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PDR

OGLE PETROLEUM INC.

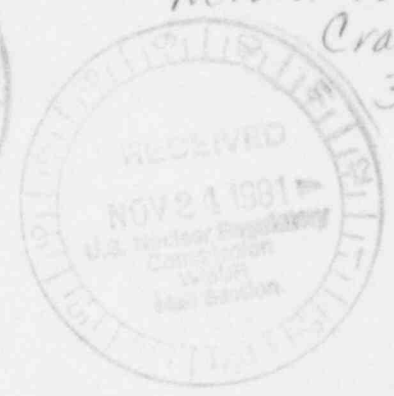
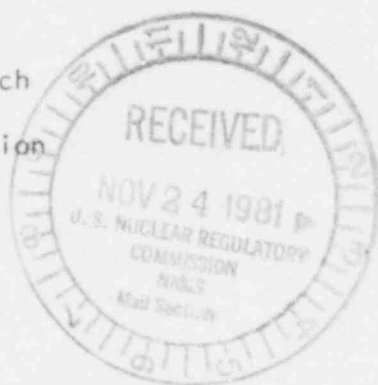
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559 SAN YSIDRO ROAD
SANTA BARBARA, CALIFORNIA 93108

November 17, 1981

PLEASE DIRECT REPLY TO:
150 N. Nichols Avenue
Casper, Wyoming 82601

Mr. Ross A. Scarano, Chief
Uranium Recovery Licensing Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Return to Dave
Cramer
39655

AND

Mr. Ed Francis
District III Engineer
Land Quality Division
Wyoming Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002

RE: Bison Basin Project
NRC License No. SUA-1396
Docket No. 40-8745
DEQ Permit to Mine No. 504

Subject: Baseline Water Quality Data Report
Mining Unit No. 1



Gentlemen:

In reference to the Ogle Petroleum Inc. (OPI) baseline water quality data report of May 12, 1981, I have discovered two typographical errors contained within this report. The upper control limit (UCL) listed for specific conductance for monitor well M-3 was reported as 2370 mhos/cm. The actual upper control limit in this case is 2730 mhos/cm.

Secondly, the same type of typographical error occurred in this report for monitor well M-11. The UCL for specific conductance for M-11 was reported as 2597 mhos/cm, while the true value is 2592 mhos/cm.

Enclosed, please find corrected baseline water quality data sheets for monitor wells M-3 and M-11 to be used as replacement pages in your reports. If you or your staff have additional copies of the baseline water quality data report on hand, please make the necessary corrections.

Sincerely,
OGLE PETROLEUM INC.

Bruce A. Lawson
Bruce A. Lawson
Environmental Engineer



FEE EXEMPT

BAL:me
Enclosure
cc: Document Management Branch, NRC
Tony Mancini, WDD/DEQ
DENVER

TUCSON

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Add'l Info

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ORIGINAL NOT RECID

BASELINE WATER QUALITY DATA

(Upper Aquifer)

PARAMETER	EPA DRINKING WATER STANDARD	UPPER CONTROL LIMIT	SAMPLE ROUND 1 COLLECTED 08-18-78	SAMPLE ROUND 2 COLLECTED 09-21-78	SAMPLE ROUND 3 COLLECTED 10-12-78	SAMPLE ROUND 4 COLLECTED 10-23-78
Total Dissolved Solids			1848	1864	1792	1958
*Specific conductance (mhos/cm)		2730	2125	2275	2275	2225
*Sodium		700	527	522	495	583
Potassium			10	12	9	10
Calcium			60	57	57	67
Magnesium			16	13	25	12
*Sulfate	250	1572	1225	1150	1150	1310
*Chloride	250	22	18	18	18	18
Carbonate			12	12	12	12
Bicarbonate			98	98	98	98
*Carbonate + Bicarbonate		132	110	110	110	110
pH (pH units)	5-9		8.3	8.2	8.4	8.6
Aluminum			-0.05	-0.05		
Ammonia (as N)			0.21	0.14	0.18	4.0
Arsenic	0.05		-0.01	-0.01		
Barium	1.0		-0.05	-0.05		
Boron	0.75		-1.0	-1.0		
Cadmium	0.01		-0.002	-0.002		
Chromium	0.05		-0.01	-0.01		
Copper	1.0		-0.01	-0.01		
Fluoride	1.4-2.4		0.09	0.78		
Iron	0.3		0.02	0.02	-0.01	-0.01
Lead	0.05		-0.05	-0.05	-0.05	-0.05
Manganese	0.05		-0.01	-0.01		
Mercury	0.002		-0.001	-0.001		
Molybdenum			-0.05	-0.05		
Nickel	0.013		-0.04	-0.04		
Nitrate (as N)	10		-0.01	-0.01	-0.01	0.47
Nitrite (as N)	1		-0.01	-0.01	-0.01	-0.01
Selenium	0.01		-0.01	-0.01	-0.01	-0.01
*Uranium (as U ₃ O ₈)	5	1.001	-0.001	-0.001	-0.001	-0.001
Vanadium			-0.05	-0.05		
Zinc	5		-0.01	0.01	0.01	0.01
Radium 226 (pCi/l)	5		0.47 0.32	0.57 0.30	4.3 0.4	0.43 0.35
Thorium 230 (pCi/l)			2.71 1.48	19.5 6.9	0.3 0.4	0.6 1.0

