

1R - 225

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**  
1996 - 1995

## OIL CONSERVATION DIVISION

January 17, 1996

**CERTIFIED MAIL****RETURN RECEIPT NO. Z-765-962-923**

Mr. Lee Roberts  
8301 Eunice Hwy  
Hobbs, New Mexico 88240

**Re: Water Well Sampling**  
**807 Rash**  
**Hobbs, New Mexico**

Dear Mr. Roberts:

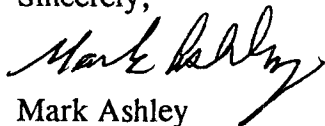
On November 14, 1995 the New Mexico Oil Conservation Division (OCD) collected a water sample from your private well located at 807 Rash, Hobbs, New Mexico to analyze for the presence of hydrocarbon related contamination. The enclosed analyses indicates that your well contained the following constituents that are above New Mexico Water Quality Control Commission (WQCC) standards (enclosed).

<u>Constituent</u>	<u>Concentration (mg/l)</u>	<u>Water Quality Standard (mg/l)</u>
Benzene	1.3	.01
Total Naphthalenes (Naphthalene and 2-Methylnaphthalene)	.043	.03

Since the above mentioned contamination levels are above the WQCC's health based standards, the OCD recommends that the well not be used as a source of drinking water.

The OCD will be evaluating potential sources of the ground water contamination in the area. If you have any questions, please call me at (505) 827-7155.

Sincerely,



Mark Ashley  
Geologist

xc: OCD Hobbs Office

OFFICE OF THE SECRETARY - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5950  
ADMINISTRATIVE SERVICES DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5925  
ENERGY CONSERVATION AND MANAGEMENT DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5900  
FORESTRY AND RESOURCES CONSERVATION DIVISION - P. O. BOX 1948 - SANTA FE, NM 87504-1948 - (505) 827-5830  
MINING AND MINERALS DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-5970  
OIL CONSERVATION DIVISION - P. O. BOX 6429 - SANTA FE, NM 87505-6429 - (505) 827-7151  
PARK AND RECREATION DIVISION - P. O. BOX 1147 - SANTA FE, NM 87504-1147 - (505) 827-7465

Z 765 962 923



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

NMOCD INTER-OFFICE CORRESPONDENCE

TO: Mark Ashley-Environmental Bureau  
From: Wayne Price-Environmental Engineer *Wayne Price*  
Date: January 11, 1996  
Reference: Lee Roberts water well located 806 Rash Hobbs NM  
Subject: Ground Water Contamination  
Comments:

Dear Mark,

Per your request please find enclosed the information that District I has concerning this issue.

Please note it is my understanding that the information in which I obtained from the NMED reflects there was an up-gradient water well at a nearby residence of a Mrs. Jewel Roberts that had ground water contamination that was contributed to gasoline and solvents.

Mr. Lee Robert's well which is down gradient and approximately 100-300' away is now contaminated as you know. Also it is my understanding there is no connection between the two parties because of the similar last names.

I estimate the depth to ground water at 40 to 50 feet in this area.

It appears there might be an underground plume that is migrating to the southeast. This is only speculation at this time.

I can also say that the water does not have the usual "Oilfield" odors that are usually associated with ground water that has been contaminated from an Oil & Gas activity. Also the chlorides are very low. The olfactory smells noted by Gary Wink and myself was one of a paint thinner or solvent smell.

If you need anymore information please do not hesitate to call or write.

cc: Jerry Sexton-District I Supervisor  
Gary Wink-Field Rep. II  
Myra Meyers-NMED Hobbs Office

attachments-copy of Hobbs file

JERRY SEXTON  
ROGER ANDERSON  
ALL OLSON

Page 1 of 2

NEW MEXICO OIL CONSERVATION COMMISSION  
FIELD TRIP REPORT

INSPECTION	CLASSIFICATION	FACILITY	HOURS	QUARTER HOURS
------------	----------------	----------	-------	---------------

Name WAYNE PRICE Date \_\_\_\_\_ Miles \_\_\_\_\_ District I  
Time of Departure 7 AM Time of Return 4 PM Car No. G 047

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature [Signature]

W 0 0 2 0

9/1/95 - LEE ROBERTS WATER WELL

807 RASH - HOBBS N.M.

SAMPLED WATER FROM SPIGOT -

CITY OF HOBBS RAN FIELD TEST

FOR BTEX  $\approx .6$  MG/L USING

DTECH KIT TK-1003-1

9/6/95 - SAMPLED TOP of WATER WELL USING

PLASTIC DISPOSABLE BAILER WITH MP.

ROBERTS - RESULTS: WATER CLEAR, MODERATE

HYDROCARBON SMELL, PID (BTEX - HEAD SPACE)  $\approx 220$  PPM

CL = 35 PPM TDS = 800 MG/L - RAN BLANK PID  $\approx 20$  PPM

Mileage

UIC \_\_\_\_\_

RFA \_\_\_\_\_

Other \_\_\_\_\_

Per Diem

UIC \_\_\_\_\_

RFA \_\_\_\_\_

Other \_\_\_\_\_

Hours

UIC \_\_\_\_\_

RFA \_\_\_\_\_

Other \_\_\_\_\_

TYPE INSPECTION  
PERFORMED

H = Housekeeping  
P = Plugging  
C = Plugging Cleanup  
T = Well Test  
R = Repair/Workover  
F = Waterflow  
M = Mishap or Spill  
W = Water Contamination  
O = Other

INSPECTION  
CLASSIFICATION

U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SWD, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)  
R = Inspections relating to Reclamation Fund Activity  
O = Other - Inspections not related to injection or The Reclamation Fund  
E = Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

NATURE OF SPECIFIC WELL  
OR FACILITY INSPECTED

D = Drilling  
P = Production  
I = Injection  
C = Combined prod. inj. operations  
S = SWD  
U = Underground Storage  
G = General Operation  
F = Facility or location  
M = Meeting  
O = Other

NEW MEXICO OIL CONSERVATION COMMISSION  
FIELD TRIP REPORT

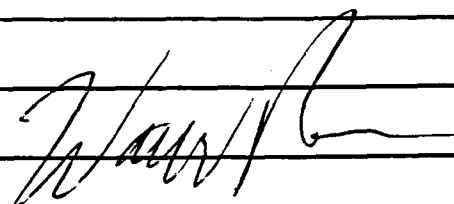
I N S P E C T I O N	C L A S S I F I C A T I O N	F A C I L I T Y	H O U R S	Q U A R T E R
				H O U R S

Name WAYNE PRICE Date \_\_\_\_\_ Miles \_\_\_\_\_ District I  
Time of Departure 7 AM Time of Return 4 PM Car No. G 0472

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature \_\_\_\_\_

WATER WELL LOCATED INSIDE SMALL STORAGE  
SHED - CASING ON WELL IS FLUSH WITH FLOOR  
RECOMMENDED THAT CASING BE EXTENDED  
UP TO PREVENT RAIN WATER, FLOWS ETC  
FROM ENTERING WELL-BORER; ALSO  
RECOMMENDED THAT MR. ROBERTS SHOULD  
THINK ABOUT CONNECTING TO CITY OF  
HOBBS FRESH WATER LINE.



## Mileage

UIC \_\_\_\_\_

RFA \_\_\_\_\_

Other \_\_\_\_\_

## Per Diem

UIC \_\_\_\_\_

RFA \_\_\_\_\_

Other \_\_\_\_\_

## Hours

UIC \_\_\_\_\_

RFA \_\_\_\_\_

Other \_\_\_\_\_

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PERFORMED

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SENT TO DIVISION  
RECEIVED

SEP 5 AM 8 52

TO: BILL OLSON  
NMOC

STATE OF  
NEW MEXICO  
OIL  
CONSERVATION  
DIVISION



MEMORANDUM OF MEETING OR CONVERSATION



Telephone



Personal

Time

~ 9:00 AM

Date

8/28/75

Originating Party

Other Parties

LEE ROBERTS - 807 RASH HILLS

Subject

WATER WELL

Discussion

MR ROBERTS REQUESTED NMOC INVESTIGATE  
SOURCE OF CONTAMINATION

MR. ROBERTS: INDICATED NORRIS SUTHER RUD  
CO. IS WASHING OFF PILES & WATER IS  
DISCHARGING TO GROUND.

Conclusions or Agreements

DISTRICT SUPERVISOR RECOMMEND RUN NITRATES  
DUE TO PREVIOUS NITRATE CONTAMINATION IN AREA!

Distribution

CC: JERRY SEXTON  
ROGER ANDERSON

Signed

*[Signature]*

CC JERRY SEXTON  
ROGER ANGELO

NEW MEXICO OIL CONSERVATION COMMISSION  
FIELD TRIP REPORT

INSPECTION	CLASSIFICATION	FACILITY	HOURS	QUARTER
				HOURS

Name WAYNE PRICE Date 8/27/95 Miles \_\_\_\_\_ District I  
Time of Departure 7 AM Time of Return 4 PM Car No. G 047

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature [Signature]

RE: LEE ROBERTS WATER WELL  
807 RASH HOBBS N.M.

TOOK WATER SAMPLE - city  
of HOBBS TO RUN NO<sub>3</sub> + BIO -

Mileage	Per Diem	Hours
UIC _____	UIC _____	UIC _____
RFA _____	RFA _____	RFA _____
Other _____	Other _____	Other _____

TYPE INSPECTION  
PERFORMED

H = Housekeeping  
P = Plugging  
C = Plugging Cleanup  
T = Well Test  
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F = Facility or location  
M = Meeting  
O = Other





CITY OF HOBBS  
300 N. Turner  
Hobbs, NM 88240  
Lab # 9411

# MICROBIOLOGICAL WATER REPORT

Date Received \_\_\_\_\_

Time Test Began 8:45 Date 11/17/95

Time Received \_\_\_\_\_

Time Test Ended 9:15 Date \_\_\_\_\_

Received by \_\_\_\_\_

SAMPLE IDENTIFICATION			TESTING REQUIRED	
Quality Control No. <u>25 H 75</u>	County <u>LEA</u>		<input type="checkbox"/> MF-Total Coliform <input type="checkbox"/> MMO MUG-Total Coliform	
Water Supply System Name <u>LEE ROBERTS</u> <u>207 RASH H-305</u>			WSS Code No.	
COLLECTION INFORMATION			LABORATORY TEST RESULTS	
Date Collected Mo. Day Yr. <u>11/17/95</u>	Time Collected <u>11:00AM</u>	Collected By <u>WAYNE PRICE</u>	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present
Collection Point <u>WATER WELL SIPPET</u>			Fecal Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	E. coli / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present
TYPE OF SYSTEM			INVALID SAMPLE	
Check One <input type="checkbox"/> Public Non-Community <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Public Community <input checked="" type="checkbox"/> Private Well Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No Residual: _____ mg / l (required for fecal test)			If one of the following is checked, resample. <input type="checkbox"/> TNTC Non-Coliforms <input type="checkbox"/> Confluent Growth	
REASON FOR SAMPLING			REJECTED SAMPLE	
Check One <input type="checkbox"/> Routine Sample <input checked="" type="checkbox"/> Special Sample <input type="checkbox"/> Check Sample <input type="checkbox"/> Monitor Sample			If one of the following is checked, resample. <input type="checkbox"/> Sample too old. <input type="checkbox"/> Temperature violation. (above 10° C) <input type="checkbox"/> Form incomplete. See circled item. <input type="checkbox"/> Date discrepancy. <input type="checkbox"/> Leaking Sample. <input type="checkbox"/> Quantity insufficient for testing. <input type="checkbox"/> Quantity too great to permit agitation. <input type="checkbox"/> Turbid sample. <input type="checkbox"/> Other _____	
			FOR INTERPRETATION OF RESULTS CALL THE NEW MEXICO ENVIRONMENT DEPARTMENT AT 393-4302.	

NOTE: FLAMED END OF SIPPET / USED GLOVES / ICE SAMPLE

SEND REPORT AND BILL TO THE FOLLOWING:

NAME MR WAYNE PRICE

COMPANY NM OK CONSERVATION DIV

ADDRESS 1300 W BRADWAY

PHONE 505-393-6161

Bacteriologist

A FEE OF \$10.00 PLUS TAX IS CHARGED FOR EACH TEST.

OFFICE USE ONLY

ACCT. #

31 AUG 1995  
OIL CONSERVATION DIVISION  
8 52

CC: ROGER ANDERSON  
BILL OLSON  
TERRY SEBASTON  
MILEAGE

UIC: \_\_\_\_\_  
OTHER: \_\_\_\_\_

OIL CONSERVATION DIVISION  
COMPLAINT FORM

PERSON COMPLAINING:

NAME: LEE ROBERTS  
ADDRESS: 807 RASH  
HOBBS N.M. 88290

INFORMATION TAKEN BY:

TAKEN BY: WAYNE PRICE  
DATE: 8/14/95 TIME: 2:30 PM  
IN PERSON: ✓ BY PHONE: \_\_\_\_\_

PHONE: 393-9697

COMPLAINT: WATER FROM WELL IS CONTAMINATED - NMEP REQUESTED  
HIM TO NMCD.

