

1R - 143

**GENERAL
CORRESPONDENCE**

YEAR(S):

2000 - 2002

May 28, 2002

Mr. William Olsen
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED

JUN 05 2002

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Re: Final Well Plugging
Equilon Pipeline Company
Shell Pump Sites 1, 2, & 3- Jimmy Cooper Ranch
Monument, Lea County, New Mexico

Dear Mr. Olsen

Attached is the well drillers well plugging reports for the groundwater monitoring wells , MW-1, 2, & 3 that were installed as part of the groundwater investigation. The NMOCD approved Equiva's request for closure of this site in a letter to Equiva dated, January 7, 2002. Should you have any questions or comments concerning the report or the facility in general, please contact my office at (281) 353-2069

Sincerely
EQUIVA SERVICES LLC

Kyle Landreneau

Kyle Landreneau
Environmental Geologist
SHE/Science & Engineering

"Equiva Services LLC provides miscellaneous services, including environmental services, on behalf of its owners Motiva Enterprises LLC and Equilon Enterprises LLC (dba as Shell Oil Products), and on behalf of, Shell Oil Company, and Star Enterprise."

CC Paul Sheeley-NMOCD, Hobbs District Office
Bennett Howell-Enercon Services, Dallas Office

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Equiva Services Inc. Owner's Well No. _____
 Street or Post Office Address PMB 284 - 40 FM 1960 West
 City and State Houston, Texas 77090

Well was drilled under Permit No. Monitor Well #1 and is located in the:

- a. _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ N.M.P. in
in Lea County.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant _____

(B) Drilling Contractor _____ License No. _____
 Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft

Completed well is ☐ shallow ☒ artesian. Depth to water upon completion of well _____ ft

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor Alan G. Eades
 Address 1200 E. Bender Blvd., Hobbs, NM 88240
 Plugging Method by hand
 Date Well Plugged February 26, 2002
 Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Bentonite
	Top	Bottom	
1	0	40	3.35
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received _____

Quad _____ FWL _____ FSL _____

File No. _____ Use _____ Location No. _____

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Equiva Services Inc. Owner's Well No. _____
 Street or Post Office Address PMB 284 - 40 FM 1960 West
 City and State Houston, Texas 77090

Well was drilled under Permit No. Monitor Well # 2 and is located in the:

- a. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ of Section _____ Township _____ Range _____ N.M.P.N.
 in Lea County.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant _____

(B) Drilling Contractor _____ License No. _____

Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☐ shallow ☒ artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor Alan G. Eades
 Address 1200 E. Bender Blvd., Hobbs, NM 88240
 Plugging Method by hand
 Date Well Plugged February 26, 2002
 Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Bentonite
	Top	Bottom	
1	0	42	3.35
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received _____

Quad _____ FWL _____ FSL _____

File No. _____ Use _____ Location No. _____

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Equiva Services Inc. Owner's Well No. _____
 Street or Post Office Address PMB 284 - 40 FM 1960 West
 City and State Houston, Texas 77090

Well was drilled under Permit No. Monitor Well #3 and is located in the:

- a. _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ N.M.P.M.
in Lea County.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in _____ County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant _____

(B) Drilling Contractor _____ License No. _____

Address _____

Drilling Began _____ Completed _____ Type tools _____ Size of hole _____ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well _____ ft.

Completed well is ☐ shallow ☒ artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor Alan G. Eades
 Address 1200 E. Bender Blvd., Hobbs, NM 88240
 Plugging Method by hand
 Date Well Plugged February 26, 2002

Plugging approved by:

 State Engineer Representative

No.	Depth in Feet		Cubic Feet of Bentonite
	Top	Bottom	
1	0	42	3.35
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received _____

Quad _____ FWL _____ FSL _____

File No. _____ Use _____ Location No. _____



Photo 1: Grouting of monitor well MW-1.



Photo 2 : Removal of monitor well MW-1.



Photo 3: Grouting of monitor well MW-2.



Photo 4: Removal of monitor well MW-2.



Photo 5: Grouting of monitor well MW-3.



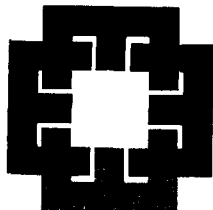
Photo 6: Removal of monitor well MW-3



Photo 7: Removal of monitor well MW-3.



Photo 8: Completed removal of monitor well MW-3.



