

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OIL CONSERVATION DIVISION

811 S. FIRST STREET  
ARTESIA, NM 88210FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM12441
2. Name of Operator WESTERN RESERVES OIL CO.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 993 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-682-4559		8. Well Name and No. BEVMOR 24 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T5S R24E SWNE 1980FNL 1980FEL		9. API Well No. 30-005-60936
		10. Field and Pool, or Exploratory PECOS SLOPE (ABO GAS)
		11. County or Parish, and State CHAVEZ COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The revised reclamation plan dated November 15, 2012, is attached for review and approval. Western Reserves proposed to complete the reclamation activities in January 2013, with the Bureau of Land Management and land owner approval.

NM OIL CONSERVATION  
ARTESIA DISTRICTACCEPTED FOR  
RECORDAccepted for record  
NM OCD

APR 28 2016

RECEIVED

APR 25 2016

NAME

Ike T. Fl  
NRS

14. I hereby certify that the foregoing is true and correct. Electronic Submission #160561 verified by the BLM Well Information System For WESTERN RESERVES OIL CO., sent to the Roswell	
Name (Printed/Typed) IKE TAVAREZ	Title PROJECT MANAGER
Signature (Electronic Submission)	Date 11/16/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



**TETRA TECH**

November 15, 2012

Ms. Beth Skaggs  
Environmental Protection Specialist  
Bureau of Land Management  
2909 W. Second Street  
Roswell, New Mexico 88201-2019

**Re: REVISED – RECLAMATION PLAN  
Response to Bureau of Land Management, Notice of Written Order,  
Western Reserves Oil Co., Inc.  
Bevmor 24 Federal #1 and #2 (Order 04-082-11W and 04-081-11W)  
Section 24, Township 5 South, Range 24 East  
Chavez County, New Mexico**

Ms. Skaggs:

This letter is written to respond to a Bureau of Land Management (BLM) Notice of Written Order (NWO), dated September 20, 2011 and follow up correspondence dated November 1, 2012, for the Bevmor 24 Federal #1 and Bevmor 24 Federal #2 (P&A locations) located in Section 24, Township 5 South, Range 24 East, Chavez County, New Mexico. The BLM correspondence is shown in Appendix A. The site locations are shown on Figures 1 and 2.

On August 31, 2011, the BLM inspected the sites and noted some disturbed areas, which required surface reclamation. Based on the findings, the BLM requested Western Reserves to submit a surface reclamation plan for the sites. The BLM's recommended corrective action stated in the NWO was "remove concrete pads, rip and contour surface to resemble surrounding landscape, and seed using BLM's recommended seed".

#### **TETRA TECH - SITE INSPECTION**

Tetra Tech personnel inspected the site on November 19, 2011. The site plan for each location is shown on Figure 3 and Figure 4. During the inspection, Tetra Tech noted the following:

**Tetra Tech**

12161 North Big Spring, Midland, TX 79705

Tel 432.692.4400 Fax 432.682.2246 [www.tetrattech.com](http://www.tetrattech.com)



Bevmor 24 Federal #1

1. Well pad area measured approximately 30' x 120' and appears to have a mixture of caliche and sand. The area is approximately 30% to 40% re-vegetated.
2. A 12" diameter open rat hole was noted on the well pad area.
3. A concrete pad (approximately 4' x 10') is located southeast of the well pad area.
4. Reserve pit area is located north of the well pad and measured approximately 90' x 120'. The reserve pit has some plastic exposed on the surface and some areas with visible salt staining on the surface. The reserve pit is approximately 5% re-vegetated.

Bevmor 24 Federal #2

1. Well pad area measured approximately 130' x 160' and appears to have a mixture of caliche and sand. The area is approximately 25% to 30% re-vegetated.
2. A concrete pad (approximately 4' x 10') is located southeast of the well pad area.
3. Reserve pit area is located north of the well pad and measured approximately 110' x 130'. The reserve pit has some plastic exposed on the surface and some areas with visible salt staining on the surface. The reserve pit is approximately 5% re-vegetated.
4. A stressed/runoff area is located southeast of the reserve pit and measures approximately 90' x 300' and is approximately 5% to 10% re-vegetated.