COMMENTS: WATER HAS HYDROCARBON IN IT BAD SMELL + TASTE  
WATER HAS BEEN GOOD IN PAST

- INVESTIGATION -

INVESTIGATOR: WAYNE PRICE - NMCD

DATE: 8/14/95

TIME: ~ 3:15 PM

DESCRIBE INVESTIGATION AND FINDINGS: TOOK WATER SAMPLE AT  
WATER WELL TANK -

RESULTS OF FIELD TEST - TDS ~ HUNDREDS 1100 UG/L  
CL ~ 75 PPM ; PH 7-8  
BTEX (PID) MAX = 695 PPM (HEAD SPACE)  
OLFACTORY - SLIGHT TO MODERATE SMELL  
VISUAL - CLEAR WATER

WATER APPEARS TO BE CONTAMINATED WITH VOLATILE HYDROCARBON  
SOURCE UNKNOWN!!

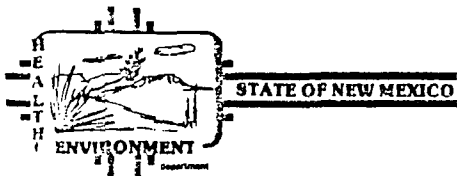
- FOLLOW-UP -

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

ACTION TAKEN: \_\_\_\_\_

*Wayne Price*



# MEMORANDUM

DATE: September 11, 1986

TO: Dennis McQuillan, Groundwater/Hazardous Waste, Santa Fe

FROM: Roelf Ruffner, Environmentalist Supervisor *RR*

SUBJECT: GASOLINE CONTAMINATION

I informed Mrs. Jewel Roberts, 801 South Rash in Hobbs, 393-5640, that her well was contaminated with gasoline. The well is next to a garage owned by Mrs. Roberts. Near the well are several places where machinery have been cleaned with gasoline or solvent. Her property is located in T19S, R38E, Sec. 05, NE $\frac{1}{4}$ , NE $\frac{1}{4}$  approximately 1/10 mile south of the intersection of Rash and Marland. Several private water wells are located to the southeast of her property.

RR/jp

pc Garrison McCaslin, HPM II, Roswell  
Tom Burt, HPM I, Carlsbad/Hobbs  
Files - Hobbs EID ✓

**RECEIVED**

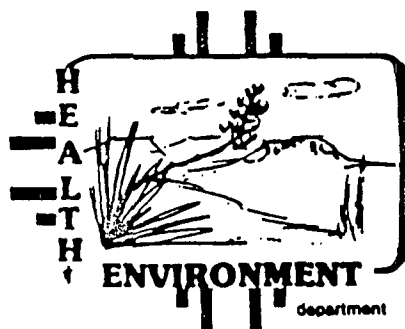
SEP 07 1995

OLD HOBBS  
OFFICE

*Received from  
NM ED  
H-BA's office  
Juli*

TONEY ANAYA  
GOVERNOR

DENISE D. FOF  
DIRECTOR



STATE OF NEW MEXICO

ENVIRONMENTAL IMPROVEMENT DIVISION

James Murray State Office Bldg.  
2120 North Alto  
Hobbs, NM 88240  
397-5250 - 397-5251

June 12, 1986

Mr. Bob Gallagher  
Assistant City Manager  
City of Hobbs  
P. O. Box 1117  
Hobbs, NM 88240

Dear Mr. Gallagher:

Enclosed is a compilation of data from Nitrate and Chloride Surveys conducted by the Environmental Improvement Division in the Hobbs area over the last three years. Due to budgetary cutbacks, our water surveys have been reduced during 1986.

I hope this data will be of interest to you. If there are any questions, please feel free to call.

Sincerely,

Roelf Ruffner  
Environmental Supervisor

RR/jp

Enclosure

pc Garrison McCaslin, E. Roswell  
Tom Burt, HPM I, Carlsbad/Hobbs  
Files - Hobbs EID.

RECEIVED

SEP 07 1995  
UCD HOBBS  
OFFICE

June 12, 1986  
NITRATE & CHLORIDE STUDY  
HOBBS AREA  
CONDUCTED BY  
ENVIRONMENTAL IMPROVEMENT DIVISION

RECEIVED  
SEP 07 1995  
UCD HOBBS  
OFFICE

<u>LOCATION</u>	<u>DATE</u>	<u>NITRATE (Mg/l)</u>
409 E. Kansas	05-09-86	3.8
113 Chance	04-24-85	2.82
606 Lakeview	04-24-85	2.84
708 Lakeview	04-24-85	5.18
8315 N. Grimes	02-21-85	2.04
Llano Grande	02-06-85	0.01
320 Sunset	03-22-85	3.20
3100 Stanolind	03-08-85	22.6
17 Burgess	01-28-85	1.94
Hasten - W. Bender	01-05-85	1.58
3500 N. Dal Paso	06-13-85	1.99
Goff Dairy	11-15-84	1.82
825 S. Asher	11-09-84	16.5
3909 N. Fowler	11-07-84	8.9
Hope Rd #10	11-07-84	2.04
Gary Lane	11-07-84	8.8
Gary Lane	11-07-84	2.79
3406 W. Bender	11-07-84	11.6
4201 W. Bender	11-07-84	1.61
125 Roberts Lane	11-07-84	1.32
2492 N. Dal Paso	11-09-84	5.71
803 Absher	11-14-84	7.48
728 S. Gibbs	09-21-84	11.7
1300 S. Fellowship	08-13-84	3.14
310 Sunset	02-27-85	19.0
822 S. Gibbs	09-21-84	7.4
New Life Fellowship	07-17-84	4.32
Hickman	07-02-84	14.9

Nitrate & Chloride Study  
Hobbs Area

2

June 12, 1986  
Environmental Improvement Division

<u>LOCATION</u>	<u>DATE</u>	<u>NITRATE (Mg/l)</u>
600 Chickasaw	07-10-84	4.02
19 Brand Dr.	07-20-84	2.28
1455 Connors Rd.	07-20-84	0.07
K.T. Bar Park	05-15-84	0.38
Baptist Assoc. Lov. Hwy.	07-02-84	2.21
503 E. Stanolind	07-11-84	0.09
Stane -.E. Stanolind	06-08-84	18.2
Hernandez - E. Stanolind	06-08-84	23.4
Navarro - E. Stanolind	05-15-84	16.3
4031 E. Bender	12-18-84	19.2
4102 Fowler	11-30-84	7.18
4108 Fowler	11-29-84	9.5
3905 Fowler	11-28-84	0.19
2500 W. Midwest	12-04-84	6.75
400 W. Martin	12-26-84	2.50
120 W. Martin	12-26-84	2.62
101 W. Eva	12-26-84	3.58
2511 N. McKinley	11-28-84	11.0
6127 Davis	05-16-84	2.64
#5 Tulsa Rd.	05-14-84	16.2
203 Hickman	02-22-84	5.34
1600 Bensing	04-04-84	3.63
1651 Bensing	04-04-84	2.81
816 W. Co. Rd.	04-05-84	2.84
901 S. Gibbs	04-05-84	4.04
1723 Lee Ann	04-12-84	2.85
K.T. Bar Park	05-15-84	0.38
2546 N. Dal Paso	05-02-84	3.75
201 Broom	02-20-84	11.9
Decker Lane #3	02-21-84	5.96
4308 N. Grimes	02-20-84	4.00
111 E. Campbell	02-21-84	5.46

RECEIVED  
SEP 07 1995  
UCD HOBBS  
OFFICE

Nitrate & Chloride Study  
Hobbs Area

3

June 12, 1986  
Environmental Improvement Division

<u>LOCATION</u>	<u>DATE</u>	<u>CHLORIDE (Mg/l)</u>
409 E. Kansas	05-09-85	42.9
3500 N. Dal Paso	06-13-85	89.4
Permian Corp.	03-26-85	68.9
2502 W. Midwest	02-15-85	258.5
3100 E. Stanolind	03-08-85	300.8
320 Sunset	03-22-85	52.1
310 Sunset	02-27-85	172.1
8315 N. Grimes	02-21-85	42.7
Llano Grande	02-06-85	158.6
466 Cherokee	02-28-85	64.4
#2 Peaches	02-28-85	79.4
Hasten - W. Bender	01-05-85	77.1
17 Burges	01-28-85	71.2
4031 W. Bender	12-18-84	160.0
113 Chance	04-24-85	47.4
708 Lakeview	04-24-85	112.4
606 Lakeview	04-24-85	44.4
2500 W. Midwest	12-04-84	171.0
4108 Fowler	11-29-84	3.4
3905 Fowler	11-28-84	54.1
Goff Dairy	11-15-84	45.4
825 S. Gibbs	09-21-84	295.4
728 S. Gibbs	09-21-84	150.5
2502 W. Midwest	12-04-84	236.1
4102 Fowler	11-30-84	88.0
2511 N. McKinley	11-28-84	82.8
1830 E. Adams	07-19-84	39.3
1445 Connors Rd.	07-20-84	57.6
19 Brand Dr.	07-20-84	69.8
Hickman	07-02-84	103.5
1700 S. Fellowship	07-11-84	55.5
600 Chickasaw	07-10-84	74.2
Baptist Assoc. Lov. Hwy.	07-02-84	49.3

RECEIVED  
SEP 07 1995  
UCD HOBBS  
OFFICE

Nitrate & Chloride Study  
Hobbs Area

4

June 12, 1986  
Environmental Improvement Division

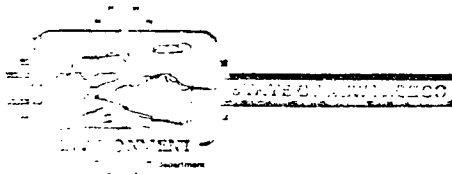
<u>LOCATION</u>	<u>DATE</u>	<u>CHLORIDE (Mg/l)</u>
Hernandez - E. Stanolind	06-08-84	270.5
127 Davis	05-16-84	38.2
K.T. Bar Park	05-15-84	82.1
503 E. Stanolind	07-11-84	206.0
Stane - E. Stanolind	06-08-84	415.8
Navarro - E. Stanolind	05-15-84	427.9
803 Absher	11-14-84	179.4
2492 N. Dal Paso	11-09-84	184.9
2546 N. Dal Paso	05-02-84	607.0
#5 Tulsa Rd.	05-14-84	152.0
203 Hickman	02-22-84	132.4
1600 Bensing	04-04-84	41.8
1651 Bensing	04-04-84	55.0
2210 Bensing	04-12-84	61.8
1723 Lee Ann	04-12-84	38.0
808 Everglade	02-02-84	115.3
4308 N. Grimes	02-20-84	44.5
111 E. Campbell	02-21-84	47.6
Decker Lane #3	02-21-84	263.6
201 Broom	02-20-84	172.4
New Life Fellowship	02-16-84	319.3
226 Martin	01-25-84	51.5
3504 W. Co. Rd.	02-02-84	589.5

RECEIVED  
SEP 07 1995  
UCD HOBBS  
OFFICE

RR/jp

pc Garrison McCaslin, HPM II, Roswell  
Tom Burt, HPM I, Carlsbad/Hobbs  
Ken Gleason, Asst. City Mgr., Hobbs  
Files - Hobbs EID





# MEMORANDUM

DATE: December 21, 1984

TO: Pat Longmeir, Groundwater, Santa Fe

FROM: Roelf Ruffner, Environmentalist, Hobbs *RR*

SUBJECT: OIL CONTAMINATION - HOBBS, NM

The attached water analyses report is a water analysis done for OCD on a possible oil/brine contamination at T19S, R38E, Section 5, NE $\frac{1}{4}$ , SE $\frac{1}{4}$ , NW $\frac{1}{4}$ . Amoco Production Company was drilling. I also took samples for SLD.

Please note NO. 3. OCD doubts there is contamination.

RR/jp

Attachment (1)

pc Files - Hobbs EID

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P. BOX 1468  
MANS, TEXAS 79755  
713224 01553-1040

Marlin Water Laboratories, Inc.

COPY

709 W. INDIANA  
MIDLAND, TEXAS 79701  
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. John Breeding LABORATORY NO. 128419  
W. W. W. Co., Hobbs, NM SAMPLE RECEIVED 12-1-54  
RESULTS REPORTED 12-1-54

COMPANY Amoco Production Company LEASE South Hobbs Unit  
FIELD OR POOL Hobbs

TEST ON     BLOCK     SURVEY     COUNTY     STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Sample 12500. (2500 W. Midwest, Hobbs)  
NO. 2 Sample 12502. (2502 W. Midwest, Hobbs)  
NO. 3 Sample 12507 (120' - 22' from surface).  
NO. 4    

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0020	1.0027	1.0025	
Unfiltered Sample				
Sample Received	7.23	7.42	7.56	
Alkalinity as $\text{HCO}_3$	448	603	337	
Alkalinity as $\text{CaCO}_3$				
Alkalinity as $\text{CaCO}_3$				
Total Hardness as $\text{CaCO}_3$	595	800	337	
Calcium as Ca	272	248	220	
Magnesium as Mg	40	44	39	
Sodium and/or Potassium	136	206	229	
Sulfate as $\text{SO}_4$	275	430	453	
Chloride as Cl	166	217	327	
Iron as Fe	0.14	0.16	0.21	
Cadmium as Cd				
Thiocy. Electric				
Color as Pt				
Total Solids, Calculated	1,239	1,747	1,604	
Temperature 24°				
Carbon Dioxide, Calculated				
Dissolved Oxygen, ml/liter				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohms/m at 77° F.	6.20	4.75	5.00	
Suspended Sol.				
Filterable Solids as mg/l				
Volume Filtered, ml				
Filterable Solids	1.5	1.3	0.0	

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and cor-  
rect to the best of his knowledge and belief.

