SPAB (1 COUT) SPAB (1 COUT)		· · · · · · · · · · · · · · · · · · ·
	1/24/68 12	
-2 MWZ GIV		
LEASE NOTE: Labuity and Damages. Cardinal's liability and clearits exclusive remedy for any claim misting whether based in contr autores. All relatives inclusion those for exclusions are not on the bounds with bound of the misting misting m	ated or total shall be limited by the amount paid by the client for the	
service. In your ways and and and and an and and an and a ways ways and an entring any served of candia man buy and any and an and a served of and		
Relinduished BY:	Phone Result:	
Religentished By: Received By Received By		
Time:		
Delivered Bv: (Circle One) Sample Cond Cool Intact Sampler - UPS - Bus - Other:	Condition CHECKED BY: ntact (Initials)	
	NO	

Ì

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

÷. 20



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

	C
LAB NUMBER SAMPLE ID	(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-C[B
INCTITUD. Standard Mathous	4500-C/ B

15108 Date

### H14646 BBC

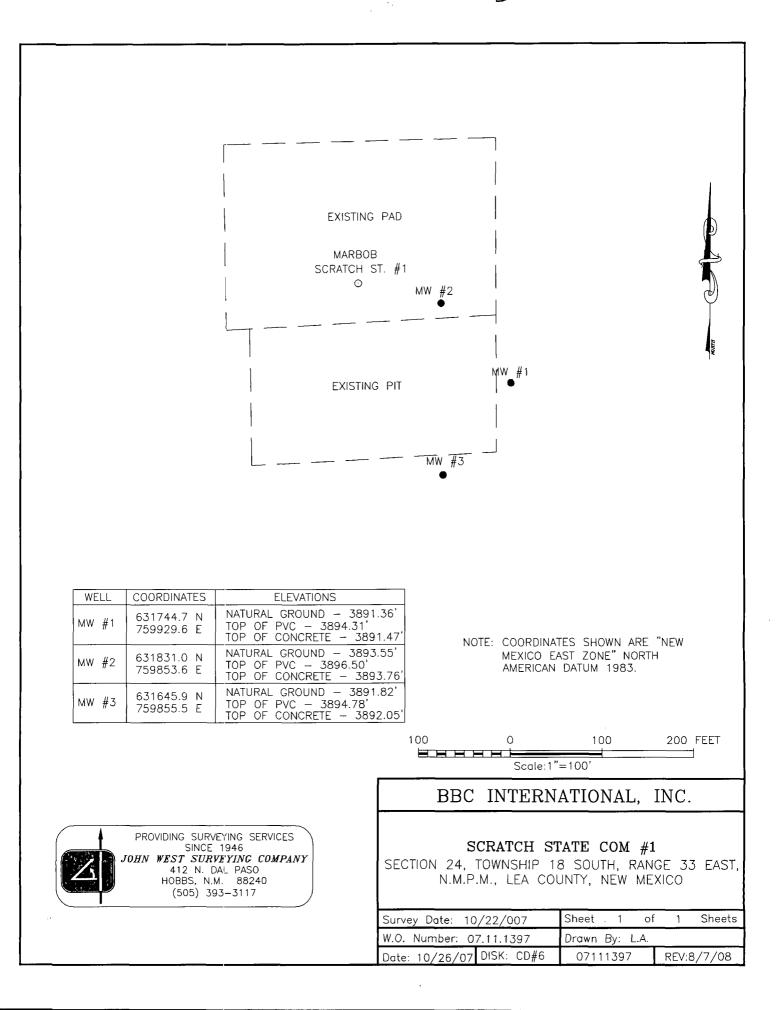
PLEASE NOTE: Liability and Damages. Candinul's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shell be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Candinal within thirty (30) days after completion of the applicable service. In no event shell Cerdinal we liable for incidental or consequential damages, including, without limitation, business interruptiona, loss of use, or loss of use, or loss of profils incurned by client, its subsidiaries, affiliates or successors arising cut of or related to the performance of services hereunder by Candinal, regardless of whether sub claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written epproval of Cerdinal Laboratories.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST ANALYSIS REQUEST														the second second second the second se	tes D No Add! Phone#: tes D No Add! Fax#:		
sechwood, Abilene, TX 79603 3-7001 FAX (325)673-7020 A BILL TO		SSZ4D Attri	397	ob city: 2		Phone #:	Fa)	MATRIX PRESERV SAMPLING	жихатемитея 2011 201		V 414.08 1833 V			thar based in mutical, ce let's that be firmled to the around pair by the clard lot' fue at most in mutical, ce let's that be firmled to the around pair by the clard lot' fue at most in mutical are are lot at by Centrin at within 30 there allowed that completion of the expected by advecess instantization, bees of loss of loss at gran (its human dir differ, the auto Unites,		of Colart	Cool Integration CHECKED BY: Cool Integration (Initials) Errea Types (Initials)
ARDINAL LABORATORIES           101 East Marland, Hobbs, NM 88240         2111 Bit           (505) 393-2326 FAX (505) 393-2476         (325) 67           Company Name:         R.A.         7.0         7.5	Cliff Branson	ss: 1324 W. Plarland Robbe state: NN Zlo: 822	397-6388 Fax#: 575-39	Project Owner: M.2. Po	Sorated St. Com #1	Project Location. Maliamar, NM	Ami Ruth		С 2 2 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7		MW2 611 X			PLGLE 60TE: Vieberg and Demages. Condrolle leberg and show and yok any offen and of the fraction for the flow and the fractional pair by lead of the arcound pair by lead of the arcound pair by lead of the arcound of the complete of the system of the control of the system of the control of the system of the control of the system of the arcound of the control of the arcound of the system of the arcound of the	Relingues excreteurs series out of draw properties of the promotion of the series internet of the series of the se	ed By: Add Date: Received By	Ticlivered By: [Oircle One] 55 Sampler - UPS - Bus - Other: 6

RECEIVED 04/15/2008 02:57 5053970397

BBC INTERNATIONAL

30-025-36996



### 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

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by collect telephone call to (505) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

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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This inbound email has been scanned by the MessageLabs Email Security System.

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

This inbound email has been scanned by the MessageLabs Email Security System.

	30	0-025-36996
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	te of New Mexico erals and Natural Resources propervation Division South St. Francis Dr.	Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
1220 S. St. Francis Dr., Santa Fe, INM 87505 Sa.	nta Fe, NM 87505	
Welease Norme	OPERATOR	IIIII Initial Report  Final Report
Name of Company MARbob ENERGY Corp. Address P.O Box 227 Artosia, n.m. 882 Facility Name Scratch State	Contact Cliff Brinse	
	wner State	Lease No.
	TION OF RELEASE	
Unit LetterSectionTownshipRangeFeet from the2418533E1980	North 660	East/West Line County WEST LEA.
Latitude	Longitude URE OF RELEASE	
Type of Release P:t Liner Source of Release P:t Was Immediate Notice Given? Yes No Not Re By Whom? Danct French & Cliff Biunson Was a Watercourse Reached? Yes No If a Watercourse was Impacted, Describe Fully.* Do Not Know the extent of Describe Cause of Problem and Remedial Action Taken.* Compromised P:t - WAS: IN the proces Chibriches. Forty feet Behow grained sum Describe Area Affected and Cleanup Action Taken.* Unknown At this time. Must of the Side of Pit Lings free of chlos	TwpActs At this s of a dig-n-havl, all ace wet soils and w	Plate and Hour of Discovery 8/20/07 91/30 G -2:07 pm Watercourse. UN time time time with delinealing ater uns encountered.
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 reposed their operations have failed to adequately investigate and report the environment. In addition, NMOCD acceptance of a C-141 referred, state, or local Taws and/or regulations.	ete to the best of my knowledge and un elease notifications and perform correcti rt by the NMOCD marked as "Final Rep emediate contamination that pose a threa report does not relieve the operator of re	ve actions for releases which may endanger port" does not relieve the operator of liability It to ground water, surface water, human health
Signature: March March 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 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

Is pit or below-grade tan	ade Tank Registration or Clo ik covered by a "general plan"? Yes X or below-grade tank Closure of a pit or below	No 🗌
Operator: Marbob Energy Corporation		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 #: <b>30-025-36996</b> U/L or Qtr/0	Qtr SWNW Sec 24 T 18S R 33E
County: Lea LatitudeLongitude	NAD: 1927 🗖 1983 🗍 Surface	Owner Federal 📋 State 🛛 Private 🔲 Indian 🗍
Pit Type: Drilling Production Disposal Workover Emergency Lined Unlined	Below-grade tank         Volume:      bbl         Type of fluid:          Construction material:          Double-walled, with leak detection?       Yes	
Liner type: Synthetic I Thickness <b><u>12</u></b> mil Clay Volume bbl		458780
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 paints) <b>AP points</b>
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) Hobbs (0 points) Ordints
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) <b>0 points</b>
	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) In	dicate disposal location:
onsite 🗆 offsite 🛛 If offsite, name of facility Sundance Disposa	3) Attach a general description of remedial act	tion taken including remediation start date and end
date. (4) Groundwater encountered: No 🗌 Yes 🗌 If yes, show depth belo	ow ground surfaceft. and attach sa	mple results. (5) Attach soil sample results and a
diagram of sample locations and excavations. *Drilled 65' test hole		
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines , a Date: June 6, 2007	my knowledge and belief. I further certify that	the above-described pit of below-grade tank has e OCD-approved plan A.
Printed Namc/Title: Gerald Herrera	Signature	Hurring
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.	relieve the operator of liability should the content	s of the pit or tank contaminate ground water or any other federal, state, or local laws and/or
Approval: DIG & HAUL -SAMPLE Date: 16(1307		
Printed Name/Title	pit floor area	to be obtained from in each quadrant and mitted to NMOCD
	prior to back-	filling. (Chloride)

