

1R - 377

REPORTS

DATE:

2003

NMOCD

RECEIVED

JAN 06 ²⁰⁰⁴ ~~2005~~ *WJ*

Oil Conservation Division
Environmental Bureau

MARKS & GARNER

R.W. DUNCAN

December 29, 2003

NMOCD Environmental
ATTN: William Olson
Box 6429
1220 S. Saint Francis Drive
Santa Fe, NM 87504

RE: Marks & Garner Production
Duncan Lease

Mr. Olson:

Find within analytical, photos and maps from the sampling exercise on the Duncan lease. Marks and Garner are out of town until after the first of the year, but I wanted you to have this data so we can discuss a remediation plan.

If you have any questions, please call.

Sincerely,

A handwritten signature in cursive script that reads "Eddie W. Seay". The signature is written in black ink and has a long, sweeping tail that extends to the right.

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

MARKS AND GARNER PRODUCTION
DUNCAN LEASE
Sect. 6, Tws. 13 S., Rng. 36 E.

On December 4, 2003, all parties met on the above listed site to sample both the battery site and well location. A backhoe was used to dig trenches and sample as needed. The area at the battery had approximately two feet of rock and soil before hitting a hard caliche rock layer, at most parts, samples were taken at top and bottom of the trenches.

TRENCHES AT BATTERY SITE;

Sample 1-1	23 in.
Sample 2-1	17 in.
Sample 3-1	6 in.
Sample 3-2	26 in.
Sample 4-1	6 in.
Sample 4-2	24 in.
Sample 7-1	6 in.
Sample 7-2	26 in.

TRENCHES AT BATTERY SITE;

Sample 5A	12 in.
Sample 5B	38 in.
Sample 6A	12 in.
Sample 6B	37 in.

The samples at the well site appeared to be within the old drilling pit since clay was found within a foot of surface.

Samples were taken from the sites and sampled for TPH and Chloride as required, and bag samples were taken for PID headspace test and all samples were well below 50 ppm.

As previously agreed, Marks and Garner will excavate and haul the contamination from around the old well head and cellar. After you have reviewed the analytical, you and I can discuss remediation options, if any.



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
 EDDIE SEAY CONSULTING
 ATTN: EDDIE SEAY
 601 W. ILLINOIS
 HOBBS, NM 88242
 FAX TO:

Receiving Date: 12/05/03
 Reporting Date: 12/08/03
 Project Owner: MARKS & GARNER
 Project Name: MARKS & GARNER/DUNCAN LEASE
 Project Location: TATUM, NM

Sampling Date: 12/04/03
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		12/06/03	12/06/03	12/05/03
H8226-1	MG 1-1	<10.0	<10.0	1440
H8226-2	MG 2-1	<10.0	300	2750
H8226-3	MG 3-1	<10.0	218	7760
H8226-4	MG 3-2	<10.0	<10.0	5600
H8226-5	MG 4-1	<10.0	2580	2020
H8226-6	MG 4-2	<10.0	355	1150
H8226-7	MGW 5-1	<10.0	116	3570
H8226-8	MGW 5-2	<10.0	10.2	1740
H8226-9	MGW 6-1	<10.0	337	784
H8226-10	MGW 6-2	<10.0	233	880
H8226-11	MGW 7-1	<10.0	<10.0	1010
H8226-12	MGW 7-2	<10.0	<10.0	1070
Quality Control		795	833	1010
True Value QC		800	800	1000
% Recovery		99.4	104	101
Relative Percent Difference		10.7	9.5	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI/B

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

Chemist

12/8/03
 Date

H8226.XLS

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.



CARDINAL LABORATORIES, INC.

2111 Beechwood, Athens, TX 79603 (915) 673-7001 Fax (915) 673-7020 (605) 393-2328 Fax (605) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Eddie Seay Consulting</u>		P.O. #:		BILL TO		ANALYSIS REQUEST			
Project Manager: <u>Eddie Seay</u>		Company:							
Address: <u>1801 W. Illinois</u>		Attn: <u>[Signature]</u>							
City: <u>Hobbs</u>		State: <u>NM</u> zip: <u>88242</u>							
Phone #: <u>2-2234</u>		Fax #:							
Project #: <u>Duncan</u>		Project Owner: <u>Marks & Garner</u>		City: <u>[Signature]</u>					
Project Name: <u>Marks & Garner / Duncan Case</u>		State: <u>NM</u>		Phone #:					
Project Location: <u>Tatum N.M.</u>		Phone #:		Fax #:					
Sampler Name: <u>Eddie Seay</u>		FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)MP	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
H8826-1	MG 1-1	<input checked="" type="checkbox"/>	1	GROUNDWATER			12/4	6:30	TPH (8015)
-2	MG 2-1	<input checked="" type="checkbox"/>	1	WASTEWATER			11	2:50	Chlorides
-3	MG 3-1	<input checked="" type="checkbox"/>	1	SOIL			11	2:20	
-4	MG 3-2	<input checked="" type="checkbox"/>	1	OIL			11	2:30	
-5	MG 4-1	<input checked="" type="checkbox"/>	1	SLUDGE			11	2:45	
-6	MG 4-2	<input checked="" type="checkbox"/>	1	OTHER:			11	2:50	
-7	MG 5-1	<input checked="" type="checkbox"/>	1	ACID/BASE:			11	3:20	
-8	MG 5-2	<input checked="" type="checkbox"/>	1	ICE / COOL			11	3:25	
-9	MG 6-1	<input checked="" type="checkbox"/>	1	OTHER:			11	3:50	
-10	MG 6-2	<input checked="" type="checkbox"/>	1				11	3:55	

PLEASE NOTE: Laboratory and Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 90 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, 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 theories or otherwise.