P. O. BOX 1488  
MONAHAN, TEXAS 79756  
PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.  
WATER CONSULTANTS SINCE 1953  
BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIANA  
MIDLAND, TEXAS 797  
PHONE 683-4521

GENERAL METHOD OF STERILIZING  
WATER WELLS AND THE HOUSEHOLD PIPING SYSTEM

The water well should be treated with 2 to 3 gallons of household bleach (Purex, Chlorox, or other similar bleach) by pouring the bleach down the annulus. The annulus is the space between the large surface pump and the pipe that is run into the well with the pump on it.

After treating the above, a hose should be attached to the nearest faucet past or on the pressure tank and water run into the annulus for about 30 minutes to wash down and mix the chlorine treatment.

Following the above two actions, all faucets in the water system should be opened and flushed until a distinct odor of chlorine is noted: then the faucet should be shut off. After all the faucets in the system have been so flushed, then these faucets should be shut off and allowed to stand for two hours with no water being used out of the system. During this period, the system should be watched carefully so that no one uses the water for any purpose and especially should be protected against children using the water. During this period, the water will have a very strong bleach in it and can be very irritating, even to the skin.

After the above two-hour waiting period, each faucet should then be flushed about the same length of time as the previous flush with as many faucets running at one time as is possible. All the faucets should then be shut off for another hour. During this time water should not be used from the system for any purpose and the system should be especially protected against children using the water.

At the end of the above one-hour waiting period, all faucets on the end of all the lines should be opened and flushed to waste until there is clearly no chlorine odor at the end of the line. It is suggested that this main flushing should not go into a private septic system though minor flushing of faucets should not be harmful. Then all the faucets in the system should be flushed in like manner until there is no odor of chlorine in the water at any faucet.

It should be clarified that this is for the purpose of average domestic water systems: and if the system is very small or very large, then adjustments are needed.

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P.O. BOX 1468  
MONAHANS, TEXAS 79756  
PH 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

COPY

709 W INDIANA  
MIDLAND, TEXAS 79701  
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. John Breeding LABORATORY NO. 128419  
P.O. Box 68, Hobbs, NM SAMPLE RECEIVED 12-5-84  
RESULTS REPORTED 12-6-84

COMPANY Amoco Production Company LEASE South Hobbs Unit  
FIELD OR POOL Hobbs  
SECTION      BLOCK      SURVEY      COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Sample #2500.  
NO. 2 Sample #2502.  
NO. 3 Sample #2507 (120' - 22' from surface).  
NO. 4     

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0020	1.0027	1.0026	
pH when Sampled				
pH When Received	7.25	7.42	7.56	
Bicarbonate as HCO <sub>3</sub>	449	603	337	
Supersaturation as CaCO <sub>3</sub>				
Undersaturation as CaCO <sub>3</sub>				
Total Hardness as CaCO <sub>3</sub>	395	800	337	
Calcium as Ca	172	248	220	
Magnesium as Mg	40	44	39	
Sodium and/or Potassium	136	206	229	
Sulfate as SO <sub>4</sub>	275	430	453	
Chloride as Cl	166	217	327	
Iron as Fe	0.14	0.16	0.21	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	1,239	1,747	1,604	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide		0.0	0.0	
Resistivity, ohms/m at 77° F.		4.75	5.00	
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Oil & Grease	1.5	1.3	0.0	

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

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SEP 07 1985

UCB HOBBS  
OFFICE



City of Hobbs  
P.O. Box 1117  
Hobbs, New Mexico 88240

# Microbiological Water Report

Time Test Started 2:00  
Time Test Ended 2:20  
Date Reported To Water System 12-7-84

Lab Certification No. 05-01-84	
Date Received 12-5-84	Time Received 10:35

SAMPLE IDENTIFICATION			RESULTS OF TESTS FOR COLIFORM GROUP				
Quality Control No. OC-NA 727	County Lea	Water Supply System Name	WSS Code No.	Tube	Presumptive 24 hr 48 hr	Confirmed 24 hr 48 hr	COMPLETED
COLLECTION INFORMATION				A	10ml		
				B	10ml		
				C	10ml		
				D	10ml		
				E	10ml		
				COLIFORMS	Total per 100 ml MPN		
					Confirmed positive tubes MPN		
					Total 18 per 100 ml MF		
					Noncoliforms TNTC per 100 ml MF		
TYPE OF SYSTEM				A fee of \$10.00 is charged for each water test.			
Check One <input type="checkbox"/> Public Non-Community <input type="checkbox"/> Public Community <input checked="" type="checkbox"/> Private Well <input type="checkbox"/> Swimming Pool Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No Residual: _____ mg/L (required for fecal test)				water does not follow safe drinking standards.			
REASON FOR SAMPLING							
Check One <input checked="" type="checkbox"/> Routine Sample <input type="checkbox"/> Special Sample <input type="checkbox"/> Check Sample <input type="checkbox"/> Monitoring Sample							
TESTING REQUIRED							
Check One <input checked="" type="checkbox"/> Potability-Sample required for the Safe Drinking Water Act. <input type="checkbox"/> Fecal-coliform <input type="checkbox"/> Other _____							

SEND REPORT AND BILL TO THE FOLLOWING  
(Name - Address - Phone) Amoco Production  
Box 68  
Hobbs

attn: John Breeden

Marcus J. Buea  
Bacteriologist

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CITY OF HOBBS  
OFFICE



City of Hobbs  
P.O. Box 1117  
Hobbs, New Mexico 88240

MICROBIOLOGICAL  
WATER REPORT

Time Test Started 2:00  
Time Test Ended 2:20  
Date Reported To Water System 12-7-84

Lab Certification No. 05-01-84	
Date Received 12-5-84	Time Received 10:35

SAMPLE IDENTIFICATION

Utility Control No. QC-NA 727 County Lea  
Water Supply System Name WSS Code No.

COLLECTION INFORMATION

Date Collected 12-5-84 Time Collected 10:00 AM Collected By CD. F. Bueh  
Day Year  
Collection Point 2500 W. MIDLAND

TYPE OF SYSTEM

Check One  
☒ Public Non-Community ☐ Public Community  
☒ Private Well ☐ Swimming Pool  
Disinfected ☐ Yes ☐ No

Residual: \_\_\_\_\_ mg/L (required for fecal test)

REASON FOR SAMPLING

Check One OPEN  
☒ Routine Sample ☐ Special Sample  
☐ Check Sample ☐ Monitoring Sample

TESTING REQUIRED

Check One  
☒ Potability-Sample required for the Safe Drinking Water Act. ☐ Fecal-coliform  
Other \_\_\_\_\_

RESULTS OF TESTS FOR COLIFORM GROUP

Tube	Presumptive		Confirmed		COMPLETED
	24 hr	48 hr	24 hr	48 hr	
A	10ml				
B	10ml				
C	10ml				
D	10ml				
E	10ml				
COLIFORMS	Total				per 100 ml MPN
	Confirmed				positive tubes MPN
	Total				18 per 100 ml MF
	Noncoliforms				TNTC per 100 ml MF

A fee of \$10.00 is charged for each water test.

water does not follow  
safe drinking standards.

Marcus F. Bueh  
Bacteriologist

SEND REPORT AND BILL TO THE FOLLOWING

Name - Address - Phone) Amoco Production  
Box 68  
Hobbs

attn: John Breeden

RECEIVED

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UCD HOBBS  
OFFICE



City of Hobbs  
P.O. Box 1227  
Hobbs, New Mexico 88240

# MICROBIOLOGICAL WATER REPORT

Time Test Started 2:00

Time Test Ended 2:20

Date Reported To Water System 12-7-84

Lab Certification No.

05-01-84

Date Received

12-5-84

Time Receive

10:35

## SAMPLE IDENTIFICATION

Facility Control No. QC-NA 727 County Lea  
Water Supply System Name WSS Code No.

## COLLECTION INFORMATION

Date Collected 12-5-84 Time Collected 10:00 AM Collected By CD. PATTERSON  
Mo Day Year  
Collection Point 2502 W MIDWEST

## TYPE OF SYSTEM

Check One  
☐ Public Non-Community ☐ Public Community  
☒ Private Well ☐ Swimming Pool  
Disinfected ☐ Yes ☐ No

Residual: \_\_\_\_\_ mg/L (required for fecal test)

## REASON FOR SAMPLING

Check One OPEN  
☒ Routine Sample ☐ Special Sample  
☐ Check Sample ☐ Monitoring Sample

## TESTING REQUIRED

Check One  
☒ Potability-Sample required for the Safe Drinking Water Act. ☒ Fecal-coliform  
☐ Other \_\_\_\_\_

## RESULTS OF TESTS FOR COLIFORM GROUP

Tube	Presumptive		Confirmed		COMPLETED
	24 hr	48 hr	24 hr	48 hr	
A	10ml				
B	10ml				
C	10ml				
D	10ml				
E	10ml				
COLIFORMS	Total				per 100 ml MPN
	Confirmed				positive tubes MPN
	Total				10 per 100 ml MF
Noncoliforms				TNTC	per 100 ml MF

A fee of \$10.00 is charged for each water test.

water does not  
follow safe water  
regulations.

Marion J. Bace  
Bacteriologist

SEND REPORT AND BILL TO THE FOLLOWING  
(Name - Address - Phone)

Amco Productions  
Box 68  
Hobbs

Attn: John Breeden

**RECEIVED**

SEP 07 1995  
CITY OF HOBBS  
OFFICE



City of Hobbs  
P.O. Box 1117  
Hobbs, New Mexico 88240

# MICROBIOLOGICAL WATER REPORT

Time Test Started 2:00  
Time Test Ended 2:20  
Date Reported To Water System 12-6-84

Lab Certification No.  
05-01-84  
Date Received 12-5-84 Time Received 10:35

SAMPLE IDENTIFICATION			RESULTS OF TESTS FOR COLIFORM GROUP			
Quality Control No. <u>OC-NA 727</u>	County <u>Lea</u>	Tube	Presumptive		Confirmed	COMPLETED
Water Supply System Name	WSS Code No.		24 hr	48 hr	24 hr	
COLLECTION INFORMATION			A	10ml		
Date Collected <u>12-5-84</u>	Time Collected <u>12:50 PM</u>	Collected By <u>CP Patton</u>	B	10ml		
Collection Point <u>2507 Midway</u>			C	10ml		
TYPE OF SYSTEM			D	10ml		
Check One			E	10ml		
<input type="checkbox"/> Public Non-Community <input type="checkbox"/> Public Community			COLIFORMS			
<input checked="" type="checkbox"/> Private Well <input type="checkbox"/> Swimming Pool			Total per 100 ml MPN			
Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No			Confirmed positive tubes MPN			
Residual: _____ mg/L (required for fecal test)			Total per 100 ml MF			
REASON FOR SAMPLING			Noncoliforms <u>TNTC</u> per 100 ml MF			
Check One			A fee of \$10.00 is charged for each water test.			
<input checked="" type="checkbox"/> Routine Sample <input type="checkbox"/> Special Sample			<p><i>please resample and request an MPN Test.</i></p> <p><u>Marcos A. Baez</u> Bacteriologist</p>			
<input type="checkbox"/> Check Sample <input type="checkbox"/> Monitoring Sample						
TESTING REQUIRED						
Check One						
<input checked="" type="checkbox"/> Potability-Sample required for the Safe Drinking Water Act.						
<input type="checkbox"/> Other _____						

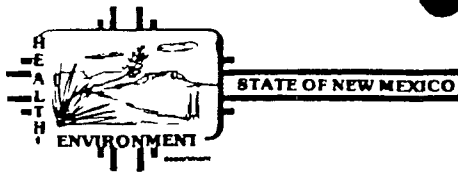
SEND REPORT AND BILL TO THE FOLLOWING  
(Name - Address - Phone)

Amaco Production  
Box 68  
Hobbs

attn: John Breeden

**RECEIVED**  
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OFFICE





# MEMORANDUM

DATE: August 27, 1982

TO: Paul McGinnis

FROM: Percy Blair, District IV Engineer *PFB*

SUBJECT: HOBBS WSC 80-20 (GIBBS AREA) O&M MANUAL

The attached letter from Brown, Henderson & Associates, Inc. requesting a waiver for an O&M manual for the above project was received on 8/26/82. It has been discussed in person with Terry Brown and Russell Doss, Hobbs city engineer.

Since the entire project consists of routine distribution lines and fire plugs and since we have As-Built plans, I agree that no O&M manual is needed and recommend that the requirement be waived.

PFB/tkm

Enclosure (1)

cc: John Guinn  
Tom Burt  
Hobbs Field Office  
File (2)

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AUG 30 1982  
HOBBS OFFICE *BZ*

EID ENGINEERING DIVISION  
CONSTRUCTION INSPECTION REPORT

Submitted to Paul McGinnis, Water Supply Engineering

Project/Location <u>Gibbs Area Water Project,</u>	Report Date <u>8/27/82</u>
<u>Hobbs, Lea County</u>	Date of Inspection <u>8/26/82</u>
Project No. <u>WSC 80-20</u>	Report By <u>Percy F. Blair, P.E. PFB</u>
Contractor <u>Kent Nowlin Construction Co.</u>	Engineer <u>Brown &amp; King</u>
	% Complete <u>100</u>

Description of Project/Facility Status:

Final inspection was conducted at 2:00 p.m., 8/26/82 and attended by:

Ken Gleason, City of Hobbs  
Russell Doss, City of Hobbs  
Terry Brown, Brown, Henderson & Associates  
Jeanne Zoltai, Construction Grants Administrator, DFA  
Percy Blair

Entire scope of the project was discussed and As-Built plans were received. Actual construction had been inspected and approved previously by myself and engineers. Contractor has yet to repair a fence damaged during construction but city is withholding \$5,000.00 until repair is completed.