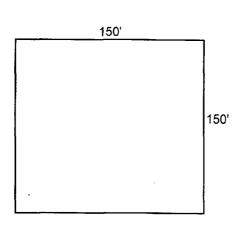
# Marbob Energy Corporation Attachment to OCD Form C-144

# 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: SAMPLE PIT BOTTOM FOR CHLORIDE - REMOVE TO ZSO PPM

 District I
 Form C-101

 1625 N. French Dr., Hobbs, NM 88240
 State of New Mexico
 Permit 3371

 District II
 Energy, Minerals and Natural Resources
 Pormit 3371

 1301 W. Grand Ave., Artesia, NM 88210
 Oil Conservation Division
 Permit 3371

 District III
 Oil Conservation Division
 Permit 3371

 1000 Rio Erazos Rd., Aztec, NM 87410
 1220 S. St Francis Dr.
 Permit 3271

 District IV
 Santa Fe, NM 87505
 Permit 3371

#### APPLICATION FOR PERMIT TO DRILL

MARBOB ENERGY	Operator Name and Address 7 CORP	OGRID Number 14049
PO Box 227 Artesia, NM 8821	API Number 30-025-36996	
Property Code 34465	Well No. 001	

#### **Surface Location**

				·····					······································	ñ.,
UL or Lot	Section	Township	Range	Lot. Idn	Feet From	N/S Line	Feet From	E/W Line	County	
E	24	185	33E	E	1980	N	660	w	Lea	
	*			•			·	·	· · · · · · · · · · · · · · · · · · ·	

**Proposed Pools** 

CORBIN; MORROW, SOUTH (GAS) 75080

87505

Wark Type New Well	Well Type GAS	Cable/Rotary	Lesse Type State	Ground Level Elevation 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
Inti	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 1b 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 1b 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 1b 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**

Туре	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	OIL CONSERVATION DIVISION Electronically Approved By: Paul Kautz		
and complete to the best of my knowledge and belief.			
Electronically Signed By: Diana Cannon	Title: Geologist		
Title: Production Analyst	Approval Date: 12/09/2004 Expiration Date: 12/09/2005		
Date: 12/08/2004 Phone: 505-748-3303	Conditions of Approval: There are conditions. See Attached.		

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Erazos 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 S. St Francis Dr. Santa Fe, NM 87505

### Form C-102 Permit 3371

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Nume	Pool Code
30-025-36996	CORBIN;MORROW, SOUTH (GAS)	75080
Property Code	Property Name	Well No.
34465	SCRATCH STATE COM	001
0grid n₀.	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
	ted Acres 20	Joint or	. Putill	Consoli	dation Code		Order	No.	

	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

From-WARBOB	15057462523	T-025 P.02/03 F-973
District III 1000 Rio Brazos Road, Aztec, NM 87410	State of New Mexico gy 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
ls pit or below-grad	-Grade Tank Registration of de tank covered by a "general plan"? A f a pit or below-grade tank S Closure of a pit	es XI No
Operator: Marbob Energy Corporation Address: PO Box 227, Artesia, NM 88211-0227 Facility or well name: Scratch State #1 A	Telephone: <b>505-748-3303</b> 3D=025-36996 PI#:U/L. or Q#/Qtr	e-mail address: land2@marbob.com
· · · · · · · · · · · · · · · · · · ·		Surface Owner Federal [] State 🛛 Private 🗍 Indian []
Pit         Type:       Drilling I Production I Disposal I         Workover       Emergency I         Lined I Unlined I         Liner type:       Synthetic I Thickness 12 mil         Clay I Volume	Below-grade tank       Volume:    bbl       Type of fluid:        Construction material:        Double-walled, with leak detection?	· · · · · · · · · · · · · · · · · · ·
Depth to ground water (vertical distance from bottom of pit to seasona water clevation 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) <b>0 points</b>
Wellhead protection area: (Less than 200 feet from a privato domestic water source, or less than 1000 feet from all other water sources.)	Yes Ng	(20 points) ( 0 points) <b>0 points</b>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 fr	(20 points) (ct (10 points) ( 0 points) <b>0 points</b>
	Ranking Score (Total Points)	0 points
If this is a pit closure: (1) attach a diagram of the facility showing the onsite in offsite in the offsite, name of facility date. (4) Groundwater encountered: No in Yes in If yes, show dep diagram of sample locations and excavations.	. (3) Attach a general description of pth below ground surfaceft. and	remedial action taken including remediation start date and end attach sample results. (5) Attach soil sample results and a
I hereby certify that the information above is true and complete to the been/will be constructed or closed according to NMOCD guideline Date: December 8, 2004	best of my knowledge and belief. I further cents of my knowledge and belief. I further cents for an (attached) a	tify that the above-described pit or other-grade tank has iternative OCD-approved play
Printed Name/Title: Melanie J. Parker / Land Depart Your certification and NMOCD approval of this application/closure du otherwise endanger public health or the environment. Nor does it relia regulations.	loes not relieve the operator of liability should the	in contents of the nit or rank contaminate around water or
Approval: Date: Printed Nam	Signature Con 3	tan