**REVISED – RECLAMATION PLAN**

**Concrete Pads and Rat Hole**

The concrete pads at the well locations will be removed and transported to proper disposal. Prior to plugging the rat hole at the Bevmor 24 Federal #1 site, Tetra Tech will measure the total depth of the rat hole and discuss the plugging options for BLM approval.



## **Reserve Pit, Well Pad and Stressed/Runoff Areas**

### Soil Sampling

As requested by the BLM, Tetra Tech collected soil samples from the both well locations. Samples were collected from the each well pad location and the stressed area located at the Bevmor 24 Federal #2. The sampling data are shown in Table 1 and Table 2. The sample locations are shown on Figure 3 and 4.

Based on the sampling data, the Bevmor 24 Federal #1 did not show a chloride impact to the well pad. However, a shallow chloride impact was detected at the Bevmor 24 Federal #2 well pad and stressed area.

### Proposed Reclamation Activities - Option 3

According to the BLM, both sites are located at or near a karst area and consider the area sensitive, which would require some controls for the impacted areas. Based on data at the Bevmor 24 Federal #2, Tetra Tech recommended one (1) borehole at the site to evaluate and profile the subsurface soils for karst lithology. According to the BLM response letter dated November 1, 2012, the BLM denied the installation of a borehole and provided three (3) options to reclaim the locations where the chlorides were considered an issue.

Based on the site location, Western Reserves proposes Option 3, which includes using caliche to cap on the impact area and placement of imported topsoil, contouring and seeding each site.

#### *Bevmor 24 Federal #1*

To prepare the site, any caliche present on the pad will be removed and used for capping the reserve pit area. The reserve pit will be prepared using clean caliche material placed in a 6" lift and compacted to cap the surface soils and place an additional 6" of clean soil top of the caliche. Once completed, windrows or contours will be installed for the final preparation, prior to seeding the site.

#### *Bevmor 24 Federal #2,*

Based on the data, the reserve pit, pad and stressed area will be prepared for reclamation. Clean caliche material will be placed in a 6" lift and compacted to cap the surface soils and place an additional 6" of clean soil top of the caliche. Once completed, diversions (berms) will be installed northwest of the reserve pit to control or divert any rain water migrating through the reserve pit and into the southeast runoff/stressed area. In addition, windrows or contours will be installed for a final preparation, prior to seeding the site.



**TETRA TECH**

In addition, the lease road (approximately 0.6 mile) between the Bevmor 24 Federal #1 and Bevmor 24 Federal #2 will also be reclaimed and seeded. If caliche material is present on the road, the caliche will be removed and transported to the Bevmor 24 Federal #2 and used for capping. Once the caliche is removed, the area will be prepared for seeding.

#### Top soil and Caliche Material

The material (caliche and topsoil) will be taken out from a pit owned by the New Mexico State Land located in Section 16, Township 5 South, Range 25 East, Southwest-Northeast Quarter. In addition, the landowner has been contacted for the material for the site, but has not been approved at this time.

#### Landowner Approval

Once the reclamation plan is approved, the BLM will be provided with a written concurrence from the landowner.

#### Seeding

Prior to seeding, the BLM will be contacted to inspect the reclamation activities. The well pad, reserve pit, stressed area and the lease road will then be seeded with BLM seed mix with a Loamy SD-3 Ecological Site, Loamy CP-2, Gyp Upland CP-2 recommended by the BLM. Once completed, the sites will be monitored for growth.

If you have any questions or comments concerning the proposed reclamation activities for this site, please call me at (432) 682-4559.

Tetra Tech, Inc.