I recommend acceptance of this project as installed.

PFB/tkm

cc: John Guinn  
Tom Burt  
Hobbs Field Office  
File (2)

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AUG 30 1982  
HOBBS OFFICE JS

EID ENGINEERING DIVISION  
CONSTRUCTION INSPECTION REPORT

Submitted to Paul McGinnis

Project/Location Gibbs Area Water Project

Report Date April 29, 1982

Hobbs, Lea County

Date of Inspection April 28, 1982

Project No. WSC-80-20, Phase I

Report By Percy F. Blair, P.E. *PFB*

Contractor Kent Nowlin Construction Co.

Engineer Brown & King

% Complete 99

Description of Project/Facility Status:

Change order No. 2 is complete. Balance of project is fundamentally complete except contractor is still looking for and repairing leaks. No date has been set for a final inspection.

PFB/jw

cc: John E. Guinn, District Manager  
Thomas A. Burt, Jr., District Supervisor  
Hobbs EID Field Office  
File (2)

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APR 29 1982

HOBBS OFFICE *BE*

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EID ENGINEERING DIVISION  
CONSTRUCTION INSPECTION REPORT

02  
- 158

Project/Location Gibbs Area Water Project/

Report Date February 15, 1982

Hobbs, Lea County

Date of Inspection February 11, 1982

Project No. WSC-80-20, Phase I

Report By Percy F. Blair, P.E. PFB

Contractor Kent Nowlin Construction Co.

Engineer Brown & King

% Complete NA

Description of Project/Facility Status:

Work inspected with Red Pierce, Superintendent.

All new water line has been installed except for approximately 800 ft. on Carlton. Saddles were being welded on existing main on West Marland preparing for tie-ins. Hard rock being jack-hammered for Carlson line.

Pierce anticipates completion in about 6 weeks.

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs EID Field Office  
File

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SEP 11 1982  
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EID Engineering Division  
CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project, Hobbs, Report Date January 15, 1982

Lea County

Date of Inspection January 11, 1982

Project No. WSC-80-20, Phase I

Report By Percy F. Blair, P.E. PFB

Contractor Kent Nowlin Construction Co.

Engineer Brown & King

% Complete 50%

Description of Project/Facility Status:

Work inspected with Red Pierce, Superintendent.

Work is progressing rapidly. Contractor has brought in a large hydraulic backhoe and recent excavation has been soft loose caliche and sand. Approximately 10,000 ft. of 6" line is in place and backfilled, along with attendant fireplugs, but not pressure tested. Bedding technique is satisfactory.

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs EID Field Office  
File (2)

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JOE HOBBS  
OFFICE

CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project

Report Date December 3, 1981

Hobbs, Lea County

Date of Inspection November 30, 1981

Project No. WSC-80-20, Phases I & II

Report By Percy F. Blair, P.E.

Contractor Kent Nowlin Construction Co.

Engineer Brown & King

% Complete N.A.

Description of Project/Facility Status:

Inspected with:

Russell Doss, Assistant City Engineer, Hobbs  
Red Pierce, Superintendent, Kent Nowlin Construction Co.

Phase I:

Work has been resumed on line on Texas Street and easier trenching is being encountered. Workmanship is satisfactory. Contractor expects to stay on this phase of project until completed

Phase II:

All complete

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs EID Field Office  
File (2)

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CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project

Report Date November 9, 1981

Hobbs, Lea County

Date of Inspection November 5, 1981

Project No. WSC-80-20, Phases I & II

Report By Percy F. Blair, P.E. PFB

Contractor Kent Nowlin Const. Co.

Engineer Brown & King

% Complete N.A.

Description of Project/Facility Status:

Inspected with Brown Edwards, EID & Red Pierce, Superintendent.

Phase I:

Work has been temporarily halted to allow contractor to complete Continental - Broadway Place section of WSC-79-14-III. All of Texaco Road & Texas appears to be complete.

Phase II:

All work appears to be complete and lines in service.

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs EID Office  
File

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NOV 10 1981

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EID Engineering Division  
CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project; Report Date October 15, 1981  
Hobbs, Lea County Date of Inspection October 14, 1981  
Project No. WSC-80-20, Phase I & II Report By Percy F. Blair, P.E. PFB  
Contractor Kent Nowlin Construction Co. Engineer Brown & King  
% Complete N.A.

Description of Project/Facility Status:

Work is progressing very slowly. Line on Texaco Road is in and backfilled and approximately 900' is in and backfilled on Texas Street.

Contractor has used approximately 1/3 of allotted time but has only about 1/5 of the line in the ditch. Work done is satisfactory.

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs EID Field Office  
File (2)

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OCT 15 1981  
HOBBS OFFICE

RECEIVED  
SEP 07 1995  
UCD HOBBS  
OFFICE



EID Engineering Division

CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project

Report Date 8/28/81

Hobbs, Lea County

Date of Inspection 8/27/81

Project No. WSC-80-20, Phase II

Report By Percy F. Blair, P.E.

Contractor Kent Nowlin Construction Co.

Engineer Brown & West

% Complete N.A.

Description of Project/Facility Status:

Inspected with Brown Edwards.

Navajo Road line complete except for tie-in at Lovington Highway. Plans showed incorrect location of existing pipe; approximately 70' additional main needed. Additional quantity will be shown on final Change Order.

Work commencing on Dal Paso line: existing main located and ditcher in place set to start.

No work started on West Bender line.

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs Office  
Jeanne Zoltai  
File

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EID Engineering Division  
CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project Report Date 8/28/81  
Hobbs, Lea County Date of Inspection 8/27/81  
Project No. WSC-80-20, Phase I Report By Percy F. Blair, P.E.  
Contractor Kent Nowlin Construction Co. Engineer Brown & West  
% Complete N.A.

Description of Project/Facility Status:

Inspected with Terry Brown, Engineer, and Brown Edwards

Texaco Road only portion started, and little progress. Very hard caliche causes constant breakdowns on ditcher and numerous pipes in Right-of-Way delay further. Screenings from ditch being used for bedding.

West Marland line being flushed and tested.

PFB/jw

cc: John E. Guinn  
Thomas A. Burt, Jr.  
Hobbs Office  
Jeanne Zoltai  
File

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OCD HOBBS  
OFFICE

RECEIVED  
AUG 31 1981  
HOBBS OFFICE

## CONSTRUCTION INSPECTION REPORT

*21/11/81*  
*20*  
*2.5*

Project/Location Gibbs Area Water ProjectReport Date August 5, 1981Hobbs, Lea CountyDate of Inspection August 4, 1981Project No. WSC-80-20, Phase IIReport By Percy F. Blair, P.E. PFBContractor Kent Nowlin Construction Co.Engineer Brown & WestZ Complete 0

## Description of Project/Facility Status:

No work started on Bender, Dal Paso or Navajo Road; contractor concentrating on Phase I.

PFB/jw

cc: John E. Guinn  
Jeanne Zoltai  
Tom Burt  
Hobbs Office  
File

RECEIVED

AUG 11

HOBB.

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EID Engineering Division  
CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project

Report Date August 6, 1981

Hobbs, Lea County

Date of Inspection August 4, 1981

Project No. WSC-80-20, Phase I

Report By Percy F. Blair, P.E. PFB

Contractor Kent Nowlin Construction Co.

Engineer Brown & West

% Complete N.A.

**Description of Project/Facility Status:**

Inspected with Red Pierce, Superintendent.

Work started at Marland and Texaco Road, with approximately 400' of line installed. Progress is slow due to very difficult trenching in hard caliche and numerous pipelines crossing ditch

Sand is being hauled in for bedding - appears OK.

PFB/jw

cc: John E. Guinn  
Jeanne Zoltai  
Tom Burt  
Hobbs Office ✓  
File

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AUG 10

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EID Engineering Division  
CONSTRUCTION INSPECTION REPORT

C. F. Blair  
Percy F. Blair  
P.E.

Project/Location Gibbs Area Water Project

Report Date July 23, 1981

Hobbs, Lea County

Date of Inspection July 20, 1981

Project No. WSC-80-20, Phase II

Report By Percy F. Blair, P.E. PFB

Contractor Kent Nowlin Construction Co., Inc.

Engineer Brown & West

% Complete 0

Description of Project/Facility Status:

City has changed project:

Proposed 8" line on Calle Sur has been removed from the project. It has been installed as a 10" line by a subdivider who plans to develop area between Navajo Road and existing subdivision on Calle Sur.

City of Hobbs plans to submit a request for a change order to change 8" line on Navajo Road to 10" to connect with 10" line on Calle Sur.

No work started on Navajo Road, Bender or Dal Paso (Denver City Highway).

PFB/jw

cc: John E. Guinn  
Jeanne Zoltai  
Thomas A. Burt, Jr.  
Hobbs Office  
File

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EID Engineering Division  
CONSTRUCTION INSPECTION REPORT

Project/Location Carlsbad Highway Water Project, Report Date July 23, 1981  
Hobbs, Lea County Date of Inspection July 20, 1981  
Project No. WSC-79-14, Phase II Report By Percy F. Blair, P.E. PFB  
Contractor Kent Nowlin Const. Co. Engineer Brown & West  
% Complete 50

Description of Project/Facility Status:

Final 50 ft. of West Marland line being backfilled. Previous problem with bedding procedure has been corrected.

Loop on Continental and Broadway Place to be started immediately.

PFB/jw

cc: John E. Guinn  
Jeanne Zolati  
Thomas A. Burt, Jr.  
Hobbs Office  
File

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OFFICE

## CONSTRUCTION INSPECTION REPORT

Project/Location Gibbs Area Water Project, Report Date July 23, 1981  
Hobbs, Lea County Date of Inspection July 20, 1981  
Project No. WSC-80-20, Phase I Report By Percy F. Blair, P.E. PFB  
Contractor Kent Nowlin Construction Co., Inc. Engineer Brown & West  
% Complete 0

## Description of Project/Facility Status:

Engineer has staked part of line on Texaco Road; no actual construction started but due to start immediately.

jw

cc: John E. Guinn  
Jeanne Zoltai  
Thomas A. Burt, Jr.  
Hobbs Office  
File

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HOBBS OFFICE

Glenn Hobbler  
wates B

Description of Project/Facility Status:

Attended by:

jw

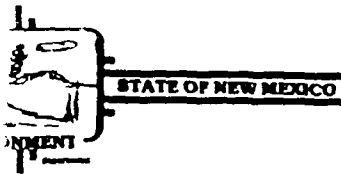
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JUL 7 1981

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OFFICE





# MEMORANDUM

DATE: January 30, 1981

Paul McGinnis, P.E.

Percy Blair, P.E. *RFB*

T: CARLSBAD HIGHWAY WATER PROJECT WSC-79-14, PHASE III

The location of this project was re-visited on January 29, 1981 and Polaroid snapshots taken (copies enclosed). As shown, the full length of the proposed line on the North side of Marland is solidly developed with industrial and commercial businesses and currently has no city water service. Many of the private wells and small community water systems are polluted. This line is badly needed.

Also shown is a view looking West on Broadway Pl. from its intersection with Broadway, showing industrial development on both sides of the street. Not shown is the large mobile home park at the intersection of Broadway Pl. and Continental. This entire area is presently without city water, and the new line is badly needed.

Cross-connection control would have to be exercised by the City of Hobbs, either by disconnection from present sources or installation of backflow preventors, or both.

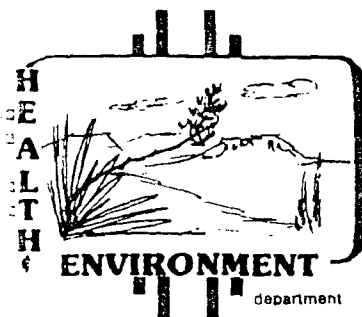
Jw

cc: John E. Guinn  
Tom Burt  
✓ Hobbs Office  
Jeanne Zoltai  
File

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SEP 07 1985  
UCC HOBBS  
JEFF

END

HOBBS OFFICE



**STATE OF NEW MEXICO**

ENVIRONMENTAL IMPROVEMENT DIVISION

406 North Guadalupe

Carlsbad, NM 88220 (505) 885-9023

Thomas E. Baca, M.P.H., Director

Bruce King  
GOVERNOR

George S. Goldstein, Ph.D.  
SECRETARY

Larry J. Gordon, M.S., M.P.H.  
DEPUTY SECRETARY

November 14, 1979

City of Hobbs  
P. O. Box 1117  
Hobbs, NM 88240

ATTENTION MR. KEN GLEASON, ADMINISTRATIVE ASSISTANT

Gentlemen:

In reply to your inquiry as to the quality of water in private wells located in the western edge of Hobbs and more specifically, the area locally known as the Gibbs Addition, the following is submitted for your information.

It is the policy of our Division to sample private well water systems upon request from the owners. In this particular instance, no effort was made to conduct a comprehensive environmental survey of the area, but rather to respond to requests from the residents. This, together with our personal knowledge of the area, has given us cause to become quite concerned about the possibility of an outbreak of water-borne disease in the Gibbs Addition of Hobbs. Personnel from this office have monitored water wells in this area for the past several years, even prior to the sample data enclosed, and we feel no hesitancy in declaring that an eminent health threat now exists for the residents of this area.