i

Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-10
District I	Energy, Minerals and Natural Resources	May 27, 200
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	<u>30-025-36996</u> 5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE X FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		
SUNDRY NOT	ICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A CATION FOR PERMIT" (FORM C-101) FOR SUCH	SCRATCH STATE COM
PROPOSALS.)		8. Well Number 1
1. Type of Well: Oil Well	Gas Well 🖾 Other	
2. Name of Operator	BOD EVEROU CORDOLATION	9. OGRID Number
	BOB ENERGY CORPORATION	14049 10. Pool name or Wildcat
•	BOX 227	
	ESIA NM 88211-0227	CORBIN; MORROW, SOUTH (GAS)
4. Well Location		
Onit Detter	<u>1980</u> feet from the <u>NORTH</u> line and	
Section 24	Township 18S Range 33E	NMPM LEA County NM
	11. Elevation (Show whether DR, RKB, RT, GR,	etc.)
Pit or Below-grade Tank Application [] o	3893' GR	
Pit typeDepth to Groundw	aterDistance 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 Not	ice, Report or Other Data
· · · · · · · · · · · · · · · · · · ·		
of starting any proposed we or recompletion. SPUD WELL @11:30 PM 54# J-55 CSG TO 403	leted operations. (Clearly state all pertinent details ork). SEE RULE 1103. For Multiple Completions I ON 04/25/05. DRLD 17 1/2" HOLE 1 . CMTD W/475 SX P+, PD @3:00 PM	s: Attach wellbore diagram of proposed complet
<ul> <li>13. Describe proposed or composition of starting any proposed we or recompletion.</li> <li>SPUD WELL @11:30 PM 54# J-55 CSG TO 403</li> </ul>	oleted operations. (Clearly state all pertinent details ork). SEE RULE 1103. For Multiple Completions ON 04/25/05. DRLD 17 1/2" HOLE	SPUD CSG/CMT [X] s, and give pertinent dates, including estimated d s: Attach wellbore diagram of proposed complet TO 403!, RAN 10 JTS (406.01!) 13
<ul> <li>13. Describe proposed or composition of starting any proposed we or recompletion.</li> <li>SPUD WELL @11:30 PM 54# J-55 CSG TO 403</li> </ul>	leted operations. (Clearly state all pertinent details ork). SEE RULE 1103. For Multiple Completions I ON 04/25/05. DRLD 17 1/2" HOLE 1 . CMTD W/475 SX P+, PD @3:00 PM	SPUD CSG/CMT [X s, and give pertinent dates, including estimated d s: Attach wellbore diagram of proposed complet TO 403!, RAN 10 JTS (406.01!) 13
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<ul> <li>13. Describe proposed or composition of starting any proposed we or recompletion.</li> <li>SPUD WELL @11:30 PM 54# J-55 CSG TO 403</li> </ul>	leted operations. (Clearly state all pertinent details ork). SEE RULE 1103. For Multiple Completions I ON 04/25/05. DRLD 17 1/2" HOLE 1 . CMTD W/475 SX P+, PD @3:00 PM	SPUD CSG/CMT [X s, and give pertinent dates, including estimated d s: Attach wellbore diagram of proposed complet TO 403', RAN 10 JTS (406.01') 13 ON 04/27/05, CIRC 170 SX TO PIT
<ul> <li>13. Describe proposed or composition of starting any proposed we or recompletion.</li> <li>SPUD WELL @11:30 PM 54# J-55 CSG TO 403</li> </ul>	leted operations. (Clearly state all pertinent details ork). SEE RULE 1103. For Multiple Completions I ON 04/25/05. DRLD 17 1/2" HOLE 1 . CMTD W/475 SX P+, PD @3:00 PM	SPUD CSG/CMT [X s, and give pertinent dates, including estimated d s: Attach wellbore diagram of proposed complet TO 403', RAN 10 JTS (406.01') 13 ON 04/27/05, CIRC 170 SX TO PIT
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<ul> <li>13. Describe proposed or compof starting any proposed we or recompletion.</li> <li>SPUD WELL @11:30 PM 54# J-55 CSG TO 403 WOC 18 HRS, TSTD CS</li> <li>WOC 18 HRS, TSTD CS</li> </ul>	above is true and complete to the best of my know closed according to NMOCD guidelines [], a general perm	SPUD CSG/CMT s, and give pertinent dates, including estimated d s: Attach wellbore diagram of proposed complet TO 403!, RAN 10 JTS (406.01') 13 ON 04/27/05, CIRC 170 SX TO PIT ON 04/27/05, CIRC 170 SX TO PIT CARE AND ADDRESS AND
<ul> <li>13. Describe proposed or compof starting any proposed we or recompletion.</li> <li>SPUD WELL @11:30 PM 54# J-55 CSG TO 403 WOC 18 HRS, TSTD CS WOC 18 HRS, TSTD CS</li> <li>I hereby certify that the information grade tank has been/will be constructed or SIGNATURE Delucity.</li> <li>Type or print name DEBORA L.</li> </ul>	above is true and complete to the best of my know closed according to NMOCD guidelines [], a general perm MILBOURN F-mail address: geolog	SPUD CSG/CMT s, and give pertinent dates, including estimated d s: Attach wellbore diagram of proposed complet TO 403', RAN 10 JTS (406.01') 13 ON 04/27/05, CIRC 170 SX TO PIT ON 04/27/05, CIRC
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Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I Ener	rgy, Minerals and Natural Resources	May 27, 2004 WELL API NO.
1625 N. French Dr., Hobbs, NM 88240 District II		30-025-36996
1301 W. Grand Ave., Artesia, NM 88210 OII District III	L CONSERVATION DIVISION	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr. Santa Fe, NM 87505	STATE X FEE
District IV 1220 S. St. Francis Dr., Santa Fe, NM	Santa Pe, INVI 67505	6. State Oil & Gas Lease No.
87505 SUNDRY NOTICES AND	REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DE DIFFERENT RESERVOIR. USE "APPLICATION FO		
PROPOSALS.)		SCRATCH STATE COM 8. Well Number 1
1. Type of Well: Oil Well     Gas Well       2. Name of Operator     MARDON TWO	Other	8. Well Number 1 9. OGRID Number
MARBUB ENE	CRGY CORPORATION	14049
3. Address of Operator P O BOX 22		10. Pool name or Wildcat
ARTESIA, N 4. Well Location	IM 88211-0227	CORBIN; MORROW, SOUTH (GAS)
Unit Letter E : 1980	feet from the NORTH line and	feet from the WEST line
Section 24	Township 18S Range 33E	NMPM LEA County NM
Structure 11. Elev	ation (Show whether DR, RKB, RT, GR, etc	c.)
Pit or Below-grade Tank Application 🗌 or Closure	3893' GR	
	Distance from nearest fresh water well Di	istance from nearest surface water
		Construction Material
	ate Box to Indicate Nature of Notice	
NOTICE OF INTENTIC	NTO: SUL ND ABANDON CREMEDIAL WO	BSEQUENT REPORT OF: RK
	— 1	
<u> </u>		· · · · · · · · · · · · · · · · · · ·
OTHER:	OTHER: INT	MD CSG/CMT
		nd give pertinent dates, including estimated date
	RULE 1103. For Multiple Completions: A	Attach wellbore diagram of proposed completion
or recompletion.		
05/09/05 @9:45 AM, DRLD 12	1/4" HOLE TO 4950'. RAN 110	6/JIS (4951:09') 8 5/8" CSG TO
4948'. CMTD 1ST STG W/400	SX INTERFIL-C, TAILED IN W/3	300 SX P+, PD @2:00 AM ON 05/10/
CIRC 96 SX TO PIT. WOC 18	HRS, TSTD CSG TO 1500# F/30	MIN.
		14151617 18 70 20
		AN PIL
		STITUTION AND AND AND AND AND AND AND AND AND AN
		6.0 600
		4.5
		-150592
I hereby certify that the information above is tru	ue and complete to the best of my knowled	ge and belief. I further certify that any pit or below-
grade tank has been/will be constructed or closed accord	ding to NMOCD guidelines 🛄, a general permit 🗌	] or an (attached) alternative OCD-approved plan 🗍.
SIGNATURE Neliono Z. Yill	GUIN TITLE GEOTECH	DATE05/12/05
Type or print name DEBORA L. WILBOURI	N E-mail address:	Telephone No 505-748-330
For State Use Only	geology	
APPROVED BY	TITLE	ENGINEER DATE MAY 1 7 200
Conditions of Approval (if any):	HILE	
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Office		te of New Mexico	Form C-103
District 1 ,1625 N. French Dr., Hobbs, NM 83		erals and Natural Resources	May 27, 2004 WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM		SERVATION DIVISION	30-025-36996
District III	1220 \$	South St. Francis Dr.	5. Indicate Type of Lease STATE S FEE
1000 Rio Brazos Rd., Aztec, NM 8 District IV	37410 San	nta Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, 1 87505	NM		
SUNDRY	Y NOTICES AND REPOR	TS ON WELLS D DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE			SCRATCH STATE COM
PROPOSALS.) 1. Type of Well: Oil Well	X Gas Well Oth	or	8. Well Number 1
2. Name of Operator	MARBOB ENERGY CO	RECEIVED	9. OGRID Number
3. Address of Operator	P 0 BOX 227	JUL 0 1 2005	14049 10. Pool name or Wildcat
5. Address of Operator		211-0227 OCU-ARTECIA	CORBIN; MORROW, SOUTH (GAS)
4. Well Location			
Unit Letter <u>E</u>	: <u>1980</u> feet from		
Section 24		ip 18S Range 33E ow whether DR, RKB, RT, GR, etc.,	NMPM LEA County NM
	38	ow whether DR, KKB, KI, GR, elc., 93° GR	
Pit or Below-grade Tank Applicat			
Pit typeDepth to G	FroundwaterDistance fro	om nearest fresh water well Dist	tance from nearest surface water
Pit Liner Thickness:	mil Below-Grade Tan	k: Volumebbls; Co	onstruction Material
12. Cl	heck Appropriate Box	to Indicate Nature of Notice,	Report or Other Data
	OF INTENTION TO:	SUB	SEQUENT REPORT OF:
PERFORM REMEDIAL WO			
TEMPORARILY ABANDON		· · ·	
PULL OR ALTER CASING			тјов 🔲
OTHER:		OTHER: TD CS	G/CMT
13. Describe proposed o	r completed operations. (C	Clearly state all pertinent details, and	d give pertinent dates, including estimated date
of starting any prope or recompletion.	osed work). SEE RULE 11	03. For Multiple Completions: At	ttach wellbore diagram of proposed completion
TD WELL @8:45 AM 0	N 06/22/05. DRLD	6 1/8" HOLE TO 13710'.	RAN 323 JTS (13711.55') 4 1/2"
11.6# P-110 CSG TC	) 13708.90'. CMTD	1ST STG W/650 SX PB SUP	PER H. PD @2:30 AM 06/24/05.
	C. CMITU ZNU STG W79		
CIRC 175 SX TO PIT	IOT CIRC PAN TEMP	SUBARY - TOC 83000! U	V/200 SX PB SUPER H, PD @9:45
CIRC 175 SX TO PIT	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. W	J/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
CIRC 175 SX TO PIT AM 06/24/05, DID N	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. W	V/200 SX PB SUPER H, PD @9:45
CIRC 175 SX TO PIT AM 06/24/05, DID N	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. W	V/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
CIRC 175 SX TO PIT AM 06/24/05, DID N	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. W	V/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
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CIRC 175 SX TO PIT AM 06/24/05, DID N	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. V	V/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
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CIRC 175 SX TO PIT AM 06/24/05, DID N	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. V	V/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
CIRC 175 SX TO PIT AM 06/24/05, DID N	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. V	V/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN.	NOT CIRC, RAN TEMP	SURVEY - TOC_@3000'. W	V/200 SX PB SUPER H, PD @9:45 NOC 18 HRS, TSTD CSG TO 1500#
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN.	NOT CIRC, RAN TEMP	SURVEY - TOC @3000'. W	V/200 SX PB SUPER H, PD @9:45
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN.	NOT CIRC, RAN TEMP	SURVEY - TOC_@3000'. W mplete to the best of my knowledg OCD guidelines [], a general permit []	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan [].
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN. Phereby certify that the inform grade tank has been/will be constru- SIGNATURE <u>Achicus</u>	mation above is true and con ucted or closed according to NM	SURVEY - TOC_@3000'. W mplete to the best of my knowledg IOCD guidelines [], a general permit [] TITLE_GEOTECH	e and belief. ) further certify that any pit or below- or an (attached) alternative OCD-approved plan [].
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN. Phereby certify that the inform grade tank has been/will be constru- SIGNATURE <u>Juliana</u> Type or print name DEBORA	mation above is true and con ucted or closed according to NM	SURVEY - TOC @3000'. W mplete to the best of my knowledg toCD guidelines [], a general permit [] TITLE <u>GEOTECH</u>	e and belief. ] further certify that any pit or below- or an (attached) alternative OCD-approved plan [].
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN. Phereby certify that the inform grade tank has been/will be constru- SIGNATURE <u>Achican</u>	mation above is true and con ucted or closed according to NM	SURVEY - TOC_@3000'. W mplete to the best of my knowledg tOCD guidelines [], a general permit [] TITLE E-mail address: geology@n	e and belief. 1 further certify that any pit or below- or an (attached) alternative OCD-approved plan []. DATE_06/30/05 Telephone No 505-748-3303
CIRC 175 SX TO PIT AM 06/24/05, DID N F/30 MIN. hereby certify that the inform rade tank has been/will be constru- SIGNATURE <u>Julian</u> Type or print name DEBORA	mation above is true and con ucted or closed according to NM X. Millbourn A. L. WILBOURN	SURVEY - TOC_@3000'. W mplete to the best of my knowledg tOCD guidelines [], a general permit [] TITLE E-mail address: geology@n	e and belief. ] further certify that any pit or below- or an (attached) alternative OCD-approved plan [].