Ike Tavarez, P.G.  
Project Manager

cc: Chris Renaud – Western Reserves

## Figures

BEVMOR BEVMOR  
FEDERAL #2 FEDERAL #1

72

285

285

70

390

Rowell

Midway

Dexter

285

Greenfield

Hagerman

**WESTERN RESERVES OIL CO.**

Figure 1

Bevmor Federal # 1 & Bevmor Federal # 2

Overview Map

Chaves County, New Mexico

Project : 114-6401092

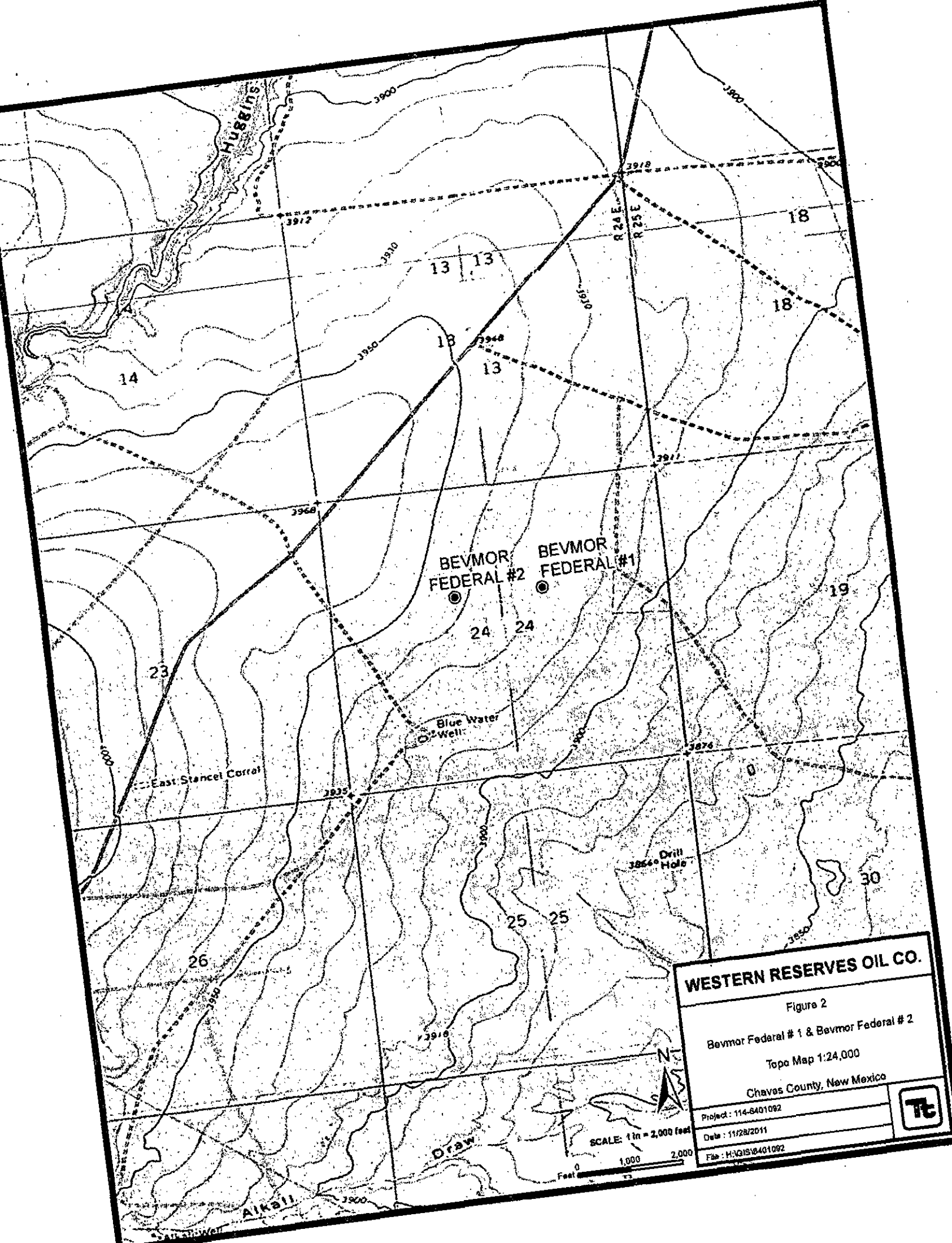
Date : 11/28/2011

File : H:\GIS\6401092



SCALE: 1 in = 41,667 feet

0 19,000 38,000  
Feet



**WESTERN RESERVES OIL CO.**

Figure 2

Bevmor Federal # 1 & Bevmor Federal # 2

Topo Map 1:24,000

Chaves County, New Mexico

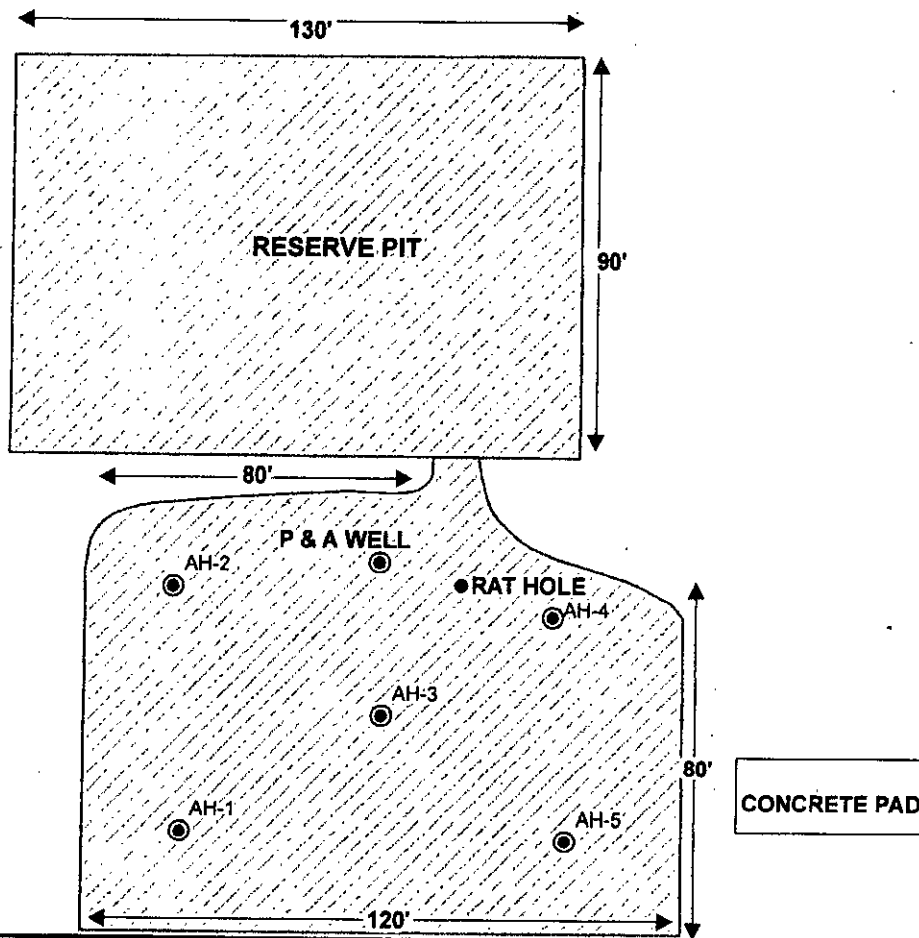
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Date : 11/28/2011