The Gibbs Addition is an area which is not served by public water supply nor by a sanitary sewer. Thus, it has grown into an area which has private wells and private sewage systems on small lots. Many of the individual wells are located near improperly constructed individual liquid waste systems--cesspools and septic tanks. This condition leads to potential contamination from human wastes, which, in turn, increases the potential for disease in the residents.

A review of our records of bacteriological samples from the Gibbs Addition private water wells from February, 1977 through September, 1979 discloses some startling evidence to substantiate this statement. As noted in the attached summary of those sample reports (from the Gibbs area only), of the twenty-six (26) samples collected, more than 80% exceed the limits for bacteria as required for public water systems, while twelve (12) of those--46% of the total--were so heavily contaminated as to be reported from the laboratory as being in excess of the number of bacteria which can be accurately counted.

In the way of explanation, these samples are analyzed by the New Mexico Scientific Laboratory Division for coliform bacteria. These bacteria, of themselves, are not considered to be disease-causing organisms. However, since they originate in the intestinal tract of warm-blooded animals, they do serve to indicate that

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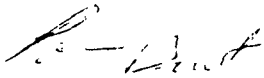
City of Hobbs  
November 14, 1979  
Page II

bacterial contamination is entering the water system. (Water from underground wells does not ordinarily contain any bacteria if properly protected.)

As can be seen by the above paragraph, the coliform bacteria can be easily associated with those which are capable of causing disease. Thus, you can appreciate our concern for the need to have a safe, dependable source of water for the Gibbs Addition area of Hobbs. We feel that the proposed public water system extensions by the City of Hobbs will significantly reduce or eliminate the potential for a serious water-borne disease outbreak and we encourage any assistance which may be provided to bring this about.

If you have any questions or if we can be of any service in this matter, please feel free to contact me in Carlsbad at 406 North Guadalupe, Phone (505) 885-9023 or in Hobbs at 300 North Linam, Phone (505) 393-2333.

Sincerely,



Tom Burt, District Supervisor

jm

Enclosure: Summary of Laboratory Reports

cc John E. Guinn, Environmental Manager, Roswell  
Francisco Garcia, Water Supply Section, E.I.D., Santa Fe  
Ivan Hall, SNMEDD, Roswell  
E.I.D. Office, Carlsbad  
File ✓

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SEP 07 1995  
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OFFICE

## WATER SAMPLES FOR COLIFORM BACTERIA

GIBBS ADDITION

HOBBS, N. M.

**RECEIVED**  
 SEP 8 1977  
 COO LHM  
 GEE

C. G. = Confluent Growth

&gt; = Greater Than

TNTC = Too Numerous To Count

DATE	NAME	ADDRESS	LAB REPORT	COMMENTS
2-23-77	Shed Sign Company	1700 West Marland	4	
8-9-77	John Stinson, Jr.	3415 West Midwest	25	
8-23-77	Lewis Wright	2701 West Marland	28	Lab report also indicates excessive non-coliform bacteria
9-14-77	John Stinson, Jr.	3415 West Midwest	C. G.	Sample after disinfecting with chlorine bleach
9-27-77	J. D. Stinson, Sr.	3505 West Midwest	11	Lab report also indicated confluent growth of non-coliform bacteria tested after disinfection
10-08-77	J. D. Stinson, Jr.	3505 West Midwest	C. G.	After disinfection
11-02-77	C. W. Ely (Westward Trailer Park)	2921 West Marland	8	" "
11-02-77	" " " "	" " "	11	" "
11-17-77	" " " "	" " "	27	" "
11-21-77	J. D. Stinson, Sr.	3505 West Midwest	> 80	" "
11-29-77	B. R. Bradshaw	1129 South Edwards	> 80	Also excessive non-coliform bacteria

## WATER SAMPLES FOR COLIFORM BACTERIA

GIBBS ADDITION

HOBBS, N. M.

**RECEIVED**  
 SEP 07 1995  
 UCD HUBB  
 RECEIVED

C. G. = Confluent Growth

&gt; = Greater Than

TNTC = Too Numerous To Count

TE	NAME	ADDRESS	LAB REPORT	COMMENTS
1-29-78	B. R. Bradshaw	1129 South Edwards	C. G.	After disinfection
2-27-78	George Barshears	Carlsbad Hwy. (U.S. 62-180)	8	Petroleum also suspected, n lab confirmed
3-28-78	C. K. Phillips	808 Texaco	0	
(2-19-77)	C. W. Ely (Westward Trailer Park)	2921 West Marland	0	These samples collected aft permanent chlorinator was i stalled on system
(12-19-77)	" " " "	" " "	0	
1-31-79	P. R. Wilson	2623 1/2 West Marland	0	
6-26-79	Hickey	3300 West Marland	C. G.	
7-23-79	"	" " "	C. G.	Taken from same sample pair other bacteria "citrobacter isolated also in one of the samples
7-23-79	"	" " "	C. G.	
7-23-79	"	" " "	C. G.	
7-02-79	B. J. Smith	1007 South Grimes	32	
8-06-79	B. J. Smith	1007 South Grimes	0	TNTC Non-Coliforms (after d infection of well)

## WATER SAMPLES FOR COLIFORM BACTERIA

## GIBBS ADDITION

HOBBS, N. M.

C. G. = Confluent Growth

&gt; = Greater Than

TNTC = Too Numerous To Count

DATE	NAME	ADDRESS	LAB REPORT	COMMENTS
8-07-79	J. D. Stinson, Sr.	3505 West Midwest	C. G.	
9-18-79	J. D. Stinson, Sr.	" " "	C. G.	
9-18-79	J. D. Stinson, Jr.	3415 West Midwest	C. G.	
TOTAL = 26 Samples (in Gibbs Addition) (80.77%) 21 Exceed recommended limits for public water supplies (46.15%) 12 had an overgrowth or too many bacteria to accurately count				

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SEP 07 1995  
HOBBS  
OFFICE

Page 1 of 2

QUARTER	HOURS
HOURS	
FACILITY	
CLASSIFICATION	
INSPECTION	

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

**Signature**

W	0	0	2	0
---	---	---	---	---

9/1/95 - LOR ROBERTS WATER WELL

807 RASH - HOBBS N.M.

SAMPLED WATER FROM SPIGOTS:-

CITY OF HEBBS RAN FIELD TEST

For BTEX  $\approx .6 \text{ mg/l}$  using

DTech Mt TK-1003-1

9/6/95 - SAMPLED TOP of WATER TBL USING

PLASTIC DISPOSABLE BAILER WITH MP.

ROBERTS - RESULTS: WATER CLEAR, MODERATE

HYDROCARBON SMELL, PID (PTEX-HEADSPACE)  $\approx 220$  ppb

CL<sup>-</sup> = 35 ppm TDS = 800 with HOS - RAN BLANK PID ≈ 2 ppm

**Hours**

**UIC**

**RFA**

**Other**

**NATURE OF SPECIFIC WELL  
OR FACILITY INSPECTED**

**U** = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SWD, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)

**R** = Inspections relating to Reclamation Fund Activity

**O** = Other - Inspections not related to injection or The Reclamation Fund

**E** - Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

D = Drilling  
P = Production  
I = Injection  
C = Combined prod. inj.  
operations  
S = SWD  
U = Underground Storage  
G = General Operation  
F = Facility or location  
M = Meeting  
O = Other

NEW MEXICO OIL CONSERVATION COMMISSION  
FIELD TRIP REPORT

INSPECTION	CLASSIFICATION	FACILITY	HOURS	QUARTER HOURS
------------	----------------	----------	-------	---------------

Name WAYNE PRICE Date \_\_\_\_\_ Miles \_\_\_\_\_ District I  
Time of Departure 7 AM Time of Return 4 PM Car No. G 0472

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature \_\_\_\_\_

WATER WELL LOCATED INSIDE SMALL STORAGE  
SHED - CASING ON WELL IS FLUSH WITH FLOOR  
RECOMMENDED THAT CASING BE EXTENDED  
UP TO PREVENT RAIN WATER, FLOODS ETC  
FROM ENTERING WELL-BORER; ALSO  
RECOMMENDED THAT MR. ROBERTS SHOULD  
THINK ABOUT CONNECTING TO CITY OF  
HOBBS FRESH WATER LINE.

*Wayne Price*

Mileage

UIC \_\_\_\_\_  
RFA \_\_\_\_\_  
Other \_\_\_\_\_

Per Diem

UIC \_\_\_\_\_  
RFA \_\_\_\_\_  
Other \_\_\_\_\_

Hours

UIC \_\_\_\_\_  
RFA \_\_\_\_\_  
Other \_\_\_\_\_

TYPE INSPECTION  
PERFORMED

H = Housekeeping  
P = Plugging  
C = Plugging Cleanup  
T = Well Test  
R = Repair/Workover  
F = Waterflow  
M = Mishap or Spill  
W = Water Contamination  
O = Other

INSPECTION  
CLASSIFICATION

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OR FACILITY INSPECTED

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O = Other

E = Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)





CITY OF HOBBS  
300 N. Turner  
Hobbs, NM 88240  
Lab # 9411

# MICROBIOLOGICAL WATER REPORT

Time Test Began 12:30 ~~11:55 AM~~ Date 8-29-95 ~~8-29-95~~  
Time Test Ended 1:30 ~~11:00 AM~~ Date 8-30-95 ~~8-29-95~~

Date Received 8-29-95  
Time Received 11:09  
Received by TS

SAMPLE IDENTIFICATION			TESTING REQUIRED	
Quality Control No. <u>95 H 37</u>		County <u>LEA</u>	<input type="checkbox"/> MF-Total Coliform <input checked="" type="checkbox"/> MMO MUG-Total Coliform	
Water Supply System Name <u>LEE ROBERTS</u> <u>807 RASH - HOBBS</u>		WSS Code No.	LABORATORY TEST RESULTS	
COLLECTION INFORMATION				
Date Collected Mo. Day Yr.	Time Collected <u>11:00AM</u>	Collected By <u>WAYNE PRICE</u>	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Present
<u>8 29 95</u>	Collection Point <u>WATER WELL SIPPER</u>		Fecal Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	E. coli / 100 ml <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Present
	TYPE OF SYSTEM		INVALID SAMPLE	
Check One <input type="checkbox"/> Public Non-Community <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Public Community <input checked="" type="checkbox"/> Private Well Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No Residual: _____ mg / l (required for fecal test)		If one of the following is checked, resample. <input type="checkbox"/> TNTC Non-Coliforms <input type="checkbox"/> Confluent Growth		
REASON FOR SAMPLING		REJECTED SAMPLE		
Check One <input type="checkbox"/> Routine Sample <input checked="" type="checkbox"/> Special Sample <input type="checkbox"/> Check Sample <input type="checkbox"/> Monitor Sample		If one of the following is checked, resample. <input type="checkbox"/> Sample too old. <input type="checkbox"/> Temperature violation. (above 10° C) <input type="checkbox"/> Form incomplete. See circled item. <input type="checkbox"/> Date discrepancy. <input type="checkbox"/> Leaking Sample. <input type="checkbox"/> Quantity insufficient for testing. <input type="checkbox"/> Quantity too great to permit agitation. <input type="checkbox"/> Turbid sample. <input type="checkbox"/> Other _____		
		FOR INTERPRETATION OF RESULTS CALL THE NEW MEXICO ENVIRONMENT DEPARTMENT AT 393-4302.		

NOTE: FLAMED END of SIPPER / USED GLOVES / ICE SAMPLE

SEND REPORT AND BILL TO THE FOLLOWING:

NAME MR WAYNE PRICE  
COMPANY NM OIL CONSERVATION DIV  
ADDRESS 1000 W BROADWAY

PHONE 505-393-6161

Tom Smith  
Bacteriologist

A FEE OF \$10.00 PLUS TAX IS CHARGED FOR  
EACH TEST.

OFFICE USE ONLY

ACCT. #

Called Lee Roberts on  
referred 393-9697 - I will  
call Alex Turner!

NITROGEN, NITRATE, HIGH RANGE

500.0 nm

NitraVer 5 Accu

Lee Roberts - 807 Rash as per Wayne Price (NMCD)

Tom Smith

07/11/1995 - 4:08 PM

Sample	Value	Comment
=====	=====	=====
1	0.0 mg/L	Blank
2	2.1 mg/L	Sample

## INVOICE

## UTILITY DIVISION — CITY OF HOBBS

Phone (505) 397-9216

300 North Turner

HOBBS, NEW MEXICO 88240

SEP 13 1995

ACCT # 2000420

Wayne Price  
New Mexico Oil Conservation  
1000 W. Broadway  
Hobbs, NM 88240

INVOICE

104915

DATE

09-06-1995

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
1	Water test-807 Rash Lee Roberts 08-29-95	10.00	10.00
		SUBTOTAL	\$10.00
		TAX	0.60
		TOTAL	\$10.60
		SEP 28 1995	Noticed

TO INSURE PROPER CREDIT, PLEASE PUT INVOICE NUMBER AND LOCATION TESTED ON YOUR CHECK.  
PLEASE RETURN ONE COPY OF INVOICE WITH PAYMENT. THANK YOU.