ENERCON SERVICES, INC.
An Employee Owned Company

306 West Wall
Suite 1312
Midland, TX 79701
(915) 570-8726
Fax (915) 684-7587

March 28, 2002

Mr. Kyle Landraneau
Equiva Services LLC
PMB 284
40 FM 1960 West
Houston, Texas 77090

**Re: Shell Tank Battery Sites 1, 2, and 3
Jimmie Cooper Ranch
Monument, Lea County, New Mexico**


Dear Mr. Landraneau:

Enercon Services, Inc. (Enercon) was onsite February 27, 2002 to oversee the plugging and abandonment of three monitor wells located at the above referenced facility. Eades Drilling of Hobbs, New Mexico removed the surface concrete pad and annulus from each of the three monitor wells. Afterwards, the surface casing was cut down to three feet below ground surface (bgs) and 16 feet of hydrated bentonite chips were placed in the wells. The top ten-foot of the monitor well was plugged with cement. The concrete and annulus were removed and disposed of by Eades Drilling.

Please find enclosed the photographs detailing the removal/abandonment of the three 4-inch diameter monitor wells.

If you have any questions or need any assistance please call me at (915) 570-8726.

Sincerely,
Enercon Services, Inc.


Jeffrey Kindley, P.G.
Project Manager

Attachments

September 28, 2001

Mr. William Olsen
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED

OCT 03 2001

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Re: Confirmation and Drilling Report & No further action Request
Shell Pump Sites 1, 2, & 3- Jimmy Cooper Ranch
Monument, Lea County, New Mexico

Dear Mr. Olsen

Equiva Services LLC (Equiva) has completed the soil and groundwater-sampling activities as directed in your letter to Equiva, dated May 15, 2001. As discussed in the attached report, five soil borings were installed at the site and three of the borings were converted into permanent monitoring wells. Groundwater samples were collected from the permanent monitoring wells (MW-1, 2 & 3) and from the open boreholes (SB-1 & 2).

Soil TPH concentration above NMOCD soil concentration ranking for TPH was found in the 10-15 foot sample collected in boring SB-1. All other TPH and BTEX detected concentrations were below the NMOCD ranking criteria for this site. Based on the sample soil sample results collected in boring SB-2, well MW -3 and results of soil samples collected from the south wall of Site 3 (Shell Tank Battery Excavation Site 1,2, & 3 report submitted to the NMOCD on January 8, 2001), the TPH concentrations in boring SB-1 do not appear to be related to the releases at Sites 1, 2 & 3. Regardless of the source, the TPH concentration detected in the 10-15' sample in boring SB-1 do not appear to be leaching to groundwater, based on the groundwater samples collected from this boring.

Groundwater concentrations in samples collected from the monitoring wells and open boreholes were below method detection limits for BTEX and PAH constituents. Based on this information, Equiva Services request that the NMOCD issue a "No Further Action" letter for these three excavation sites. Should you have any questions or comments concerning the report or the facility in general, please contact my office at (281) 353-2069

Sincerely
EQUIVA SERVICES LLC



Kyle Landreneau
Environmental Geologist
SHE/Science & Engineering

"Equiva Services LLC provides miscellaneous services, including environmental services, on behalf of its owners Motiva Enterprises LLC and Equilon Enterprises LLC, and on behalf of, Shell Oil Company, Star Enterprise and Texaco Inc."

CC Paul Sheeley-NMOCD, Hobbs District Office
Scott Lowery-Enercon Services, Dallas Office



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

May 15, 2001

CERTIFIED MAIL

RETURN RECEIPT NO. 5051-4386

Mr. Kyle Landreneau
Equiva Services LLC
PMB 284, 40 FM 1960 West
Houston, Texas 77090

**RE: CASE #1R0143
FORMER SHELL TANK BATTERY SITES #1,2 AND 3
LEA COUNTY, NEW MEXICO**

Dear Mr. Landreneau:

The New Mexico Oil Conservation Division (OCD) has reviewed Equilon Pipeline Company/Equiva Services' (Equiva) January 8, 2001 "EXCAVATION REPORT AND WORK PLAN, SHELL PUMP SITES 1, 2 & 3 – JIMMY COOPER RANCH, LEA COUNTY, NEW MEXICO" and accompanying December 12, 2000 "WORKPLAN & COST ESTIMATE FOR INSTALLATION OF THREE MONITOR WELLS AND TWO SOIL BORINGS LOCATED AT THE FORMER SHELL TANK BATTERY SITES 1, 2, AND 3 LOCATED ON JIMMIE COOPER'S RANCH NEAR MONUMENT, LEA COUNTY, NEW MEXICO" and December 12, 2000 "EQUIVA SERVICES, LLC SHELL TANK BATTERY EXCAVATION SITES 1, 2, AND 3, JIMMIE COOPER RANCH, MONUMENT, LEA COUNTY, NEW MEXICO". These documents contain the results of Equiva's soil remediation actions and a work plan for installation of boreholes and ground water monitoring wells to delineate the extent of ground water contamination resulting from spills at the former Shell Tank Battery Sites 1, 2, and 3 located in Unit E, Section 4, Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.