File : H:\GIS\8401082







LEASE ROAD

### EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- PLUGGED & ABANDONED WELL
- RAT HOLE
- ▨ DISTURBED AREA



SCALE: 1 IN = 42 FEET

Feet 0 20 40

### WESTERN RESERVES OIL CO.

Figure 3

Bevmor Federal #1

Site Map

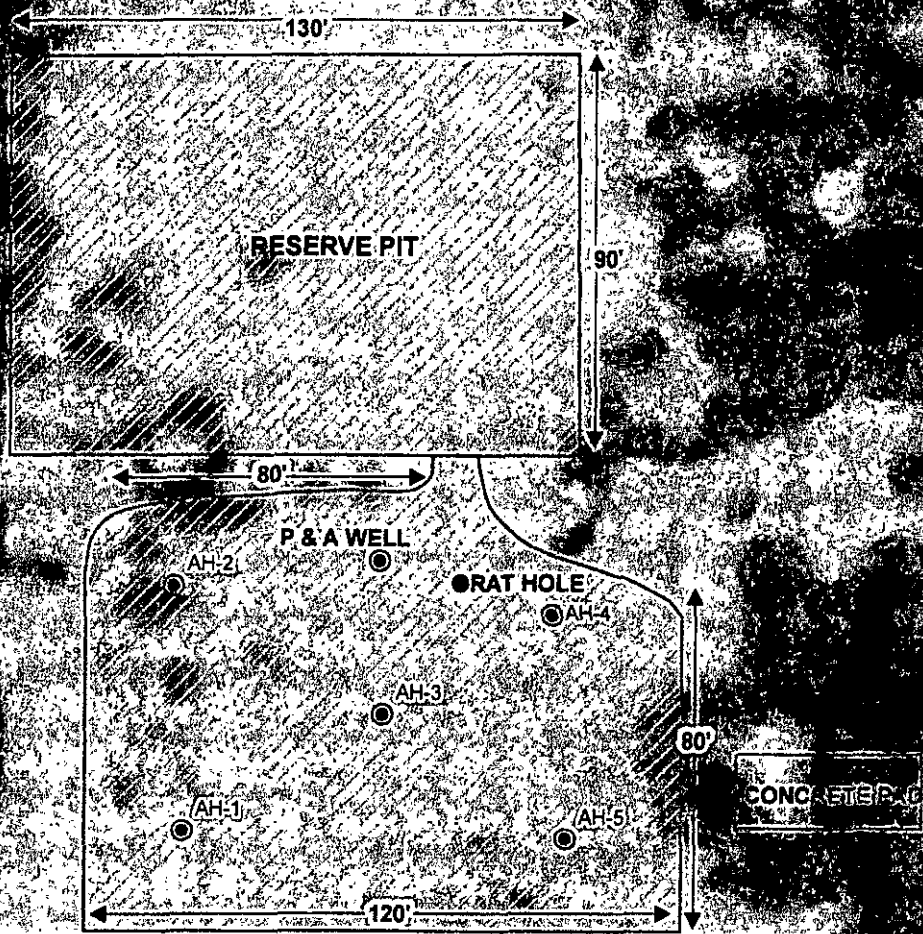
Chaves County, New Mexico

Project: 114-6401092

Date: 11/28/2011

File: H:\GIS\6401092





### EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- PLUGGED & ABANDONED WELL
- RAT HOLE
- ▨ DISTURBED AREA

### WESTERN RESERVES OIL CO.

Figure 3

Bevmor Federal #1

Aerial Map(2009 NAIP)