CC: 3LWIA  
10/3/95



CITY OF HOBBS  
300 N. Turner  
Hobbs, NM 88240  
Lab # 9411

# MICROBIOLOGICAL WATER REPORT

Time Test Began 12:30 8-29-95  
1300 8-29-95  
Time Test Ended 1300 8-30-95

Date Received 8-29-95  
Time Received 11:09  
Received by TS

SAMPLE IDENTIFICATION			TESTING REQUIRED	
Quality Control No. <u>95 H 37</u>		County <u>LEA</u>	<input type="checkbox"/> MF-Total Coliform <input checked="" type="checkbox"/> MMO MUG-Total Coliform	
Water Supply System Name <u>LEE ROBERTS</u> <u>807 RASH - HOBBS</u>		WSS Code No.	LABORATORY TEST RESULTS	
COLLECTION INFORMATION			Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input checked="" type="checkbox"/> Present
Date Collected Mo. Day Yr. <u>8 29 95</u>	Time Collected <u>11:00AM</u>	Collected By <u>WAYNE PRICE</u>	Fecal Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	E. coli / 100 ml <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Present
Collection Point <u>WATER WELL SIPPET</u>		INVALID SAMPLE		
TYPE OF SYSTEM		If one of the following is checked, resample. <input type="checkbox"/> TNTC Non-Coliforms <input type="checkbox"/> Confluent Growth		
Check One <input type="checkbox"/> Public Non-Community <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Public Community <input checked="" type="checkbox"/> Private Well Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No Residual: _____ mg / l (required for fecal test)		REJECTED SAMPLE		
REASON FOR SAMPLING		If one of the following is checked, resample. <input type="checkbox"/> Sample too old. <input type="checkbox"/> Temperature violation. (above 10° C) <input type="checkbox"/> Form incomplete. See circled item. <input type="checkbox"/> Date discrepancy. <input type="checkbox"/> Leaking Sample. <input type="checkbox"/> Quantity insufficient for testing. <input type="checkbox"/> Quantity too great to permit agitation. <input type="checkbox"/> Turbid sample. <input type="checkbox"/> Other _____		
Check One <input type="checkbox"/> Routine Sample <input checked="" type="checkbox"/> Special Sample <input type="checkbox"/> Check Sample <input type="checkbox"/> Monitor Sample		FOR INTERPRETATION OF RESULTS CALL THE NEW MEXICO ENVIRONMENT DEPARTMENT AT 393-4302.		

NOTE: FLAMED END of SIPPET / USDA GLOVES / ICE SAMPLE

SEND REPORT AND BILL TO THE FOLLOWING:

NAME WAYNE PRICE  
COMPANY NM OIL CONSERVATION DIV  
ADDRESS 1000 W BROADWAY  
PO Box 1980  
PHONE 505-393-6161

Tom Smith  
Bacteriologist

A FEE OF \$10.00 PLUS TAX IS CHARGED FOR  
EACH TEST.

OFFICE USE ONLY

ACCT. #

STATE OF  
NEW MEXICO  
OIL  
CONSERVATION  
DIVISION



MEMORANDUM OF MEETING OR CONVERSATION

☐ Telephone ☒ Personal

Time  
~ 9:50 AM

Date 8/28/75

Originating Party

Other Parties

LEE ROBERTS - 807 RASH HOBBS

Subject

WATER WELL

Discussion

MR. ROBERTS REQUESTED NMCD INVESTIGATE  
SOURCE OF CONTAMINATION

MR. ROBERTS: INDICATED NORRIS SUCKER POND  
CO. IS WASHING OFF PULS + WATER IS  
DISCHARGING TO GROUND.

Conclusions or Agreements

DISTRICT SUPERVISOR RE RECOMMEND RUN NITRATES  
DUE TO PREVIOUS NITRATE CONTAMINATION IN AREA!

Distribution CC: JERRY SEXTON  
ROGER ANDERSON

Signed

A handwritten signature, likely of Jerry Sexton, is written over the "Signed" line.

CC. JERRY SEXTON  
ROGER ANAFOLSC

NEW MEXICO OIL CONSERVATION COMMISSION  
FIELD TRIP REPORT

INSPECTION	CLASSIFICATION	FACILITY	HOURS	QUARTER
				HOURS

Name WAYNE PRICE Date 8/27/75 Miles \_\_\_\_\_ District I  
Time of Departure 7 AM Time of Return 4 PM Car No. G 047

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

Signature [Signature]

RE: LEE ROBERTS WATER WELL  
807 RASH HOBBS N.M.

TOOK WATER SAMPLE - city  
of HOBBS TO RUN NO<sub>3</sub> & BIO-

Mileage

UIC \_\_\_\_\_  
RFA \_\_\_\_\_  
Other \_\_\_\_\_

Per Diem

UIC \_\_\_\_\_  
RFA \_\_\_\_\_  
Other \_\_\_\_\_

Hours

UIC \_\_\_\_\_  
RFA \_\_\_\_\_  
Other \_\_\_\_\_

TYPE INSPECTION  
PERFORMED

- H = Housekeeping
- P = Plugging
- C = Plugging Cleanup
- T = Well Test
- R = Repair/Workover
- F = Waterflow
- M = Mishap or Spill
- W = Water Contamination
- O = Other

INSPECTION  
CLASSIFICATION

- U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SND, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)
- R = Inspections relating to Reclamation Fund Activity
- O = Other - Inspections not related to injection or The Reclamation Fund
- E = Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

NATURE OF SPECIFIC WELL  
OR FACILITY INSPECTED

- D = Drilling
- P = Production
- I = Injection
- C = Combined prod. inj. operations
- S = SND
- U = Underground Storage
- G = General Operation
- F = Facility or location
- M = Meeting
- O = Other



CITY OF HOBBS  
300 N. Turner  
Hobbs, NM 88240  
Lab # 9411

# MICROBIOLOGICAL WATER REPORT

Date Received 5/29/95

Time Received 11:00 AM

Received by LS

Time Test Began 10:55 AM Date 5/29/95

Time Test Ended 11:00 AM Date 5/29/95

SAMPLE IDENTIFICATION			TESTING REQUIRED	
Quality Control No. <u>05 H 37</u>		County <u>LEA</u>	<input type="checkbox"/> MF-Total Coliform <input type="checkbox"/> MMO MUG-Total Coliform	
Water Supply System Name <u>LEE ROBERTS</u> <u>1807 RASH - HOBBS</u>		WSS Code No.	<b>LABORATORY TEST RESULTS</b>	
Date Collected Mo. Day Yr. <u>8 29 95</u>		Time Collected <u>11:00 AM</u>	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present
Collected By <u>WAYNE PRICE</u>		Collection Point <u>WATER WELL 5199E</u>	Fecal Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	E. coli / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present
<b>TYPE OF SYSTEM</b>			<b>INVALID SAMPLE</b>	
Check One <input type="checkbox"/> Public Non-Community <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Public Community <input checked="" type="checkbox"/> Private Well Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No Residual: _____ mg / l (required for fecal test)			If one of the following is checked, resample. <input type="checkbox"/> TNTC Non-Coliforms <input type="checkbox"/> Confluent Growth	
<b>REASON FOR SAMPLING</b>			<b>REJECTED SAMPLE</b>	
Check One <input type="checkbox"/> Routine Sample <input checked="" type="checkbox"/> Special Sample <input type="checkbox"/> Check Sample <input type="checkbox"/> Monitor Sample			If one of the following is checked, resample. <input type="checkbox"/> Sample too old. <input type="checkbox"/> Temperature violation. (above 10° C) <input type="checkbox"/> Form incomplete. See circled item. <input type="checkbox"/> Date discrepancy. <input type="checkbox"/> Leaking Sample. <input type="checkbox"/> Quantity insufficient for testing. <input type="checkbox"/> Quantity too great to permit agitation. <input type="checkbox"/> Turbid sample. <input type="checkbox"/> Other _____	
			<b>FOR INTERPRETATION OF RESULTS CALL THE NEW MEXICO ENVIRONMENT DEPARTMENT AT 393-4302.</b>	

NOTE: FLAMED SPA - A SIPPET / USED GLOVES / ICE SAMPLE

SEND REPORT AND BILL TO THE FOLLOWING:

NAME WM WAYNE PRICE

COMPANY NM OIL CONSERVATION DIV

ADDRESS 1000 W BRADWAY

PHONE 505-393-6161

Bacteriologist \_\_\_\_\_

A FEE OF \$10.00 PLUS TAX IS CHARGED FOR EACH TEST.

OFFICE USE ONLY

ACCT. # \_\_\_\_\_

CC: ROGER AMERSON  
BILL OLSON  
JERRY SEBASTON  
MILEAGE:

UIC: \_\_\_\_\_  
OTHER: \_\_\_\_\_

OIL CONSERVATION DIVISION  
COMPLAINT FORM

PERSON COMPLAINING:

NAME: LEE ROBERTS  
ADDRESS: 807 RASH  
HOBBS N.M. 88240

INFORMATION TAKEN BY:

TAKEN BY: WAYNE PRICE  
DATE: 8/14/95 TIME: 2:30 PM  
IN PERSON: ✓ BY PHONE: \_\_\_\_\_

PHONE: 393-9697

COMPLAINT: WATER FROM WELL IS CONTAMINATED - NMEP REFUSED  
HIM TO NMOC.

COMMENTS: WATER HAS HYDROCARBON IN IT. BAD SMELL & TASTE  
WATER HAS BEEN GOOD IN PAST

- INVESTIGATION -

INVESTIGATOR: WAYNE PRICE - NMOC

DATE: 8/14/95

TIME: 3:15 PM

DESCRIBE INVESTIGATION AND FINDINGS: TOOK WATER SAMPLE AT  
WATER WELL TANK -

RESULTS OF FIELD TEST - TDS ~ 1100 UPPM,  
OL ~ 75 PPM ; PH 7-8  
BTEX (PID) MAX = 695 PPM (HEAD SPACE)  
OLFACTORY - SLIGHT TO MODERATE SMELL  
VISUAL - CLEAR WATER

WATER APPEARS TO BE CONTAMINATED WITH VOLATILE HYDROCARBON  
SOURCE UNKNOWN!!

- FOLLOW-UP -

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

ACTION TAKEN: \_\_\_\_\_

*Wayne Price*





Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107  
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 511344

December 22, 1995

New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Project Name/Number: ROBERTS WELL

Attention: Mark Ashley

On 11/15/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8010/8020 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

EPA method 300.0, 325.2, 340.2, 353.2, 150.1, 375.2 and 160.1 analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill  
Project Manager

H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure



Analytical**Technologies**, Inc.

CLIENT : NMOCD  
PROJECT # : (NONE)  
PROJECT NAME : ROBERTS WELL

DATE RECEIVED : 11/15/95

REPORT DATE : 12/22/95

ATI ID: 511344

	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	511344-01	1540111495	AQUEOUS	11/18/95

---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
AQUEOUS	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



Analytical**Technologies**,Inc.

# GENERAL CHEMISTRY RESULTS

ATI I.D. : 511832

CLIENT : ANALYTICAL TECHNOLOGIES OF NM, INC.  
PROJECT # : 511344  
PROJECT NAME : ROBERTS WELL

DATE RECEIVED : 11/17/95  
REPORT DATE : 12/22/95

PARAMETER	UNITS	01
CARBONATE (CACO3)	MG/L	<1
BICARBONATE (CACO3)	MG/L	367
HYDROXIDE (CACO3)	MG/L	<1
TOTAL ALKALINITY (AS CACO3)	MG/L	367
BROMIDE (EPA 300.0)	MG/L	0.4
CHLORIDE (EPA 325.2)	MG/L	126
CONDUCTIVITY, (UMHOS/CM)		944
FLUORIDE (EPA 340.2)	MG/L	1.41
NO2/NO3-N, TOTAL (353.2)	MG/L	1.1
PH (EPA 150.1)	UNITS	7.2
SULFATE (EPA 375.2)	MG/L	76
T. DISSOLVED SOLIDS (160.1)	MG/L	670



Analytical Technologies, Inc.

## GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : ANALYTICAL TECHNOLOGIES OF NM, INC.

PROJECT # : 511344

PROJECT NAME : ROBERTS WELL

ATI I.D. : 511832

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CARBONATE	MG/L	51177005	<1	<1	NA	NA	NA	NA
BICARBONATE	MG/L		663	662	0.2	NA	NA	NA
HYDROXIDE	MG/L		<1	<1	NA	NA	NA	NA
TOTAL ALKALINITY	MG/L		663	662	0.2	NA	NA	NA
BROMIDE	MG/L	51183201	0.4	0.5	22	2.8	2.0	120
CHLORIDE	MG/L	51181102	610	630	3	1150	500	108
CONDUCTIVITY (UMHOS/CM)		51187001	10700	10800	0.9	NA	NA	NA
FLUORIDE	MG/L	51183201	1.41	1.40	0.7	2.80	1.40	99
NITRITE/NITRATE-N (TOT	MG/L	51249903	0.29	0.29	0	2.32	2.00	102
PH	UNITS	51177005	6.0	6.0	0	NA	NA	NA
SULFATE	MG/L	51178605	150	150	0	350	200	100
TOTAL DISSOLVED SOLIDS	MG/L	51183201	670	670	0	NA	NA	NA

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



Analytical**Technologies**, Inc.