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				Fm	Pm	N		
	REFERENCE SHEET	FOR	17-21 W	XX	XX	xx		•
	UNDESIGNATED WE	ELLS	17-21 C	XX	XX	хx		
						1.	Date:	8/10/2005
paragraph	]		2. Type of Well:					
			Oil:	LEA		IS:	XX	
4. Operator:			3. County:		API N	UMBE	R: %	
>> <u>MARBOB EN</u>				-	30			- 36996
5. Address of Operator >> PO BOX 227								
>> ARTESIA NM	88211-0227			-				
6. Lease name or Unit Agreement				-			7. Wel # -	Number
SCRATCH S 8. Well Location							# •	· 1
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		11. Pens	Тор <b>13170</b>					Bottom 13308
10. Name of Producing Formation(s	)	12. Open Hole Ca	asing shoe		PBTD	or 10	O Open	Hole
			8					× 40740
MORROW				-				<u>13710</u>
MORROW 13. C-123 Filed: Date Y N XX	15. Name of Pool Re CORBIN;M	equested: IORROW, SOUTH	I (GAS)	-				13710 Pool ID num 75080
13. C-123 Filed:         Date           Y         N         XX           16. Remarks:         Kemarks:	CORBIN;M	IORROW, SOUTH	I (GAS)					ူPool ID num
13. C-123 Filed: Date Y N XX	and a second second second second second	IORROW, SOUTH	I (GAS)					ူPool ID num
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND	CORBIN;M W/2 DEDIC	IORROW, SOUTH	I (GAS)					ူPool ID num
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST	CORBIN;M W/2 DEDIC	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND	CORBIN;M W/2 DEDIC	IORROW, SOUTH	I (GAS)					ူPool ID num
13. C-123 Filed:     Date       Y     N     XX       16. Remarks:     EXTEND       TO BE COMPLETED BY DIST       17. Action taken     18. Pool Name	CORBIN;M W/2 DEDIC	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:     Date       Y     N     XX       16. Remarks:     EXTEND       ITO BE COMPLETED BY DIST       17. Action taken     18. Pool Name       EXTEND     18. Pool Name	CORBIN;M W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW,	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND         T 18 S, R	CORBIN;M W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND         T       18. S, R         SEC 23:       S	<u>CORBIN;M</u> W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND         T 18 S, R	<u>CORBIN;M</u> W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND         T       18. S, R         SEC 23:       S	<u>CORBIN;M</u> W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4	IORROW, SOUTH	I (GAS)					Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND         T       18. S, R         SEC 23:       S	<u>CORBIN;M</u> W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4	IORROW, SOUTH	I (GAS)		Case	Num	ber	Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND       T         T       18. S, R         SEC 23:       S         SEC 24:       W	<u>CORBIN;M</u> W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4	IORROW, SOUTH	I (GAS)	20.	Case	Num	ber	Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND       T         T       18. S, R         SEC 23:       S         SEC 24:       W         19. Advertised for HEARING:         21. Name of pool for which was advertised	CORBIN;M W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4 I/2	IORROW, SOUTH	I (GAS)	20.	Case	Num	ber	Pool ID num 75080 Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND       T         T       18. S, R         SEC 23:       S         SEC 24:       W         19. Advertised for HEARING:         21. Name of pool for which was advertise         CORBIN;MO	CORBIN;M W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4 I/2	IORROW, SOUTH	I (GAS)		Case			Pool ID num 75080 Pool ID num 75080 Pool ID num 75080
13. C-123 Filed:       Date         Y       N       XX         16. Remarks:       EXTEND         TO BE COMPLETED BY DIST         17. Action taken       18. Pool Name         EXTEND       T         T       18. S, R         SEC 23:       S         SEC 24:       W         19. Advertised for HEARING:         21. Name of pool for which was advertised	CORBIN;M W/2 DEDIC RICT GEOLOGIST CORBIN;MORROW, 33 E E/4 I/2	IORROW, SOUTH	I (GAS)	20.	Case		der nun	Pool ID num 75080 Pool ID num 75080 Pool ID num 75080

# WELL LOGS

A	PI number:	30-025-369	996							
	OGRID:		Operator:	MARBOB	ENERGY C	ORP				
			Property:	SCRATCH	SCRATCH STATE COM					
								•		
surface	ULSTR:	E	24	A	18S		33E			
		ł	1980	FNL	660	FWL				
BH Loc	ULSTR:	E	24		18S		33E			
			1980	FNL	660	FWL				
Gr	ound Level:		DF:	3909	<u>KB:</u>	3910				
	Datum:	KB			TD:	13710				
	Land:	STATE			Date Log	on Date: (1) s Received: Due in: (2)	8/9/2005	**Late		
Cor	nfidential:	NO				Date out:				
	Confidential	period: 90 Da	ys for State &	Fee, 1 Year f	or federal					
	Date Due In	: (1) is equal (			days					
	Logs		Depth in							
DSN/SDI			200				paced Neutr	and the second se		
DLL/MSF	<u>-L</u>		4938	13679	Dual Latero	log Micro Sp	perically Focu	used Log		
					·					
					[					

	OCD TOP	<u>S</u>		
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\_#1 COUNTY: Lea County, NM

E.24-185-33e 1980/N 0-660/W 30.025-36996

# STATE OF NEW MEXICO

### **DEVIATION REPORT**

<u>Depth</u>	<b>Deviation</b>	<b>Depth</b>	<b>Deviation</b>	1
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	
<b>3106</b> <sup>°</sup>	1 1/2	10677	2 2/3	
3406	1 1/4	10740	2 1/2	
3773	2	10804		-789702-
3900	1 3/4	10867	1 6,5	AUG 2015 Becoived Notes CCD CCD CCD CCD CCD CCD CCD CCD CCD CC
4186	: 1	10931	1 2/9	
4472	1	10995	117	ALLO STATE
4917	0	11058	151/2	
5419	1	11122	181/2	Notes 2
5927	1	11376	1\1/2	<u>ر</u> چې 000
6436	1 1/4	11421	1 6	100/
6912	2	11802	1/4	29242824585
7008	1 3/4	12275	1/2	
7262	-	12621	1/2	
7643	2	12951	3/4	
7833	1 1/2	13378	3/4	
		A (	)	
	i/i		F	
	<u> </u>	1. my Fi	$\wedge$	

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



Submit To A	Appropriat	Distric	t Office			State of More N	lovid		- <u></u>	Т					Form C-105
State Lease	- 6 copies	C Distric	a onice		State of New Mexico						Revised June 10, 2003				
Fee Lease - District I				Ene	Energy, Minerals and Natural Resources						WELL API NO.				
1625 N. Fre District II					Oil Conservation Division								<u>30-0</u>	<u>25-3</u>	16996
District III			ia, NM 88210		1220 South St. Francis Dr.							5. Indicate Type of Lease STATE X FEE			
1000 Rio B District IV		Aztec, N	IM 87410		Santa Fe, NM 87505						State Oil & Gas Lease No.				
1220 S. St.	Francis Dr		Fe, NM 87505		RECOMPLETION REPORT AND LOG							e. 50			
la. Type o	of Well:								<u>.</u>	£	7. Lease Name	200 B 200 B 200	and of the states		me
	OIL WEL	.L 🔲	GAS WELL	X DRY		OTHER									
b. Type	of Compl	etion: /ORK	DEEPEN	🗆 PLUG	. П	DIFF.									
WEL	.L0	VER		BAC		RESVR. 🗍 OTHI	ER			ł	SCRATC 8. Well No.	<u>H ST</u>	ATE	COM	
2. Name o	-										6. WEILING.				
MA 3. Address	RBOB	ENER	GY CORPO	RATION					·	╉	9. Pool name or	1 Wildca			
l	_		ARTESI	A · NM	002	11-0227					CORRIN	• MO	RROW	SC	OUTH (GAS)
4. Well Lo		221,	ARIESI	A, MI	002	11-0227					CONDIN	<u>, 110</u>	<u>IIIO</u>	,	
Un	nit Letter	· E	: 198	0 Feet Fro	m The	NORTH		Line and	d	66	0 Fee	From	Thern		WEST Line
i	ction		24	Townshi		185 Ra			33E	N	MPM 3	50 " -	Thezo	LÉÄ	County
10. Date S	Spudded	11. Da	ate T.D. Reache		Date Co	mpl. (Ready to Prod.)			vations (DI	F&	RKB, RT, GR,		스 14.	Elev. C	aşinghead
4/2 15. Total I	5/05	<u> </u>	6/22/05 16. Plug Back		$\frac{7}{171f}$	/19/05 Multiple Compl. How	Many	1	<u>389</u> 8. Intervals		GL / Rotary Tools	-AUG	Luve	able To	
	•		1358			mes?	l'inity		rilled By		0 8 137	5.00	i <b>ve</b>	d	17
			1358 of this completion		L ttom, Na	ame						. Was	Directio		veý Made
131	70' -	<u>133</u>	08' MOR								\ <u></u> 		NO		4.9 <u>/</u>
	CSN,		r Logs Run		•						22. Was Well (	ンored ごいてい こ	_NO; "	and the	
23.					CA	SING RECOR	D (1	Repor	t all str	in			<u> </u>		·····
	ING SIZE		WEIGHT			DEPTH SET		HOLE			CEMENTING			AM	OUNT PULLED
	<u>3 3/8</u> 8 5/8		54			403' 4948'			L/2" L/4"	-	<u>475 SX</u>				NONE
	<u>o 570</u> 7"		.26			4000'			7/8"		<u>700 SX</u> 350 SX				NONE
	4 1/2	"	11.	6#		13709'		6	1/8"	_	1750 SX	, CI	RC		NONE
24.			•			ER RECORD				25.	<u></u> т		RECO	חס	
SIZE		TOP		BOTTOM	LIIV	SACKS CEMENT	SCR	EEN		SIZ			'H SET		PACKER SET
				·							2 3/8"	13	100'		
26. Perf	foration re	cord (ir	nterval, size, and	l number)					<u>SHOT, F</u> ERVAL	R/	CTURE, CEN				
13	170'	- 13	308' (1	20 SHO	IS)				-13308	T	AMOUNT AN				
			•				<u>  * *</u>	<u>- /</u>	10000		11010 117		<u> </u>		
		· .													
28						PRC	DU	CTI	DN						
Date First	Production	מס	Рго	duction Met	hod (Fla	owing, gas lift, pumpin	g - Siz	e and ty	oe pump)		Well Status (	Prod. o	r Shut-ir	1)	
	30/05	_			DWING						PR				
Date of Te		Hours	Tested	Choke Size		Prod'n For Test Period	Oil -	Bbl		Jas	- MCF	Water	- Bbl.	ł	Gas - Oil Ratio
7/31 Flow Tubi		Casin	24 g Pressure	Calculated 2	24	Oil - Bbl.	L	59 Gas - M	<u></u>	11	1399 /ater - Bbl.		3		
Press.	шg	Cashig	griessure	Hour Rate			Ì	025 - 141		1	ater - Bor.		JII Gravi	ity - AP	Pl - (Corr.)
-		Gas (Sol	d, used for fuel,	vented, etc.)		······································				. •	l		nessed	•	
SO 30. List At		s										OW	EN P	UCKE	<u>STT</u>
40	GS, D	EVIA	TION SUR	VEY											
31.1 here	ny certif	y mat Y	me information	n snown on	poin si	ides of this form as t	rue a	na com	plete to th	ie t	est of my know	ledge	and be	lief	
Signatur	7 /0	n m	J-K	1. 00		Printed Name DIANA	.T	BRTCO	S Tiela	न	RODUCTIO	ΝΔΝ	ATVC	т	D.4. 8/9/05
	R	والمراس المراجع	T				<u> </u>	2112.01	ine				2712	<u> </u>	Date 8/8/05
E-mail A	Address		PRODUCTI	ONGMARI	BOB.	COM			<u>_</u>				1/		
													KZ	5	