The work plan for installation of boreholes and ground water monitoring wells as contained in the above referenced document is approved with the following conditions:

1. The monitor wells shall be located directly outside and downgradient of the excavated areas at each site.
2. The monitor wells shall be properly developed upon completion.
3. No less than 48 hours after the wells are developed, ground water from all monitor wells at

each site shall be purged, sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene and polycyclic aromatic hydrocarbons (PAH) using EPA approved methods and quality assurance/quality control (QA/QC).

Note: The OCD does not require that Equiva analyze ground water samples for total petroleum hydrocarbons (TPH) since there is no New Mexico Water Quality Control Commission standard for TPH in ground water.

4. Equiva shall submit a report containing the results of the investigation to the OCD by July 15, 2001. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and shall include the following information:
 - a. A description of the investigation activities which occurred including conclusions and recommendations.
 - b. A geologic/lithologic log and well completion diagram for each monitor well and borehole.
 - c. A water table map showing the location of the spills, excavated areas, monitor wells, boreholes and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient created using the water table elevation from each monitor well.
 - d. Isopleth maps for contaminants observed during the investigations.
 - e. Summary tables of all soil and ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated QA/QC data.
 - f. The disposition of all wastes generated.

Please be advised that OCD approval does not relieve Equiva of responsibility should the investigation actions fail to adequately define the extent of contamination related to Equiva's activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Equiva of responsibility for compliance with any other federal, state or local laws and regulations. If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Supervisor
Jimmy Cooper

January 8, 2001

Ms. Donna Williams
Oil Conservation Division
New Mexico Energy, Minerals & Natural Resources Department
1625 North French Drive
Hobbs, New Mexico 88240

RE: Excavation Report and Workplan
Shell Pump Sites 1, 2 & 3-Jimmy Cooper Ranch
Lea County, New Mexico

Dear Ms. Williams,

Attached is Equiva's report summarizing excavation activities at the reference sites. As indicated in the report all soils impacted above NMOCD regulatory levels were removed from each excavation site except for the west wall of site 3. Excavation at site 3 was stopped due to the excavation's proximity to New Mexico State Highway 8.

Since groundwater was encountered in each excavation, we have included a workplan install a monitoring well in each former release location to determine if groundwater has been impacted,. We are also proposing to install two soil borings on the west side of Highway 8 to delineate the extent of the soil impact from site 3.

We will begin well installation activities within two weeks of your approval. Should you have any questions concerning this matter, please contact me at 281-353-2069.

Sincerely
EQUIVA SERVICES LLC

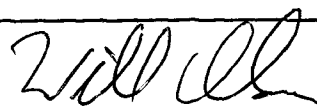



Kyle Landreneau
Environmental Geologist
SHE/Science & Engineering

"Equiva Services LLC provides miscellaneous services, including environmental services, on behalf of its owners Motiva Enterprises LLC and Equilon Enterprises LLC, and on behalf of, Shell Oil Company, Star Enterprise and Texaco Inc."

cc: William Olsen-NMOCD- Santa Fe
Jeff Kindley-Enercon Services

MEMORANDUM OF MEETING OR CONVERSATION

<input checked="" type="checkbox"/> Telephone <input type="checkbox"/> Personal	Time 0842	Date 8/17/00
<u>Originating Party</u>		<u>Other Parties</u>
Jeff Kinley - Enercon (915) 631-6591		Bill Olson - Envir. Bureau
<u>Subject</u>		
Eguilon - Shell Tank Battery Site #1		
<u>Discussion</u>		
Discovered ground water contamination during excavation of spill Depth to ground water \approx 33 feet		
Location - SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec 4, T20S, R37E		
<u>Conclusions or Agreements</u>		
He will send followup written notification.		
<u>Distribution</u>	Signed 	

 file

Donna Williams - OCO Hobbs

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal

Time
approx 1115

Date 7/28/00

Originating Party

Other Parties

Jeff Kinley - Enercon
(915) 631-6591

Bill Olson - Envic. Bureau

Subject

Equilon - Shell Tank Battery #2 SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec 4 T20S R37E

Discussion

Notice of ground water contamination

Excavating contaminated soils

Hit ground water on top of red beds at 35'

Oil & water coming in excavation

Still excavating

Conclusions or Agreements

Will try to clean up ground water within 1 yr.

Will fill written report in 15 days

Distribution

Pile

Signed

Bill Olson