TOTAL POTASSIUM  
MODIFIED METHOD 6010

Lab Name: Analytical Technologies of Colorado, Inc.  
Client Name: ATI-NM  
Client Project ID: Roberts Well - NMO  
Work Order Number: 95-11-163

Sample Matrix: Aqueous

Date Collected: 11/14/95  
Prep Date: 11/21/95  
Date Analyzed: 11/21/95

Analyte	Client Sample ID	Lab Sample ID	Concentration mg/L	Detection Limit mg/L
Potassium	Reagent Blank	RB 95-11-163	ND	1
Potassium	1540111495	95-11-163-01	3	1

ND = NOT DETECTED



Analytical**Technologies**,Inc.

TOTAL POTASSIUM  
MATRIX SPIKE

Lab Name: Analytical Technologies Inc.  
Client Name: ATI-NM  
Lab Sample ID: 95-11-163-01

Sample ID  
**1540111495**

Sample Matrix: Aqueous

Prep Date: 11/21/95  
Date Analyzed: 11/21/95

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% REC (limits 80-120%)	Flags
POTASSIUM	40	3	43	100	

Analyte	MSD Conc. mg/L	MSD % REC (limits 80-120%)	Relative % Difference (limits 0-20%)	Flags
POTASSIUM	3	43	100	

# TOTAL METALS



Analytical Technologies, Inc.

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project ID: Roberts Well - NMO

Lab Sample ID: 95-11-163-01

Sample Matrix: Aqueous

Sample ID

1540111495

Date Collected: 11/14/95

Prep Date: 11/21/95

Date Analyzed: 11/21/95

Analyte	Modified Method	Concentration mg/L	Detection Limit mg/L
Aluminum	6010	ND	0.2
Antimony	6010	ND	0.02
Arsenic	6010	ND	0.01
Barium	6010	0.1	0.1
Beryllium	6010	ND	0.005
Boron	6010	0.2	0.1
Cadmium	6010	ND	0.005
Calcium	6010	140	1
Chromium	6010	ND	0.01
Cobalt	6010	ND	0.01
Copper	6010	ND	0.01
Iron	6010	0.8	0.1
Lead	6010	ND	0.003
Magnesium	6010	25	1
Manganese	6010	0.14	0.01
Molybdenum	6010	ND	0.01
Nickel	6010	ND	0.02
Selenium	6010	ND	0.005
Silicon	6010	29	0.05
Silver	6010	ND	0.01
Sodium	6010	56	1
Thallium	6010	ND	0.01
Vanadium	6010	0.01	0.01
Zinc	6010	0.15	0.02

ND = Not Detected

# TOTAL METALS



Analytical Technologies, Inc.

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project ID: Roberts Well - NMO

Lab Sample ID: RB 95-11-163

Sample ID

Reagent Blank

Date Collected: N/A

Prep Date: 11/21/95

Date Analyzed: 11/21/95

Analyte	Modified Method	Concentration mg/L	Detection Limit mg/L
Aluminum	6010	ND	0.2
Antimony	6010	ND	0.02
Arsenic	6010	ND	0.01
Barium	6010	ND	0.1
Beryllium	6010	ND	0.005
Boron	6010	ND	0.1
Cadmium	6010	ND	0.005
Calcium	6010	ND	1
Chromium	6010	ND	0.01
Cobalt	6010	ND	0.01
Copper	6010	ND	0.01
Iron	6010	ND	0.1
Lead	6010	ND	0.003
Magnesium	6010	ND	1
Manganese	6010	ND	0.01
Molybdenum	6010	ND	0.01
Nickel	6010	ND	0.02
Selenium	6010	ND	0.005
Silicon	6010	ND	0.05
Silver	6010	ND	0.01
Sodium	6010	ND	1
Thallium	6010	ND	0.01
Vanadium	6010	ND	0.01
Zinc	6010	ND	0.02

ND = Not Detected



# TOTAL METALS MATRIX SPIKE



Analytical Technologies, Inc.

Sample ID

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Lab Sample ID: 95-11-163-01

**1540111495**

Prep Date: 11/21/95

Date Analyzed: 11/21/95

Sample Matrix: Aqueous

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Aluminum	2.0	< 0.2	2.1	105	See note
Antimony	0.50	< 0.02	0.50	100	
Arsenic	2.0	< 0.01	2.1	105	
Barium	2.0	0.1	2.2	105	
Beryllium	0.050	< 0.005	0.050	100	
Boron	1.0	0.2	1.2	100	
Cadmium	0.050	< 0.005	0.050	100	
Calcium	40	140	180	100	
Chromium	0.20	< 0.01	0.20	100	
Cobalt	0.50	< 0.01	0.49	98	
Copper	0.25	< 0.01	0.26	104	
Iron	1.0	0.8	1.8	100	
Lead	0.50	< 0.003	0.49	98	
Magnesium	40	25	65	100	
Manganese	0.50	0.14	0.62	96	
Molybdenum	1.0	< 0.01	1.0	100	
Nickel	0.50	< 0.02	0.50	100	
Selenium	2.0	< 0.005	2.1	105	
Silicon	0.50	29	30	200	
Silver	0.20	< 0.01	0.19	95	
Sodium	40	56	96	100	
Thallium	2.0	< 0.01	2.0	100	
Vanadium	0.50	0.01	0.51	100	
Zinc	0.50	0.15	0.70	110	

Flags described on following page.

# TOTAL METALS MATRIX SPIKE DUPLICATE



Analytical **Technologies**, Inc.

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Lab Sample ID: 95-11-163-01

Sample ID

**1540111495**

Sample Matrix: Aqueous

Prep Date: 11/21/95

Date Analyzed: 11/21/95

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120%)	Relative % Difference (limits 0-20%)	Flags
Aluminum	2.1	105	0	See note
Antimony	0.51	102	2	
Arsenic	2.1	105	0	
Barium	2.2	105	0	
Beryllium	0.051	102	2	
Boron	1.2	100	0	
Cadmium	0.052	104	4	
Calcium	180	100	0	
Chromium	0.21	105	5	
Cobalt	0.51	102	4	
Copper	0.26	104	0	
Iron	1.8	100	0	
Lead	0.49	98	0	
Magnesium	66	103	2	
Manganese	0.64	100	3	
Molybdenum	1.0	100	0	
Nickel	0.52	104	4	
Selenium	2.2	110	5	
Silicon	30	200	0	
Silver	0.20	100	5	
Sodium	98	105	2	
Thallium	2.0	100	0	
Vanadium	0.52	102	2	
Zinc	0.64	98	9	

Note: Due to the large concentration of analyte in the sample, matrix spike recoveries may not be accurate. The Laboratory Control Sample (LCS) is included on a separate page to show that the digestion and analysis were in control.



Analytical **Technologies, Inc.**

**TOTAL METALS  
LABORATORY CONTROL SAMPLE**

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project ID: Roberts Well - NMO

Work Order Number: 95-11-163

Date Analyzed: 11/21/95

Analyte	LCS Result mg/L	LCS True Value mg/L	LCS % Recovery	Limits
Silicon	0.51	0.50	102	80 - 120%

## GAS CHROMATOGRAPHY RESULTS



Analytical Technologies, Inc.

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)  
 CLIENT : NMOCD ATI I.D.: 511344  
 PROJECT # : (NONE)  
 PROJECT NAME : ROBERTS WELL

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	1540111495	AQUEOUS	11/18/95	NA	11/23/95	20

PARAMETER	UNITS	01
<b>BENZENE</b>	<b>UG/L</b>	<b>1300</b> <sup>1.3</sup> <sub>.01</sub> <sup>.5</sup>
BROMODICHLOROMETHANE	UG/L	<4.0
BROMOFORM	UG/L	<10.0
BROMOMETHANE	UG/L	<20.0
CARBON TETRACHLORIDE	UG/L	<4.0
CHLOROBENZENE	UG/L	<10
CHLOROETHANE	UG/L	<10
CHLOROFORM	UG/L	<10
CHLOROMETHANE	UG/L	<20
DIBROMOCHLOROMETHANE	UG/L	<4.0
1,2-DIBROMOETHANE (EDB)	UG/L	<4.0
1,2-DICHLOROBENZENE	UG/L	<10
1,3-DICHLOROBENZENE	UG/L	<10
1,4-DICHLOROBENZENE	UG/L	<10
1,1-DICHLOROETHANE	UG/L	<6.0
1,2-DICHLOROETHANE (EDC)	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<4.0
CIS-1,2-DICHLOROETHENE	UG/L	<4.0
TRANS-1,2-DICHLOROETHENE	UG/L	<20
1,2-DICHLOROPROPANE	UG/L	<4.0
CIS-1,3-DICHLOROPROPENE	UG/L	<4.0
TRANS-1,3-DICHLOROPROPENE	UG/L	<4.0
<b>ETHYLBENZENE</b>	<b>UG/L</b>	<b>31</b> <sup>.031</sup> <sub>.76</sub>
METHYL-t-BUTYL ETHER	UG/L	<50
METHYLENE CHLORIDE	UG/L	<40
1,1,2,2-TETRACHLOROETHANE	UG/L	<4.0
TETRACHLOROETHENE	UG/L	<10
<b>TOLUENE</b>	<b>UG/L</b>	<b>59</b> <sup>.059</sup> <sub>.73</sub>
1,1,1-TRICHLOROETHANE	UG/L	<20
1,1,2-TRICHLOROETHANE	UG/L	<4.0
TRICHLOROETHENE	UG/L	<6.0
TRICHLOROFLUOROMETHANE	UG/L	<4.0
VINYL CHLORIDE	UG/L	<10
<b>TOTAL XYLENES</b>	<b>UG/L</b>	<b>570</b> <sup>.57</sup> <sub>.62</sub>

## SURROGATES:

BROMOCHLOROMETHANE (%)	99
TRIFLUOROTOLUENE (%)	100



Analytical**Technologies**, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 511344
BLANK I.D.	: 112295	MATRIX	: AQUEOUS
CLIENT	: NMOC	DATE EXTRACTED	: NA
PROJECT #	: (NONE)	DATE ANALYZED	: 11/22/95
PROJECT NAME	: ROBERTS WELL	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:

BROMOCHLOROMETHANE (%)	104
TRIFLUOROTOLUENE (%)	109



Analytical Technologies, Inc.

# GAS CHROMATOGRAPHY - QUALITY CONTROL

## MSMSD

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)  
MSMSD # : 51132801 ATI I.D. : 511344  
CLIENT : NMOC DATE EXTRACTED : NA  
PROJECT # : (NONE) DATE ANALYZED : 11/22/95  
PROJECT NAME : ROBERTS WELL SAMPLE MATRIX : AQUEOUS  
REF. I.D. : 51132801 UNITS : UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.5	10	9.0	90	9.2	92	2
CHLOROBENZENE	<0.5	10	8.6	86	9.7	97	12
1,1-DICHLOROETHENE	<0.2	10	8.2	82	8.0	80	2
TOLUENE	<0.5	10	9.1	91	9.6	96	5
TRICHLOROETHENE	<0.3	10	9.5	95	9.2	92	3

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

# POLYNUCLEAR AROMATIC HYDROCARBONS

Method 610



Analytical **Technologies, Inc.**

Lab Name: Analytical Technologies Inc.

Client Name: ATI-NM

Client Project ID: Roberts Well - NMO

Lab Sample ID: 95-11-163-01

Sample Matrix: Water

Cleanup: N/A

Sample ID

**1540111495**

Date Collected: 11/14/95

Date Extracted: 11/20/95

Date Analyzed: 11/22/95

Sample Volume: 1000 mL

Final Volume: 10 mL

Analyte	Conc (ug/L)	Detection Limit (ug/L)
Naphthalene	10	5.0
Acenaphthylene	3.3 J	10
1-Methylnaphthalene	ND	10
2-Methylnaphthalene	33	10
Acenaphthene	ND	10
Fluorene	ND	1.0
Phenanthrene	ND	0.50
Anthracene	ND	1.0
Fluoranthene	ND	1.0
Pyrene	ND	0.50
Benzo(a)anthracene	ND	0.50
Chrysene	ND	0.50
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Dibenzo(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	1.0
Indeno(1,2,3-c,d)pyrene	ND	1.0

## SURROGATE RECOVERY

Analyte	% Recovery	% Rec Limits
2-Chloroanthracene	70	34 - 120

ND = Not Detected at or above client requested detection limit.

J = Estimated value. Below detection limits.

# POLYNUCLEAR AROMATIC HYDROCARBONS

Method 610



Analytical **Technologies, Inc.**

Lab Name: Analytical Technologies Inc.

Client Name: ATI-NM

Client Project ID: Roberts Well - NMO

Lab Sample ID: WRB1 11/20/95

Sample Matrix: Water

Cleanup: N/A

Sample ID

**Reagent Blank**

Date Collected: N/A

Date Extracted: 11/20/95

Date Analyzed: 11/22/95

Sample Volume: 1000 mL

Final Volume: 1 mL

Analyte	Conc (ug/L)	Detection Limit (ug/L)
Naphthalene	ND	0.50
Acenaphthylene	ND	1.0
1-Methylnaphthalene	ND	1.0
2-Methylnaphthalene	ND	1.0
Acenaphthene	ND	1.0
Fluorene	ND	0.10
Phenanthrene	ND	0.050
Anthracene	ND	0.10
Fluoranthene	ND	0.10
Pyrene	ND	0.050
Benzo(a)anthracene	ND	0.050
Chrysene	ND	0.050
Benzo(b)fluoranthene	ND	0.10
Benzo(k)fluoranthene	ND	0.050
Benzo(a)pyrene	ND	0.050
Dibenzo(a,h)anthracene	ND	0.10
Benzo(g,h,i)perylene	ND	0.10
Indeno(1,2,3-c,d)pyrene	ND	0.10

## SURROGATE RECOVERY

Analyte	% Recovery	% Rec Limits
2-Chloroanthracene	90	34 - 120

ND = Not Detected at or above client requested detection limit.