Chaves County, New Mexico

Project: 114-6401092

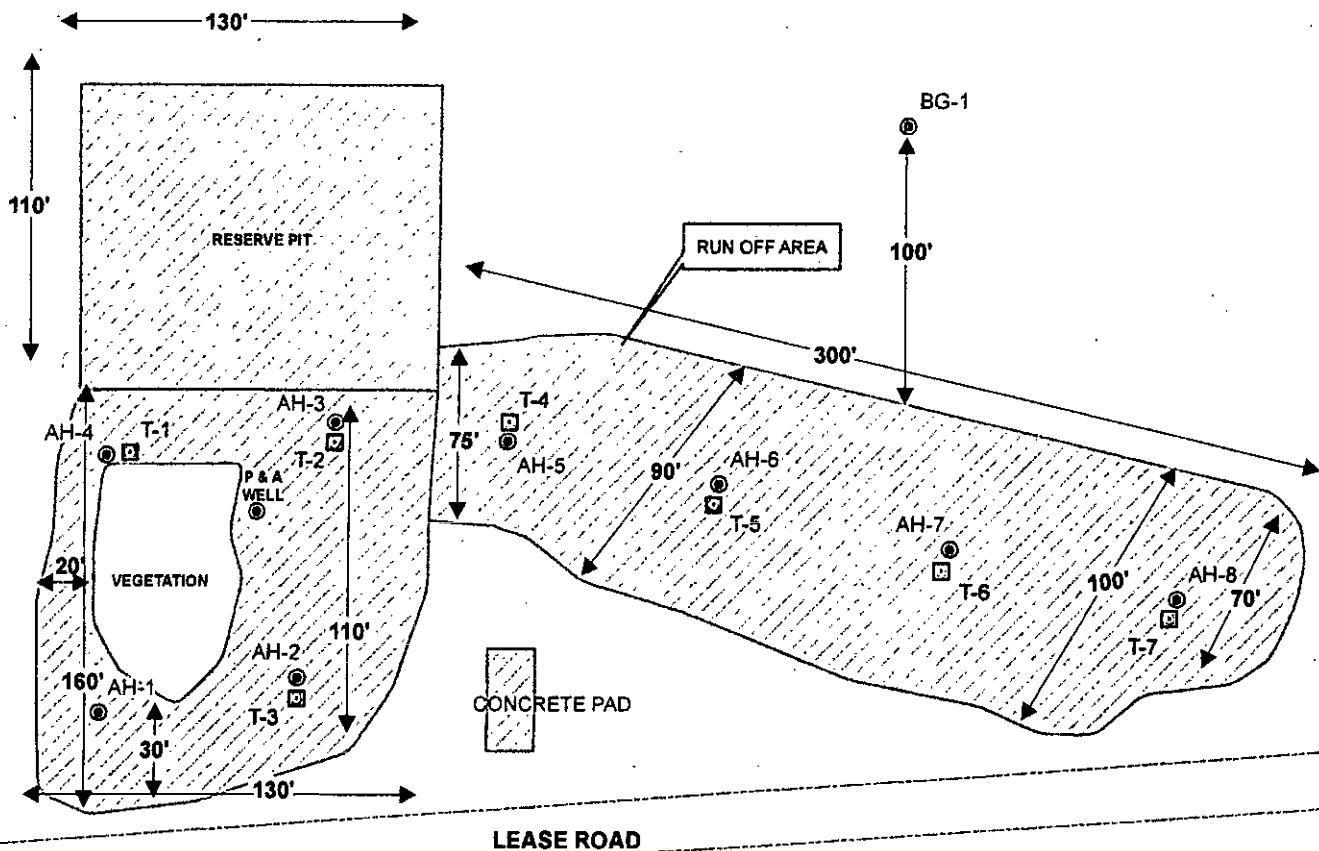
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SCALE: 1 IN = 50 FEET

0 25 50 Feet



### EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- ⊙ BACKGROUND SAMPLE LOCATION
- ⊙ PLUGGED & ABANDONED WELL
- ⊠ TRENCHED SAMPLE LOCATIONS
- ▨ DISTURBED AREA