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# **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

Southe	eastern 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 30	86' T. Miss	T. Cliff House	T. Leadville	
T. 7 Rivers 36	16' 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 51	10' T. Simpson	T. Gallup	T. Ignacio Otzte	
T. Glorieta	T. McKee	Base Greenhorn	T. Granite	
T. Paddock	T. Ellenburger	T. Dakota	Т	
T. Blinebry	T. Gr. Wash	T. Morrison	Τ.	
T.Tubb	T. Delaware Sand	T.Todilto	T	
T. Drinkard	T. Bone Springs 9262'	T. Entrada	Τ.	
T. Abo	<u>T. RUSTLER 1614'</u>	T. Wingate	Т.	
T. Wolfcamp	T. BRUNSON SAND 12717'	T. Chinle	Τ.	
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	toto	
				to	
<b>_ ,</b>			WATER SANDS		••••••
<b>• • • • •</b>	C	dan da subtati su di		•	

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

# LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness In Feet	Lithology	 From	То	Thickness In Feet	Lithology
				·			
	:						

District.I 1625 N. French E District.II	Dr., Hobb	s, NM 882	40 E		State of Nev Minerals & I	w Mexico Natural Resources				Form C-104 Revised June 10, 2003		
1301 W. Grand Avenue, Artesia, NM 88210				il Conservati	on Division	L		Submit to Appropriate District Office 5 Copies				
District IV 1220 S. St. Franci	is Dr., Sa	anta Fe, NM	1 87505	12	Santa Fe, N		•				AMENDED REPOR	хт
	<u> </u>				<b>LOWABLE</b>					RANSI	PORT	
Operator na MARBOB	ame an ENER	d Address GY COR	PORATION	0-#8 vm	E HARS BEEN	-		OGRID Ni	mber	140	49	
PO BOX	227			REGIGNAT	ED BELOW. IF	YOU DO H	HE POR	Reason for	Filing Co	de/ Effec	tive Date	
ARTESIA API Numbe	., 1111		1-0227 Pool Name '	WINE I	HIS OFFICE		UI CEPAR	DUB	111	ol Code		
30-025-3			roorname	CORBI	N: MORROW	. SOUTH (	GAS)		. 10	UI COUC	75080	
<sup>7</sup> Property Co		8	Property Na	ne		· · · · · ·			° We	ell Numb		1
<u>34465</u> II. <sup>10</sup> Sur				<u>SCR</u>	ATCH STAT	E COM						
		n Towns		Loi.Idn	Feet from the	North/South	Line Fe	et from the	East/V	Vest line	County ,	7
E	24		33E	<u> </u>	1980	NORTH		660	W	EST	EDDY LE	9
11 Bot	ttom H	lole Loc	ation	<del>,</del>							т <del></del>	-1
JL or lot no.	Section			Lot Idn	Feet from the	ļ,		et from the		Vest line	County	
<sup>12</sup> Lse Code	<sup>10</sup> Proc	ucing Meth Code		onnection A <sup>t</sup> S o s	15 C-129 Perr	nit Number	<sup>16</sup> C-12	29 Effective	Date	<sup>17</sup> C-1	29 Expiration Date	
<u>s</u> ]		F		<u>0705</u>	L		· · · · · ·					
III. Oil a <sup>18</sup> Transport	nd Ga		porters Transporter		10 -	POD	<sup>21</sup> O/G		22 00	D IT ST	R Location	л`
OGRID		······	and <u>A</u> ddre				0/6			and Descr		
209700			RICA PRO		5.50		0	TAN	IK BAT	TERY	2 **	1
	32122		STLAKE, N, TX 7		000		i de la com	E-2	4-118	STRICE	<sup>3</sup> 192021	
	1		NERGY FI		CS			SAM	/ A.Y		- 64	1
36785			50020				G	<b>1</b>	1011	SS	30 22	
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IV. Prod	uced \								199.5	<u>si - i</u>	LE OF THE A	
	uced V				and Description	n			995 H	<u> </u>	LE OF C	
<sup>23</sup> POD		24	SA		and Description	n			95.5	<u><u></u></u>		
<sup>3</sup> POD V. Well (	Compl	24 letion D	SA) ata	ME				29 Perfor	ations	<u> </u>	<sup>39</sup> DHC, MC	
<sup>13</sup> POD <u>V. Well (</u> <sup>25</sup> Spud Da 4/25/0	Comp te 5	letion D <sup>26</sup> Re	SA ata ady Date 19/05	<u>ME</u>	<sup>27</sup> TD 3710 '	<sup>28</sup> PBTD 13584	·	<sup>29</sup> Perfor 13170'-		<u>s</u> 1-1	<sup>30</sup> DHC, MC	
<sup>13</sup> POD <u>V. Well (</u> <sup>25</sup> Spud Da <u>4/25/0</u> <sup>31</sup> Ho	Compl te 5	24   <u>etion D</u>  26 Re  7/	SA ata ady Date 19/05 <sup>32</sup> Casin	ME1	<sup>27</sup> TD 3710 <sup>1</sup> ng Size	<sup>26</sup> PBTD 13584 <sup>33</sup> De	th Set		-13308	<sup>34</sup> Sacl	s Cement	
<sup>13</sup> POD V. Well ( <sup>25</sup> Spud Da <u>4/25/0</u> <sup>31</sup> Ho 17	Compl te 5 le Size 1/2	24 letion D: <sup>26</sup> Re 7/	SA ata ady Date <u>19/05</u> <sup>32</sup> Casin 1	ME 1 <u>g &amp; Tubir</u> 3 3/8"	<sup>27</sup> TD 3710 <sup>1</sup> ng Size	<sup>28</sup> PBTD <u>13584</u> <sup>33</sup> Deg 4	<u>th Set</u>		- <u>13308</u> 475	SX, C	ss Cement	
<sup>13</sup> POD V. Well ( <sup>25</sup> Spud Da <u>4/25/0</u> <sup>31</sup> Ho 17	Compl te 5	24 letion D: <sup>26</sup> Re 7/	SA ata ady Date <u>19/05</u> <sup>32</sup> Casin 1	ME1	<sup>27</sup> TD 3710 <sup>1</sup> ng Size	<sup>28</sup> PBTD <u>13584</u> <sup>33</sup> Deg 4	th Set		- <u>13308</u> 475	<sup>34</sup> Sacl SX, C SX, C	ss Cement	
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V. Well ( <sup>25</sup> Spud Da <u>4/25/0</u> <sup>31</sup> Ho 17 12 7	Compl te 5 1/2 1/4 7/8 1/8	24  etion D: 26 Re 7 / ""	SA ady Date 19/05 <sup>32</sup> Casin 1	ME <u> <u> <u> </u> <u> </u></u></u>	<sup>27</sup> TD 3710 ' ng Size	<sup>28</sup> PBTD 13584 <sup>33</sup> Der 4 49 49 40 137	<u>pth Set</u> 03 ' 048 ' 000 '	13170'-	-13308 475 700 350 1750	SX, C SX, C SX, C SX, C	ss Cement IRC IRC IRC	
23 POD V. Well ( 25 Spud Da 4/25/0 31 Ho 17 12 7 6	Compl te 5 1/2 1/4 7/8 1/8 1/8	24 letion D: <sup>26</sup> Re 7/ "" " " " " " " " " Data	SA ady Date 19/05 <sup>32</sup> Casin 1	ME 1 2 & Tubir 3 3/8" 8 5/8" 7" 4 1/2" 2 3/8"	<sup>27</sup> TD 3710 ' ng Size	<sup>28</sup> PBTD 13584 <sup>33</sup> Der 4 49 49 40 137	<u>,</u> <u>pth Set</u> <u>103</u> <u>1048</u> <u>1000</u> <u>100</u> <u>109</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u>	13170'-	-13308 475 700 350	SX, C SX, C SX, C SX, C	ss Cement IRC IRC IRC	
V. Well ( <sup>25</sup> Spud Da <u>4/25/0</u> <sup>31</sup> Ho 17 12 7 6 VI. Well	Compl te 5 1/2 1/4 7/8 1/8 1/8 Test I Oil	24 26 Re 7 /       	SA ata ady Date 19/05 <sup>32</sup> Casin 1	ME <u>g &amp; Tubir</u> 3 3/8'' 8 5/8'' 7'' 4 1/2'' 2 3/8'' 37	<sup>27</sup> TD 3710 ' ng Size	<sup>38</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 137 131 <sup>38</sup> Test 1	<u>,</u> <u>pth Set</u> <u>103</u> <u>1048</u> <u>1000</u> <u>100</u> <u>109</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u>	13170'-	-13308 475 700 350 1750 Fbg. Press	SX, C SX, C SX, C SX, C	ss Cement IRC IRC IRC IRC IRC	
<sup>3</sup> POD <u>V. Well (</u> <sup>25</sup> Spud Da <u>4/25/0</u> <sup>31</sup> Ho 17 12 7 6 <u>VI, Well</u> <sup>35</sup> Date New	Compl te 5 1/2 1/4 7/8 1/8 1/8 1/8 1/8	24 26 Re 7 /       	SA ady Date 19/05 <sup>32</sup> Casin 1	ME 1 2 & Tubir 3 3/8" 3 3/8" 7" 4 1/2" 2 3/8" 37 	<sup>27</sup> TD 3710 <sup>r</sup> 1 <u>g Size</u> Test Date	<sup>38</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 137 131 <sup>38</sup> Test 1	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 109 ' 109 ' Length HRS	13170'-	-13308 475 700 350 1750	SX, C SX, C SX, C SX, C	ss Cement IRC IRC IRC IRC IRC	
V. Well ( <sup>25</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI. Well <sup>35</sup> Date New 7/30/0	Compl te 5 1/2 1/4 7/8 1/8 1/8 1/8 1/8	24 26 Re 7 /       	SA ady Date 19/05 <sup>32</sup> Casin 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ME 1 2 & Tubir 3 3/8" 3 3/8" 7" 4 1/2" 2 3/8" 37 	<sup>27</sup> TD 3710 <sup>7</sup> 1 <u>g Size</u> Test Date 31/05	<sup>28</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 40 137 131 <sup>38</sup> Test 1 24 4 <sup>4</sup> G	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 109 ' 109 ' Length HRS	13170'-	-13308 475 700 350 1750 Fbg. Press	SX, C SX, C SX, C SX, C	ks Cement IRC IRC IRC IRC <sup>49</sup> Csg. Pressure	
V.         Well ( <sup>25</sup> Spud Da         4/25/0 <sup>31</sup> Spud Da         4/25/0 <sup>31</sup> Ho         17           17         12           7         6           VI. Well         3 <sup>35</sup> Date New           7/30/0         4 <sup>1</sup> Choke Si	Complete 5 1/2 1/2 1/4 7/8 7/8 7/8 7/8 7/8 0 1/8 7 5 5 5 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	24 26 Re 7 /       	SA ata ady Date 19/05 <sup>32</sup> Casin 1 2 2 2 2 2 2 2 3 2 2 3 2 3 2 3 2 2 3 2 2 3 2 2 3 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 2 3 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	ME <u>g &amp; Tubir</u> 3 3/8'' 8 5/8'' 7'' 4 1/2'' 2 3/8'' 37 - - - - - - - - - - - - -	<sup>27</sup> TD 3710 ' 12 Size Test Date 31/05 <sup>3</sup> Water 3 Division have	<sup>28</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 40 137 131 <sup>38</sup> Test 1 24 4 <sup>4</sup> G	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 1	13170'-	-13308 475 700 350 1750 Fbg. Press	SX, C SX, C SX, C SX, C	49 Csg. Pressure 46 Test Method F	