# POLYNUCLEAR AROMATIC HYDROCARBONS BLANK SPIKE

Method 610



Analytical Technologies, Inc.

Lab Name: Analytical Technologies Inc.

Lab Sample ID: WBS1,2 11/20/95

Client Name: ATI-NM

Date Extracted: 11/20/95

Client Project ID: Roberts Well - NMO

Date Analyzed: 11/22/95

Sample Matrix: Water

Sample Volume: 1000 mL

Final Volume: 1 mL

Analyte	Spike Added (ug/L)	BS Concentration (ug/L)	BS Percent Recovery	QC Limits % Rec
Acenaphthylene	10	6.96	70	36 - 113
Phenanthrene	1.0	0.866	87	30 - 114
Pyrene	1.0	0.966	97	43 - 108
Dibenzo(a,h)anthracene	1.0	0.848	85	42 - 111
Benzo(k)fluoranthene	0.25	0.228	91	35 - 104

Analyte	Spike Added (ug/L)	BSD Concentration (ug/L)	BSD Percent Recovery	RPD	QC Limits RPD
Acenaphthylene	10	6.67	67	4	20
Phenanthrene	1.0	0.845	85	2	20
Pyrene	1.0	0.971	97	0.5	20
Dibenzo(a,h)anthracene	1.0	0.832	83	2	20
Benzo(k)fluoranthene	0.25	0.227	91	0.6	20

## SURROGATE RECOVERY BS/BSD

Analyte	% Recovery(BS)	% Recovery(BSD)	% Rec Limits
2-Chloroanthracene	90	86	34 - 120



Analytical Technologies, Inc., Albuquerque, NM  
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

# CHAIN OF CUSTODY

DATE: 11-14-95 PAGE 1 OF 1

ATI LAB I.D.  
S11344

## ANALYSIS REQUEST

PROJECT MANAGER: MARK ASHLEY

COMPANY: A/MCO

ADDRESS:

PHONE: (505) 827-7155

FAX: (505) 827-8177

BILL TO: A/MCO

COMPANY:

ADDRESS:

SAMPLE ID DATE TIME MATRIX LAB ID

154011495 11-14-95 3:40PM WATER - 01

Petroleum Hydrocarbons (418.1)  
(MOD 8015) Gas/Diesel  
Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)  
BTXE/MTBE (8020)  
Chlorinated Hydrocarbons (601/8040)  
Aromatic Hydrocarbons (602/8020)  
SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.  
Pesticides/PCB (608/8080)  
Herbicides (615/8150)  
Base/Neutral/Acid Compounds GC/MS (625/8270)  
Volatile Organics GC/MS (624/8240)  
Polynuclear Aromatics (610/8310)  
NITRATE/NITRITE  
SDWA Primary Standards - Arizona  
SDWA Secondary Standards - Arizona  
SDWA Primary Standards - Federal  
SDWA Secondary Standards - Federal  
GENERAL CHEM  
METALS  
The 13 Priority Pollutant Metals  
RCRA Metals by Total Digestion  
RCRA Metals by TCLP (1311)

NUMBER OF CONTAINERS

## PROJECT INFORMATION

## SAMPLE RECEIPT

PROJ. NO.: NO. CONTAINERS: 8

PROJ. NAME: ROBERTS WELL CUSTODY SEALS: Q/N/NA

P.O. NO.: RECEIVED INTACT: Y

SHIPPED VIA: RECEIVED COLD: Y

## PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments:

## SAMPLED & RELINQUISHED BY: 1.

## RELINQUISHED BY: 2.

## RELINQUISHED BY: 3.

Signature: [Signature] Time: 5:00 PM

Printed Name: MARK ASHLEY Date: 11-15-96

Company: A/MCO Phone: 827-7155

RECEIVED BY: 1. Signature: Time: 1.

Printed Name: Date: 1.

Company: 1.

RECEIVED BY: 2. Signature: Time: 2.

Printed Name: Date: 2.

Company: 2.

RECEIVED BY: (LAB) 3. Signature: Time: 3.

Printed Name: Date: 3.

Company: 3.

02/30/95 ATT Labs: San Diego (619) 458-9141 • Phoenix (602) 436-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary, ATT Pink - ORIGINAL





OIL CONSERVATION DIVISION  
RECEIVED

'95 AUG 11 AM 8 52

CC: ROGER ANDERSON  
BILL OLSON  
TERRY SEBASTON  
MILEA

UIC: \_\_\_\_\_  
OTHER: \_\_\_\_\_

OIL CONSERVATION DIVISION  
COMPLAINT FORM

PERSON COMPLAINING:

NAME: LEE ROBERTS 325-0677 (H)  
ADDRESS: 807 RASH  
HOBBS N.M. 88290

INFORMATION TAKEN BY:

TAKEN BY: WAYNE PRICE  
DATE: 8/14/95 TIME: 2:30 PM  
IN PERSON: ✓ BY PHONE: \_\_\_\_\_

PHONE: 393-9677

COMPLAINT: WATER FROM WELL IS CONTAMINATED - NMEP REFUSES  
HM TO NMOCN.

COMMENTS: WATER HAS HYDROCARBON IN IT. BAD SMELL & TASTE  
WATER HAS BEEN GOOD IN PAST

- INVESTIGATION -

INVESTIGATOR: WAYNE PRICE - NMOCN

DATE: 8/14/95

TIME: 3:15 PM

DESCRIBE INVESTIGATION AND FINDINGS: TOOK WATER SAMPLE AT

WATER WELL TANK -

RESULTS OF FIELD TEST -

TDS ~~~~~ HOBBS 1100 UMG/OS,

OL ~~~~~ 75 PPM ; PH 7-8

BTEX (PID) MAX = 695 PPM (HEAD SPACE)

OLFACTORY - SLIGHT TO MODERATE SMELL

VISUAL - CLEAR WATER

WATER APPEARS TO BE CONTAMINATED WITH VOLATILE HYDROCARB.  
SOURCE UNKNOWN!!

- FOLLOW-UP -

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

ACTION TAKEN: 501 572

\*ATTACH ADDITIONAL SHEETS, IF NECESSARY

*Wayne Price*

CONSERVATION DIVISION  
RECEIVED

SEP 5 AM 8 52

TO: BILL OLSON  
NMCCD

STATE OF  
NEW MEXICO  
OIL  
CONSERVATION  
DIVISION



MEMORANDUM OF MEETING OR CONVERSATION

☐ Telephone ☒ Personal

Time  
9:15 PM

Date  
8/28/75

Originating Party

Other Parties

LEE ROBERTS - 807 RASH HILLS

Subject

WATER WELL

Discussion

MR ROBERTS REQUESTED NMCCD INVESTIGATE  
SOURCE OF CONTAMINATION

MR. ROBERTS: INDICATED MORRIS SUTHER ROP  
CO. IS WASHING OFF PILES & WATER IS  
DISCHARGING TO GROUND.

Conclusions or Agreements

DISTRICT SUPERVISOR RECOMMEND RUN NITRATES  
DUE TO PREVIOUS NITRATE CONTAMINATION IN AREA!

Distribution CC: JERRY SEXTON  
RASH ANDERSON

Signed

*[Signature]*

NEW MEXICO OIL CONSERVATION COMMISSION  
FIELD TRIP REPORT

INSPECTION	CLASSIFICATION	FACILITY	HOURS	QUARTER HOURS	FIELD TRIP REPORT												
					<p>Name <u>WAYNE PRICE</u> Date <u>8/29/95</u> Miles <u>      </u> District <u>I</u></p> <p>Time of Departure <u>7 AM</u> Time of Return <u>4 PM</u> Car No. <u>G 02</u></p> <p>In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.</p> <p>Signature <u>[Signature]</u></p>												
					<p>RE: LEE ROBERTS WATER WELL</p> <p>807 RASH HOBBS N.M.</p> <p>TOOK WATER SAMPLE - city</p> <p>of HOBBS TO RUN NO<sub>3</sub> &amp; BIO -</p>												
					<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"><u>Mileage</u></td> <td style="width: 33%;"><u>Per Diem</u></td> <td style="width: 33%;"><u>Hours</u></td> </tr> <tr> <td>UIC <u>                    </u></td> <td>UIC <u>                    </u></td> <td>UIC <u>                    </u></td> </tr> <tr> <td>RFA <u>                    </u></td> <td>RFA <u>                    </u></td> <td>RFA <u>                    </u></td> </tr> <tr> <td>Other <u>                    </u></td> <td>Other <u>                    </u></td> <td>Other <u>                    </u></td> </tr> </table>	<u>Mileage</u>	<u>Per Diem</u>	<u>Hours</u>	UIC <u>                    </u>	UIC <u>                    </u>	UIC <u>                    </u>	RFA <u>                    </u>	RFA <u>                    </u>	RFA <u>                    </u>	Other <u>                    </u>	Other <u>                    </u>	Other <u>                    </u>
<u>Mileage</u>	<u>Per Diem</u>	<u>Hours</u>															
UIC <u>                    </u>	UIC <u>                    </u>	UIC <u>                    </u>															
RFA <u>                    </u>	RFA <u>                    </u>	RFA <u>                    </u>															
Other <u>                    </u>	Other <u>                    </u>	Other <u>                    </u>															

**TYPE INSPECTION  
PERFORMED**

H = Housekeeping  
P = Plugging  
C = Plugging Cleanup  
T = Well Test  
R = Repair/Workover  
F = Waterflow  
M = Mishap or Spill  
W = Water Contamination  
O = Other

**INSPECTION  
CLASSIFICATION**

**U** = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SND, 2ndry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)

**R** = Inspections relating to Reclamation Fund Activity

**O** = Other - Inspections not related to injection or The Reclamation Fund

---

**E** = Indicates some form of enforcement action taken in the field (show immediately below the letter U, R or O)

**NATURE OF SPECIFIC WELL  
OR FACILITY INSPECTED**

D = Drilling  
P = Production  
I = Injection  
C = Combined prod. inj. operations  
S = SWD  
U = Underground Storage  
G = General Operation  
F = Facility or location  
M = Meeting  
O = Other





CITY OF HOBBS  
300 N. Turner  
Hobbs, NM 88240  
Lab # 9411

# MICROBIOLOGICAL WATER REPORT

Time Test Began 8:30 AM Date 11/1/95

Date Received \_\_\_\_\_

Time Received \_\_\_\_\_

Time Test Ended 10:00 AM Date \_\_\_\_\_

Received by \_\_\_\_\_

SAMPLE IDENTIFICATION			TESTING REQUIRED	
Quality Control No. <u>25 N 27</u>	County <u>LEA</u>		<input type="checkbox"/> MF-Total Coliform <input type="checkbox"/> MMO MUG-Total Coliform	
Water Supply System Name <u>LEE ROBERTS</u> <u>207 WASH HOBBS</u>			WSS Code No.	
COLLECTION INFORMATION			LABORATORY TEST RESULTS	
Date Collected Mo. Day Yr. <u>11 29 95</u>	Time Collected <u>11:00 AM</u>	Collected By <u>WAYNE PRICE</u>	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	Total Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present
Collection Point <u>WATER WELL SIPPED</u>			Fecal Coliforms / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present	E. coli / 100 ml <input type="checkbox"/> Absent <input type="checkbox"/> Present
TYPE OF SYSTEM			INVALID SAMPLE	
Check One <input type="checkbox"/> Public Non-Community <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Public Community <input checked="" type="checkbox"/> Private Well Disinfected <input type="checkbox"/> Yes <input type="checkbox"/> No Residual: _____ mg / l (required for fecal test)			If one of the following is checked, resample. <input type="checkbox"/> TNTC Non-Coliforms <input type="checkbox"/> Confluent Growth	
REASON FOR SAMPLING			REJECTED SAMPLE	
Check One <input type="checkbox"/> Routine Sample <input checked="" type="checkbox"/> Special Sample <input type="checkbox"/> Check Sample <input type="checkbox"/> Monitor Sample			If one of the following is checked, resample. <input type="checkbox"/> Sample too old. <input type="checkbox"/> Temperature violation. (above 10° C) <input type="checkbox"/> Form incomplete. See circled item. <input type="checkbox"/> Date discrepancy. <input type="checkbox"/> Leaking Sample. <input type="checkbox"/> Quantity insufficient for testing. <input type="checkbox"/> Quantity too great to permit agitation. <input type="checkbox"/> Turbid sample. <input type="checkbox"/> Other _____	
			FOR INTERPRETATION OF RESULTS CALL THE NEW MEXICO ENVIRONMENT DEPARTMENT AT 393-4302.	

NOTE: FLAMED RUN -A SIPPED / USED GLOVES / ICE SAMPLE

SEND REPORT AND BILL TO THE FOLLOWING:

NAME MR WAYNE PRICE

COMPANY NM OIL CONSERVATION DIV

ADDRESS 1000 W BRADWAY

PHONE 505-393-6161

Bacteriologist

A FEE OF \$10.00 PLUS TAX IS CHARGED FOR EACH TEST.

OFFICE USE ONLY

ACCT. #