### WESTERN RESERVES OIL CO.

Figure 4

Bevmor Federal #2

Site Map

Chaves County, New Mexico

Project: 114-6401092

Date: 6/19/2012

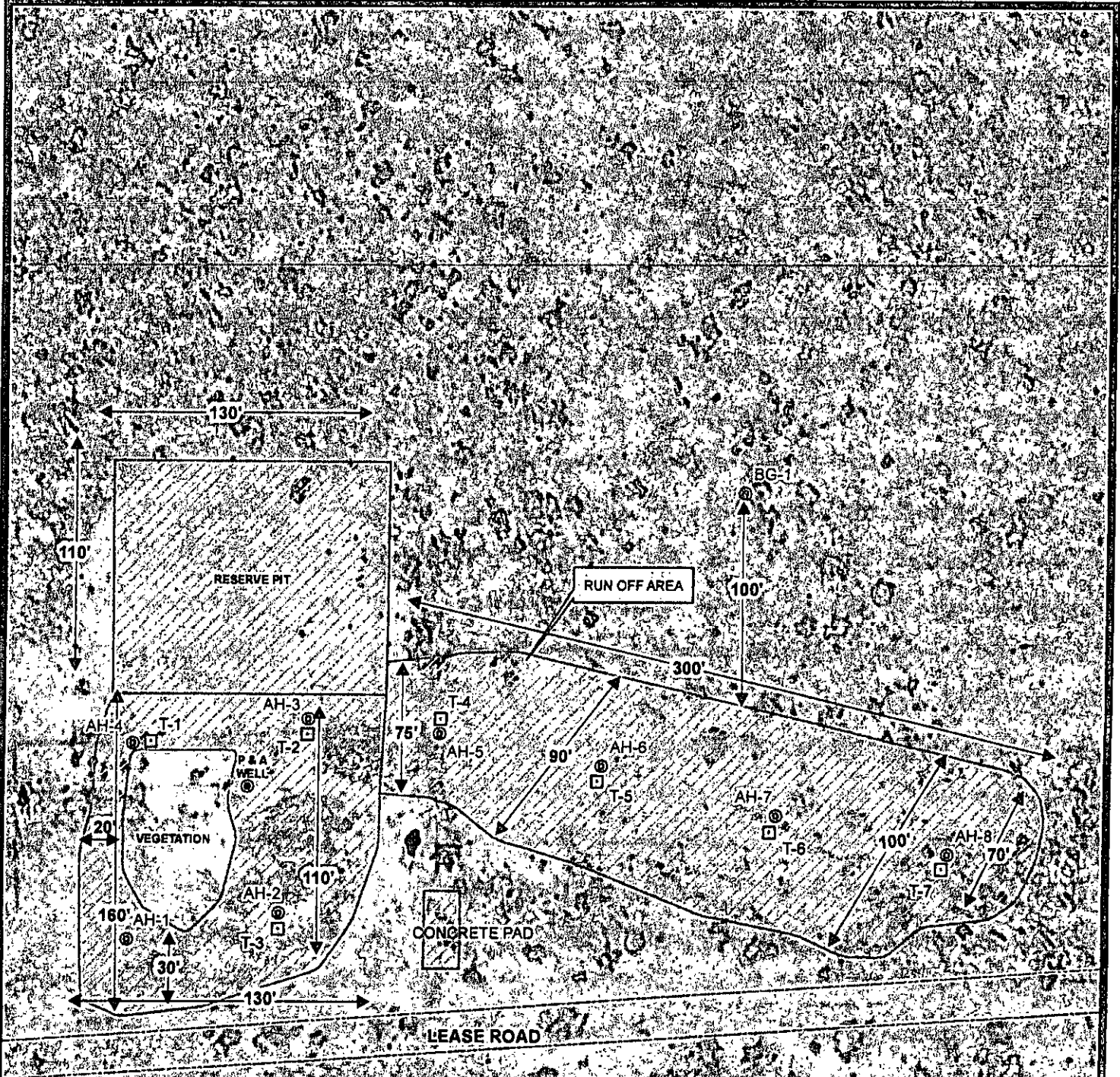
File: H:\GIS\6401092



SCALE: 1 IN = 67 FEET

Feet 0 25 50





### EXPLANATION

- ⊙ AUGER HOLE SAMPLE LOCATIONS
- ⊙ BACKGROUND SAMPLE LOCATION
- ⊗ PLUGGED & ABANDONED WELL
- ⊠ TRENCHED SAMPLE LOCATIONS
- ▨ DISTURBED AREA