Blank spaces indicate parameters not analyzed.

NOTES: All values in mg/l except as otherwise noted.

-Means not detected at levels indicated.

*Excursion Parameters.

All samples analyzed by Chemical and Geological Laboratories,
Casper, Wyoming

MONITOR WELL M11
BASELINE WATER QUALITY DATA

PARAMETER	EPA DRINKING WATER STANDARD	UPPER CONTROL LIMIT	SAMPLE ROUND 1 COLLECTED 09-04-80	SAMPLE ROUND 2 COLLECTED 09-11-80	SAMPLE ROUND 3 COLLECTED 09-18-80	SAMPLE ROUND 4 COLLECTED 10-29-80
Total Dissolved Solids			1303	1248	1268	1290
*Specific Conductance (mhos/cm)		2592	1910	2160	1820	1940
*Sodium		508	423	365	402	383
Potassium			9	8	9	8
Calcium			12	19	23	21
Magnesium			3	4	5	7
*Sulfate	250	912	744	746	715	760
*Chloride	250	48	40	36	37	35
Carbonate			14	0	0	0
Bicarbonate			73	117	132	127
*Carbonate+ Bicarbonate		158	87	117	132	127
pH (pH units)	5-9		9.03	7.90	7.78	7.61
Aluminum			-0.05	-0.05	-0.05	-0.05
Ammonia (as N)			0.26	0.19	0.23	0.11
Arsenic	0.05		0.004	0.003	0.004	0.003
Barium	1.0		-0.02	-0.02	-0.02	-0.02
Boron	0.75		-1.0	-1.0	-1.0	-1.0
Cadmium	0.01		-0.005	-0.005	-0.005	-0.005
Chromium	0.05		-0.01	-0.01	-0.01	-0.01
Copper	1.0		-0.01	-0.01	-0.01	-0.01
Fluoride	1.4-2.4		1.42	1.01	1.13	1.15
Iron	0.3		-0.05	-0.05	-0.05	-0.05
Lead	0.05		-0.05	-0.05	-0.05	-0.05
Manganese	0.05		-0.01	-0.01	-0.01	-0.01
Mercury	0.002		-0.001	-0.001	-0.001	-0.001
Molybdenum			-0.05	-0.05	-0.05	-0.05
Nickel	0.013		-0.01	-0.01	-0.01	-0.01
Nitrate (as N)	10		0.18	0.26	0.31	0.51
Nitrite (as N)	1		-0.01	-0.01	-0.01	-0.01
Selenium	0.01		-0.002	-0.002	-0.002	-0.002
Uranium (as U ₃ O ₈)	5	1.010	-0.005	-0.005	-0.005	0.010
Vanadium			-0.05	-0.05	-0.05	-0.05
Zinc	5		0.010	0.007	-0.005	-0.005
Radium 226 (pCi/l)	5		4.8±0.62	5.94±0.59	4.92±0.64	6.53±0.58
Thorium 230 (pCi/l)			47.7±4.3	0.5±0.9	21.6±2.3	0.5±1.0

NOTES: All values in mg/l except as otherwise noted.
 -Means not detected at levels indicated.
 *Excursion Parameters.

All samples analyzed by Energy Analytical Laboratory; Casper, Wy.

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