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

Sampler Relinquished: Eddie Seay Date: 12/5 Time: 11:30 Received By: (Lab Staff) [Signature] Date: 12/5/03 Time: 11:30

Delivered By: (Circle One) UPS Bus Other

Sample Condition: Intact Damaged (Initials)

Checked By: [Signature]

Phone Result: Yes No
 Fax Result: Yes No

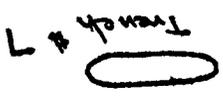
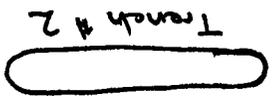
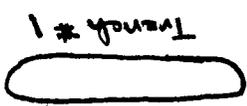
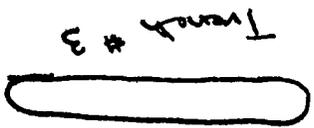
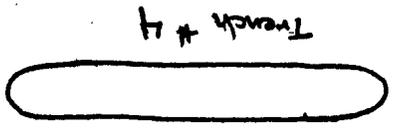
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

<p>Yates Pet., etal 3-1-2006 VA-2425 50.00</p>	<p>3972 Ac 11 H.E. Yates 4-4-84 Mabel Gainer M. Cunningham (S)</p>	<p>Garland Moore, etal Christensen Pet. etal 10-12-2001, W/2</p>	<p>Jim A Eakin Paul Richards S. Keele</p>
<p>36 Yates Pet., etal 3-1-2006 VA-2426 62.50 State M. Cunningham (S)</p>	<p>3975 Ac 12 H.E. Yates 4-4-84 31 Great West'n. Orig. Great West'n Murphy Mins Libbie 1-4-85 James 4-4-84 TD 10500 Joyce Tallant E, Linda Peterson Thos. J. James Life Est.</p>	<p>10-6-2001 10-2-2001 J.D. Guye, Est. 10 W.M. White (S) Surf. Div. K.E. Jennings, V/3 M.I. Huber Corp. E.D. Bilbrey, M.I. Wadley, Fleetwood J.D. Guye, Est.</p>	<p>32 Huber Corp 12-13-86 CR Hoop Whitley Huber Corp 5-24-87 7.58/345</p>
<p>40.21 Ac 4 40.15 Ac 3 40.09 Ac 2 40.09 Ac 1 Yates Pet., etal 9-11-2005 Ensign Oper., 1/2 Arrington O&G 1-3-2004 12-4-2003 11-24-2003 10-24-2003 Yates Pet., etal 9-11-2005 Ensign Oper., 1/2 Arrington O&G 10-10-2003 Lena Hammond, M.I. Trimble Hot Spgs., Inc. Betty Duncan, etal (S)</p>	<p>39.80 Ac 4 40.06 Ac 3 40.10 Ac 2 40.14 Ac 1 Union, etal Duncan TD 10532 O/A 12-14-59 1995 Ac 5 Union, etal Duncan 40.01 Ac 5 6 Ensign Oper., 1/2 Arrington O&G 10-10-2003 40.08 Ac 7 Union Duncan W.C. Disc Betty Duncan, etal (S)</p>	<p>40.16 Ac 4 40.14 Ac 3 40.14 Ac 2 40.12 Ac 1 Union Turner TD 14146 P/B 10539 Saba Ener (Christensen Pet., etal) Union Bradley TD 10.451 "Fern" L.A. (P/B) Greenfield & Rex Headstream</p>	<p>1-F (Superior) 1 Yates Pet., etal 5-1-2001 V-4862 15.61 5 State</p>
<p>Yates Pet., etal 20-2005 Ray Short, etal, M.I. Kinsolving E, Kinsolving 12</p>	<p>40.14 Ac Saba Ener. (Christensen Pet. etal) 40.17 Ac 7 (Mayne E, Metz) Union Anderson St. ut. TD 10570 Wm. H. Anderson, M.I. R.W. Duncan, etal (S) Penn. Disc. (WO)</p>	<p>Christen- sen Pet., etal P201 (P/B) Saba En. Fina O&G, 1/2 M.I. Huber Morris TD 10,500 U. Penn. Disc. R.C. Young, 1/4 M.I. Maud A. Dougherty Byron Fort (S)</p>	<p>(Greko AM) 8 Yates Pet., etal 10-23-2007 5-6-2003 4-14-2003 10-18-2007 Wm. G. Ross, etal</p>
<p>Yates Drlg. etal 3-1-2012 108046 225.00 U.S., MI Kinsolving E, Kinsolving</p>	<p>40.21 Ac Yates Pet., etal 10-1-2007 V-6713 249.65 40.20 Ac 7 5.1 (wo) Saba Engr. Saba-St. (Dev. Disc.) State Betty Duncan, etal (S)</p>	<p>Rex Killebrew, etal, M.I. Ivalee Thompson</p>	<p>Wm. G. Ross, etal</p>

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Road



Marks + Garner
Duncan Tank Battery

Marks + Garner
Duncan Lease
Section 6

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