<sup>13</sup> POD V. Well ( <sup>25</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI, Well <sup>35</sup> Date New 7/30/0 <sup>41</sup> Choke Si <sup>47</sup> I hereby cert been consulied	Comp te 5 1/2 1/2 1/4 7/8 1/8 Test I Oil 5 ize ify that	letion D: <sup>26</sup> Re 7/ "" " Data <sup>36</sup> Gas D 7/ the rules of d finat bee	SA ata ady Date 19/05 <sup>31</sup> Casin 1 1 elivery Date 30/05 <sup>12</sup> Oil 59 of the Oil Cons information gi	ME 1 2 & Tubir 3 3/8" 3 3/8" 7" 4 1/2" 2 3/8" 2 3/8" 37 4 7/ 4 7/ 4 1/2" 2 3/8" 37 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 1/2"	<sup>27</sup> TD 3710 ' 12 Size Test Date 31/05 <sup>3</sup> Water 3 Division have	<sup>28</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 40 137 131 <sup>38</sup> Test 1 24 4 <sup>4</sup> G	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 1	13170'-	-13308 475 700 350 1750 Fbg. Press	SX, C SX, C SX, C SX, C	49 Csg. Pressure 46 Test Method F	
<sup>13</sup> POD V. Well ( <sup>25</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI, Well <sup>35</sup> Date New 7/30/0 <sup>41</sup> Choke Si <sup>47</sup> I hereby cert been complied complete to the	Comp te 5 1/2 1/2 1/4 7/8 1/8 Test I Oil 5 ize ify that	letion D: <sup>26</sup> Re 7/ "" " Data <sup>36</sup> Gas D 7/ the rules of d finat bee	SA ata ady Date 19/05 <sup>31</sup> Casin 1 1 elivery Date 30/05 <sup>12</sup> Oil 59 of the Oil Cons information gi	ME 1 2 & Tubir 3 3/8" 3 3/8" 7" 4 1/2" 2 3/8" 2 3/8" 37 4 7/ 4 7/ 4 1/2" 2 3/8" 37 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 1/2"	<sup>27</sup> TD 3710 <sup>7</sup> 1g Size Test Date 31/05 <sup>3</sup> Water 3 Division have is true and	<sup>28</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 40 137 131 <sup>38</sup> Test 1 24 4 <sup>4</sup> G	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 1	13170'-	-13308 475 700 350 1750 Fbg. Press	SX, C SX, C SX, C SX, C	49 Csg. Pressure 46 Test Method F	
V.         Well ( <sup>25</sup> Spud Da	Complete te 5 1/2 1/2 1/4 7/8 1/4 Test 1 Oil 5 tize ify that that an best of	letion D: <sup>26</sup> Re 7/ "" " Data <sup>36</sup> Gas D 7/ the rules of d finat bee	SA ata ady Date 19/05 <sup>31</sup> Casin 1 1 elivery Date 30/05 <sup>12</sup> Oil 59 of the Oil Cons information gi	ME 1 2 & Tubir 3 3/8" 3 3/8" 7" 4 1/2" 2 3/8" 2 3/8" 37 4 7/ 4 7/ 4 1/2" 2 3/8" 37 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 1/2"	<sup>27</sup> TD <u>3710 '</u> ng Size Test Date <u>31/05</u> <sup>3</sup> Water <u>3</u> Division have is true and	<sup>28</sup> PBTD 13584 	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 1	13170'-	-13308 475 700 350 1750 Fbg. Press *5 AOF	SX, C SX, C SX, C SX, C	ks Cement IRC IRC IRC <sup>49</sup> Csg. Pressure <sup>46</sup> Test Method <u>F</u> N	
<ul> <li><sup>23</sup> POD</li> <li>V. Well ( <sup>15</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI. Well <sup>35</sup> Date New 7/30/0 <sup>41</sup> Choke Si been converse been converse converse converse been converse been converse converse converse been converse</li></ul>	Complete te 5 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	letion D: <sup>26</sup> Re 7/ "" " Data <sup>36</sup> Gas D 7/ the rules of d finat bee	SA ata ady Date 19/05 <sup>32</sup> Casin 1 1 205 205 2005 2005 2005 2005 2005 20	ME 1 2 & Tubir 3 3/8" 3 3/8" 7" 4 1/2" 2 3/8" 2 3/8" 37 4 7/ 4 7/ 4 1/2" 2 3/8" 37 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 1/2"	<sup>27</sup> TD <u>3710 '</u> ng Size Test Date <u>31/05</u> <sup>3</sup> Water <u>3</u> Division have is true and	<sup>38</sup> PBTD 13584 <sup>33</sup> Der 4 4 49 40 137 131 <sup>38</sup> Test 1 24 46 13	, 1 pth Set 103 ' 148 ' 1000 ' 109 ' 1	13170'-	-13308 475 700 350 1750 Fbg. Press *5 AOF	SX, C SX, C SX, C SX, C SX, C SX, C University UNISIC	As Cement IRC IRC IRC ** Csg. Pressure ** Test Method F N AL SIGNED RY	
<sup>23</sup> POD V. Well ( <sup>25</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI, Well <sup>35</sup> Date New 7/30/0	Complete te 5 le Size 1/2 1/4 7/8 1/8 Test I Oil 5 ize best of best of D	24 26 Re 7/ 26 Re 7/ 11 11 11 12 26 Re 7/ 11 11 12 12 12 12 12 12 12 12	SA ata ady Date 19/05 <sup>32</sup> Casin 1 1 201 59 59 59 59 59 59 59 59 59 59 59 59 59	ME 1 2 & Tubir 3 3/8" 8 5/8" 7" 4 1/2" 2 3/8" 2 3/8" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 4 1/2" 2 3/8" 4 1/2" 4 1/2"	<sup>27</sup> TD 3710 <sup>7</sup> 1g Size Test Date 31/05 <sup>3</sup> Water 3 Division have is true and	<sup>28</sup> PBTD 13584 	r pth Set 03' 48' 000' 000' Length HRS Gas 199 O	13170'-	-13308 475 700 350 1750 Fbg. Press * <sup>5</sup> AOF	SX, C SX, C	AL SIGNED BY	
<ul> <li><sup>23</sup> POD</li> <li>V. Well ( <sup>25</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI, Well <sup>35</sup> Date New 7/30/0 <sup>41</sup> Choke Si <sup>47</sup> I hereby cert been contriled complete to the Signature: Printed name: Title:</li> </ul>	Comp te 5 le Size 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	24 26 Re 7/ 26 Re 7/ 11 11 11 12 26 Re 7/ 11 11 12 12 12 12 12 12 12 12	SA ata ady Date 19/05 <sup>32</sup> Casin 1 1 205 205 2005 2005 2005 2005 2005 20	ME 1 2 & Tubir 3 3/8" 8 5/8" 7" 4 1/2" 2 3/8" 2 3/8" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 4 1/2" 2 3/8" 4 1/2" 4 1/2"	<sup>27</sup> TD 3710 <sup>7</sup> 1g Size Test Date 31/05 <sup>3</sup> Water 3 Division have is true and	<sup>38</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 137 131 <sup>38</sup> Test 1 24 <sup>44</sup> C 13 Approved by: Title:	r pth Set 03' 48' 000' 000' Length HRS Gas 199 O	13170'-	-13308 475 700 350 1750 Fbg. Press * <sup>5</sup> AOF	SX, C SX, C	As Cement IRC IRC IRC ** Csg. Pressure ** Test Method F N AL SIGNED RY	
<ul> <li><sup>33</sup> POD</li> <li>V. Well ( <sup>25</sup> Spud Da 4/25/0 <sup>31</sup> Ho 17 12 7 6 VI. Well <sup>35</sup> Date New 7/30/0 <sup>41</sup> Choke Si <sup>47</sup> I hereby cert been complete to the Signature: Printed name: Title:</li> </ul>	Complete te 5 1/22 1/2 1/2 1/2 1/2 1/2 1/2 1/	124 126 Re 7/ 11 11 11 11 11 11 12 12 12 12	SA ata ady Date 19/05 <sup>32</sup> Casin 1 1 201 59 59 59 59 59 59 59 59 59 59 59 59 59	ME <u>g &amp; Tubir</u> 3 3/8" 8 5/8" 7" 4 1/2" 2 3/8" 2 3/8" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 4	<sup>27</sup> TD 3710 <sup>r</sup> ng Size Test Date 31/05 <sup>3</sup> Water 3 Division have is true and	<sup>38</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 137 131 <sup>38</sup> Test 1 24 <sup>44</sup> C 13 Approved by: Title:	r pth Set 03' 48' 000' 000' Length HRS Gas 199 O	13170'-	-13308 475 700 350 1750 Fbg. Press * <sup>5</sup> AOF	SX, C SX, C	AL SIGNED BY	
<sup>23</sup> POD          V. Well ( <sup>25</sup> Spud Da         4/25/0 <sup>31</sup> Ho         17         12         7         6         VI. Well <sup>35</sup> Date New         7/30/0 <sup>41</sup> Choke Si <sup>47</sup> I herbey cert         been contralied         complete to the         Signature:         Printed name:	Complete te 5 1/2' 1/4 7/8' 1/8' Test I Oil 5 ize ify that set of the best of Difference Pl S: Pl	124 126 Re 7/ 11 11 11 11 11 11 12 12 12 12	SA ata ady Date 19/05 <sup>32</sup> Casin 1 1 2 2 2 2 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	ME <u>g &amp; Tubir</u> 3 3/8" 8 5/8" 7" 4 1/2" 2 3/8" 2 3/8" 2 3/8" 4 1/2" 2 3/8" 4 1/2" 4	<sup>27</sup> TD 3710 ' 12 Size Test Date 31/05 <sup>3</sup> Water 3 Vivision have is true and	<sup>38</sup> PBTD 13584 <sup>33</sup> Der 4 49 40 137 131 <sup>38</sup> Test 1 24 <sup>44</sup> C 13 Approved by: Title:	r pth Set 03' 48' 000' 000' Length HRS Gas 199 O	13170'-	-13308 475 700 350 1750 Fbg. Press * <sup>5</sup> AOF	SX, C SX, C	AL SIGNED BY	