### WESTERN RESERVES OIL CO.

Figure 4

Beymor Federal #2

Site Map

Chaves County, New Mexico

Project: 114-6401092

Date: 6/19/2012

File: HAGIS6401092



SCALE: 1 IN = 67 FEET  
Feet 0 25 50



## Tables

**Table 1**  
**Western Reserve Oil**  
**Bevmor Federal #1**  
**Chaves County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
AH-1	2/22/2012	0-1	X		<200
	"	1-1.5	X		<200
	"	2-2.5	X		<200
AH-2	2/22/2012	0-1	X		<200
	"	1-1.5	X		<200
	"	2-2.5	X		340
AH-3	2/22/2012	0-1	X		<200
	"	1-1.5	X		<200
	"	2-2.5	X		<200
AH-4	2/22/2012	0-1	X		710
	"	1-1.5	X		813
	"	2-2.5	X		328
AH-5	2/22/2012	0-1	X		<200
	"	1-1.5	X		<200
	"	2-2.5	X		<200
AH-6 Background	2/22/2012	0-1	X		<200
	"	1-1.5	X		<200
	"	2-2.5	X		<200
	"	3-3.5	X		<200

**Table 2**  
**Western Reserve Oil**  
**Bevmor Federal #2**  
**Chaves County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
AH-1	2/22/2012	0-1	X		1,080
	"	1-1.5	X		<200
	"	2-2.5	X		255
AH-2	2/22/2012	0-1	X		1,060
	"	1-1.5	X		3,400
	"	2-2.5	X		3,230
Trench-3	6/5/2012	0-1	X		<20.0
	"	2	X		1,770
	"	4	X		236
	"	6	X		323
	"	8	X		183
	"	10	X		178
AH-3	2/22/2012	0-1	X		3,680
	"	1-1.5	X		2,100
	"	2-2.5	X		1,080
Trench-2	6/5/2012	0-1	X		1,280
	"	2	X		2,500
	"	4	X		1,230
	"	6	X		766
	"	8	X		684
	"	10	X		405
	"	12	X		424

**Table 2**  
**Western Reserve Oil**  
**Bevmor Federal #2**  
**Chaves County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
AH-4	2/22/2012	0-1	X		<200
	"	1-1.5	X		239
	"	2-2.5	X		1,130
Trench-1	6/5/2012	0-1	X		225
	"	2	X		1,500
	"	4	X		1,280
	"	6	X		499
	"	8	X		689
AH-5	2/22/2012	0-1	X		4,300
	"	1-1.5	X		2,810
	"	2-2.5	X		2,090
Trench-4	6/5/2012	0-1	X		1,440
	"	2	X		2,080
	"	4	X		1,050
	"	6	X		579
	"	8	X		91.7
	"	10	X		275



**Table 2**  
**Western Reserve Oil**  
**Bevmor Federal #2**  
**Chaves County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
AH-6	2/22/2012	0-1	X		5,670
	"	1-1.5	X		3,920
	"	2-2.5	X		3,420
Trench-5	6/5/2012	0-1	X		3,200
	"	2	X		3,300
	"	4	X		709
	"	6	X		497
	"	8	X		763
AH-7	2/22/2012	0-1	X		8,840
	"	1-1.5	X		3,310
	"	2-2.5	X		1,890
Trench-6	6/5/2012	0-1	X		359
	"	2	X		1,700
	"	4	X		685
	"	6	X		243
	"	8	X		209

**Table 2**  
**Western Reserve Oil**  
**Bevmor Federal #2**  
**Chaves County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
AH-8	2/22/2012	0-1	X		1,310
	"	1-1.5	X		2,540
	"	2-2.5	X		1,990
Trench-7	6/5/2012	0-1	X		2,930
	"	2	X		2,500
	"	4	X		563
	"	6	X		544
AH-9 Background	2/22/2012	0-1	X		<200
	"	1-1.5	X		<200
	"	2-2.5	X		<200
	"	3-3.5	X		<200
Background	6/5/2012	0-1	X		86.3
	"	2	X		614
	"	4	X		422
	"	6	X		398
	"	8	X		537
	"	10	X		441