## **AP - 018**

## STAGE 1 REPORT

11/29/2006

2006 DEC 1 PM 1 33

November 29, 2006

NMOCD Environmental ATTN: Wayne Price 1220 S. Saint Francis Drive Santa Fe, NM 87504

RE: Smith & Marrs

SLJU

Osborn Ranch

Mr. Price:

Attached are the analytical and data for the monitor wells drilled on the Osborn Ranch in Jal, NM. This is the third sampling with no change in analytical. At your earliest convenience, Smith & Marrs would like to discuss plugging of some or all of the monitor wells. Find attached analytical and data sheet for your review.

If you have any questions, please call.

Sincerely,

Eddie W. Seay, Agent Eddie Seay Consulting

601 W. Illinois

Hobbs, NM 88242

(505)392-2236

seay04@leaco.net

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	ARC							FIELD	FIELD MEASUREMENT and	REMENT		OBSERVATION LOG	N LOG	·
ENVE	ENVIRONMENTAL	ENTA	•	PROJECT NAME: Smith & Marrs	AME: Smith	& Marrs		PROJECT LOCATION:	OCATION:	South Langi	anglie Jal Unit	nit		Date Sampled: November 16, 2006
PROJECT MANAGER: Eddie Seay	:R: Eddie Sea	Ų				FIELD TECHNICIAN:	1	Rozanne Jo	Rozanne Johnson - Arc Environmental	: Environme	ntai			Notes: Water was disposed of at an approved salt-water disposal.
WELL # /SAMPLE LOCATION	TOTAL WELL DEPTH TO DEPTH (feet) WATER (feet)	DEPTH TO WATER (feet)	HEIGHT WATER COLUMN /	WELL FACTOR 2"=.16 4"=.65 5"=1.02	CALC. WELL VOLUME (gallons)	NUMBER OF WELL VOLUMES PURGED	TOTAL PURGED (gallons)	Temp (°C)	Нd	Cond. (ms/cm)	TDS (PPM)	Time	SAMPLE C	SAMPLE CHARACTERISTICS (odor, color, sheen)
Monitor Well #2	64.72	50.12	14.6	0.16	2.3	4.3	10	19.8	7.51	1.12	789	9:30		Pumped Some Sand but Cleared, No Odor was Present.
Monitor Well #3	70.10	62.55	7.55	0.16	1.2	8.3	10	20.4	7.36	2.07	1498	10:15	1	Pumped Some Sand but Cleared, No Odor was Present
Monitor Well #4	65.42	56.71	8.71	0.16	1.4	7.2	10	20.5	7.45	2.08	1511	12:35		Pumped Some Sand but Cleared, No Odor was Present.
Monitor Well #5	68.00	56.05	11.95	0.16	1.9	5.2	10	21.3	7.58	1.14	797	11:55	1	Pumped Some Sand but Cleared, No Odor was Present.
Monitor Well #6	67.90	53.99	13.91	0.16	2.2	4.5	10	21.2	7.27	1.03	723	13:30	l l	Pumped Some Sand but Cleared, No Odor was Present.
Monitor Well #7	66.80	57.97	8.83	0.16	1.4	7.1	10	20.2	7.30	2.15	1561	11:05	1	Pumped Some Sand but Cleared, No Odor was Present.

	ARC							FIELD	FIELD MEASUREMENT and	REMENT		OBSERVATION LOG	N LOG	
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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SMITH & MARRS ATTN: EDDIE SEAY

601 W. ILLINOIS HOBBS, NM 88242

FAX TO: (505) 392-6949

Receiving Date: 11/16/06 Reporting Date: 11/22/06 Project Number: NOT GIVEN

Project Name: SOUTH LANGLIE JAL UNIT

Project Location: LEA COUNTY, NM

Sampling Date: 11/16/06

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NO.	SAMPLE ID	GRO $(C_6$ - $C_{10})$ $(mg/L)$	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/L)	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS	DATE:	11/21/06	11/21/06	11/21/06	11/21/06	11/21/06	11/21/06
H11816-1	MONITOR WELL #2	<5.0	<5.0	<0.002	<0.002	<0.002	<0.006
H11816-2	MONITOR WELL #3	<5.0	<5.0	<0.002	<0.002	<0.002	<0.006
H11816-3	MONITOR WELL #4	<5.0	<5.0	<0.002	<0.002	<0.002	<0.006
H11816-4	MONITOR WELL #5	<5.0	<5.0	<0.002	<0.002	<0.002	<0.006
H11816-5	MONITOR WELL #6	<5.0	<5.0	<0.002	<0.002	<0.002	<0.006
H11816-6	MONITOR WELL #7	<5.0	<5.0	<0.002	<0.002	<0.002	<0.006
Ovelity Con	Aral	20.7	20.7	0.402	0.104	0.405	0.244
Quality Cor	·	29.7	29.7	0.103	0.104	0.105	0.311
True Value		30.0	30.0	0.100	0.100	0.100	0.300
% Recover	у	99.0	99.0	103	104	105	104.0
Relative Pe	rcent Difference	4.6	1.8	6.2	1.1	1.6	0.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke. Ph. D.

Date



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

ANALYTICAL RESULTS FOR **SMITH & MARRS** ATTN: EDDIE SEAY 601 W. ILLINOIS **HOBBS, NM 88242** FAX TO: (505) 392-6949

Receiving Date: 11/16/06

Reporting Date: 11/21/06

Project Number: NOT GIVEN

Project Name: SOUTH LANGLIE JAL UNIT

Project Location: LEA COUNTY, NM

Sampling Date: 11/16/06

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: HM

		TDS	CI-
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)
Analysis Date:		11/20/06	11/16/06
H11816-1	MONITOR WELL #2	753	144
H11816-2	MONITOR WELL #3	1525	488
H11816-3	MONITOR WELL #4	1585	528
H11816-4	MONITOR WELL #5	685	200
H11816-5	MONITOR WELL #6	739	96
H11816-6	MONITOR WELL #7	1610	512
Quality Control		NA	500
True Value QC		NA	500
% Recovery		NA	100
Relative Percent I	Difference	NA	0.0

METHOD: EPA 600/4-79-020 160.1 4500-CI-B

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

Hobbs NM 88240

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analyses. All claims includin service. In no event shall Ca affiliates or successors arisit	ensiyees. All claims including those for negligance and any other cause whatsoever state be deemed washed affects made in writing and received by Cardinal within 30 days affect completion of the expiricable service. In no event shall Cerdinal to be table for incidental or consequental dismages, including whether limitation, butteress tatemptions, loss of use, or tess of profits incursed by defert, its subscitainies, affectes or successors arising out of or related to the performance of services herearder by Condinal, repartless of whether such claim is based upon any of the above stated reasons or otherwise.	med wat thout limit dinad, rea	ved or vation, gardis	niess ma busines ss of wh	ethers	nănger Liptions, Lich clai	nd recest	sed up	Calloan ribesso on any	al within f profits of the a	1 30 days after complex incurred by difert, its above stated reasons	etion of the applicable subsidiaries, or otherwise.	O.					20 Cg	costs o	Collect	ons, in	duding	্য এন্যুচ past due et re l'ete et e et e e e e e e e e e e e e e e	's fees		ngma	date o	TWOIC	
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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.