RECEIVEL JUL 1 4 2005 Ogy-Mateom

30-075 3,6996

### \*\*\*\*\* CHART SCANNER WELL TEST DATA \*\*\*\*\*

MARBOB ENERGY RICK ALVARADO

SCRATCH STATE COM

COMPANY: CLIENT: GAUGE NUMBER: WELL NAME: WELL NUMBER: TEST NUMBER: LOCATION: TEST OPERATOR: COMMENTS:

1

576

#1 1 J GUAJARDO/ KELTIC SERVICES TOP OF CEMENT AT 3000 FT DATE OF TEST 6-24-2005

### DATE: 06/24/05

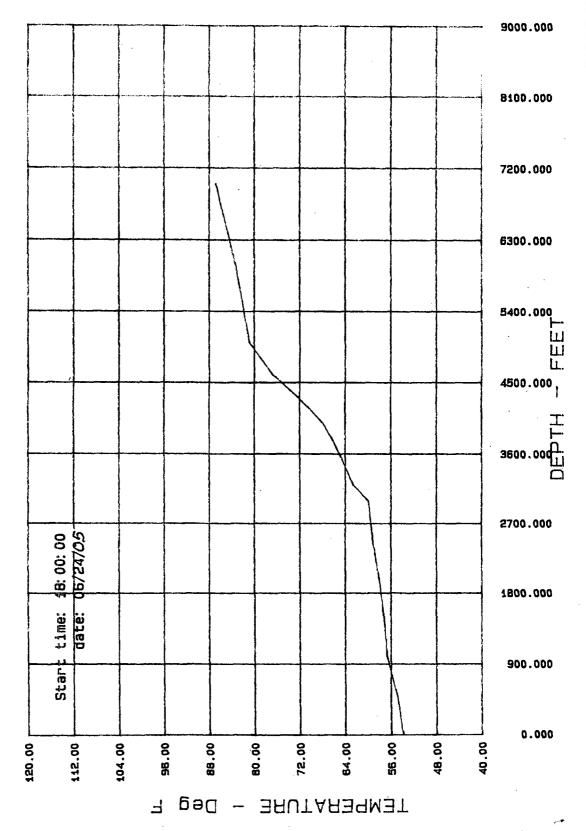
GAUGE S/N: 576

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	57.98	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 CLIENT: RICK ALVARADO GAUGE NUMBER: 576 WELL NAME: SCRATCH STATE COM WELL NUMBER: #1

TEST NUMBER: LOCATION: TEST OPERATOR: COMMENTS:

R: J GUAJARDO/ KELTIC SERVICES TOP OF CEMENT AT 3000 FT DATE OF TEST 6-24-2005



1625 N French Dr., Hobbs, NM 88240 District II		tate of New Mexico inerals and Natural Resources		Form C- June 1, 2
1301 W Grand Avenue, Artesia, NM 88210 District III	Oil (	Conservation Division	For drilling and	production facilities, submi
1000 Rio Brazos Road, Aztec, NM 87410 District IV	) South St. Francis Dr.	for downstream	CD District Office. facilities, submit to Santa F	
1220 S St Francis Dr , Santa Fe, NM 87505		anta Fe, NM 87505	office	·····
Pit or F		de Tank Registration or	Closure	
Is pit or be	low-grade tan	k covered by a "general plan"? Ye or below-grade tank  Closure of a pit or	s 🗌 No 🗍	
Operator MARbob Energy Corp Address P.O. BOX 227 Attes	Telephon	e <u>505-748-33.03</u> e-mail add 88211-1022.7	ress withlife	marbob com
Facility or well name <u>SCRATCH STATE</u> Com	1 #1 API #	30-025-36996_U/LorQtr/		
Surface Owner Federal 🗌 State 🔀 Private 🛄 Indian 🔲		Beng.tea	- <u></u>	
Pit		Below-grade tank		
Type_ Drilling 🖾 Production 🔲 Disposal 🗔		Volumebbl Type of fluid		
Workover 🗋 Emergency 🗋	•	Construction material		
Lined 🕅 Unlined 🔲		Double-walled, with leak detection? Yes		iy not
Liner type Synthetic Thickness <u>12</u> mil Clay			- ·	•
Pit Volumebbl				
······································		Less than 50 lect	(20 point	s)
Depth to ground water (vertical distance from bottom of p	out to seasonal	50 feet or more, but less than 100 feet	(10 point	5) (2
high water elevation of ground water )		100 feet or more	( 0 point	· //)
		Yes	(20 point	c)
Wellhead protection area (Less than 200 feet from a priv		ND		
water source, or less than 1000 feet from all other water so	ources)		( 0 point	
Distance to surface water (horizontal distance to all weth	ands plavas	Less than 200 feet	(20 point	s)
irrigation canals, ditches, and perennial and ephemeral wa		200 feet or more, but less than 1000 feet	(10 point	5)
angaton canais, utenes, and perenniar and epicineral wa	nereourses )	1000 feet or more	( 0 point	s)
		Ranking Score (Total Points)		20
	υ.			
this is a pit closure: (1) Attach a diagram of the facility		(3) Attach :	a general description o	f remedial action taken includin
our are burying in place) onsite 🔀 offsite 🗌 If offsite, n				
				and attach sample results
our are burying in place) onsite 🔀 offsite 🗌 If offsite, n	intered No	Yes 🗌 If yes, show depth below ground su	rfacefi	and attach sample results
our are burying in place) onsite 🔀 offsite 🗖 If offsite, na mediation start date and end date (4) Groundwater encou	intered No	Yes 🗌 If yes, show depth below ground su	rfacefi	and attach sample results
but are burying in place) onsite $\square$ offsite $\square$ if offsite, in mediation start date and end date (4) Groundwater encour ) Attach soil sample results and a diagram of sample locat Additional Comments $A$ per Chris	intered No D	Yes 🗌 If yes, show depth below ground su	rfacefi	and attach sample results
our are burying in place) onsite 🖾 offsite 🗌 If offsite, normediation start date and end date (4) Groundwater encourt) Attach soil sample results and a diagram of sample locat	intered No D	Ves I If yes, show depth below ground su	rfacefi	and attach sample results
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but are burying in place) onsite $\square$ offsite $\square$ if offsite, in mediation start date and end date (4) Groundwater encour ) Attach soil sample results and a diagram of sample locat Additional Comments $A$ per Chris	intered No $\square$ N tions and excavat $W_1 W_2 v_1$ $L_1 n c c$ 9 f 28 / c plete to the best	res [] If yes, show depth below ground su tions ns. P.+ SAmpling, has been placed of my knowledge and belief I further cer	rfaceft <u>delineatun</u> <u>in botton</u> tify that the above-de	and attach sample results
bur are burying in place) onsite $\square$ offsite $\square$ if offsite, in mediation start date and end date (4) Groundwater encour ) Attach soil sample results and a diagram of sample locat Additional Comments $A = per ChristianFremoved Pit material.For backfilling.$	intered No $\square$ N tions and excavat $W_1 W_2 v_1$ $L_1 n c c$ 9 f 28 / c plete to the best	ions ns. Pit SAmpling, has bree placed of my knowledge and belief I further cer s a general permit a or an (attached	tify that the above-de	and attach sample results
but are burying in place) onsite $\square$ offsite $\square$ if offsite, in mediation start date and end date (4) Groundwater encourd ) Attach soil sample results and a diagram of sample locat Additional Comments $A = per Christianremoved Pit material.For backfilling.hereby certify that the information above is true and commas been/will be constructed or closed according to NMDate 9-21-07$	Intered No No Inons and excavat Lince 9/28/6 plete to the best IOCD guideline	ions ns. Pit SAmpling, has bree placed of my knowledge and belief I further cer s a general permit a or an (attached	tify that the above-de	and attach sample results
bur are burying in place) onsite $\square$ offsite $\square$ if offsite, in mediation start date and end date (4) Groundwater encour ) Attach soil sample results and a diagram of sample locat Additional Comments As per Christ removed Pit material. for backfilling. hereby certify that the information above is true and command base g-21-07 Printed Name/Title Pand French / B	Intered No IN Itons and excavat INIT INITIAN	ions ns. Pit SAmpling, has been placed of my knowledge and belief I further cer s a general permit , or an (attached Signature	rfacefr <u>delineatun</u> <u>in botton</u> tify that the above-de d) alternative OCD-ap <u>here h</u>	and attach sample results
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	f New Mexico s and Natural Resources	Form C-141 Revised October 10, 2003
District III 1000 Rio Brazos Road, Aztec. NM 87410 District IV District IV		Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
Witelesse Notticate	and Corrective Actio	n
	OPERATOR	🗌 Initial Report 🔲 Final Report
Name of Company MARLob ENERGY Corp. Address RO Box 227 Artesia nm 88211 Facility Name Scrotch State	Contact <u>114</u> Bimson Telephone No. 505-397 Facility Type 0:1 well 1 i	- 6388
Surface Owner State OF AM Mineral Owner		Lease No.
	DN OF RELEASE h/South Line   Feet from the   Eas	t/West_Line   County
24 185 33E 1980 1	North 660	WEST LEA.
Latitude	Longitude	
	E OF RELEASE	
Type of Release       P.+       Liner         Source of Release       P.+         Was Immediate Notice Given?         Yes       No	Volume of Release         Know           Date and Hour of Occurrence         7           If YES, To Whom?         1	
By Whom? <u>Rand French</u> & <u>Clift</u> Biunson Was a Watercourse Reached? Yes No	Date and Hour $\frac{8}{20}$ $\frac{10}{20}$ $\frac{10}{20}$ If YES, Volume Impacting the W	-2:07 pin atercourse.
If a Watercourse was Impacted, Describe Fully.*	UKnow	М
Do not know the extent of In	·	
Describe Cause of Problem and Remedial Action Taken.* Compremised Pit - WAS IN the process of Chlorides, Forly feet Below ground surface	ta dig-n-havt, alm wet sorts and user	g with defineating to uns encountered
Describe Area Affected and Cleanup Action Taken.* Unknew At this time. Must of the t	?t material has be	een removed. The back
Side of Pit kins fee of chloudes	c l'iz' feet.	
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local Tws and/or regulations.	notifications and perform corrective a he NMOCD marked as "Final Report ate contamination that pose a threat to	actions for releases which may endanger " does not relieve the operator of liability ground water, surface water, human health
Signature: March March	<u>OIL CONSER</u>	<u>VATION DIVISION</u>
Printed Name: Rand FRENCH	Approved by District Supervisor:	
Title: Wildlife Biologist	Approval Date:	Expiration Date:
E-mail Address: Wildlie C. MARLobe Cam	Conditions of Approval:	Attached
Date: 8/24/07 Phone: 748-3303 * Attach Additional Sheets If Necessary		

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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) C Non-Domestic O Domestic
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	х	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

http://iwaters.ose.state.nm.us: 7001/iWATERS/WellAndSurfaceDispatcher

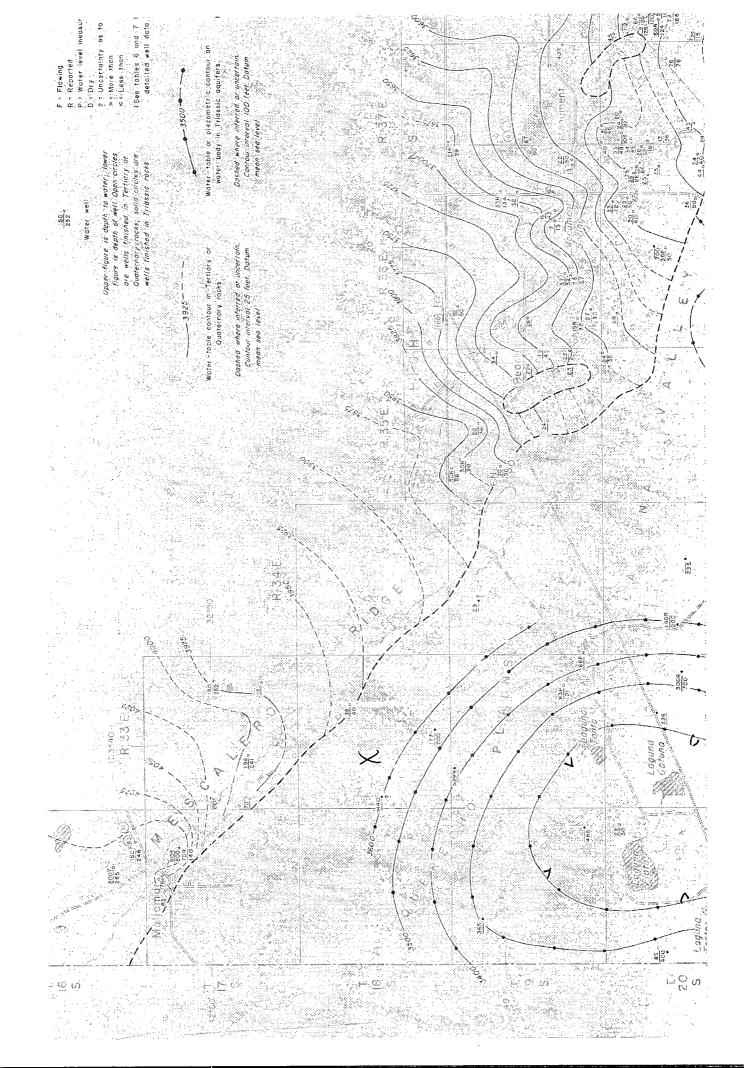
1

New Mexico Office of the State Engineer POD Reports and Downloads
Township: 18:3 Range: 34E Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) ONOn-Domestic ODomestic 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	х	Y	Wells	Min	Max	Avg
CP	18S	33Ė 13				1	60	60	60
СР	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





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