

District I - (505) 393-0101

P. O. Box 1980
Hobbs, NM 88241-1980

District II - (505) 748-1283

811 S. First
Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Road
Aztec, NM 87410

District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Revised 06/99

Submit Original
Plus 2 Copies
to appropriate
District Office

RECEIVED
AUG 26 1999
OIL CON. DIV.
DIST. 3

**APPLICATION FOR
WELL WORKOVER PROJECT**

I. Operator and Well

Operator name and address Burlington Resources Oil and Gas P.O. Box 4289 Farmington, NM 87499		OGRID Number 014538						
Contact Party Peggy Bradfield		Phone (505) 326-9700						
Property Name HUERFANO UNIT COM		Well Number 97						
		API Number 300450586100						
UL F	Section 16	Township 026N	Range 009W	Feet From The 1650	North/South Line FNL	Feet From The 1650	East/West Line FWL	County SAN JUAN

II. Workover

Date Workover Commenced 1/99	Previous Producing Pool(s) (Prior to Workover) BALLARD PICTURED CLIFFS
Date Workover Completed 1/99	

III. Attach a description of the Workover Procedures performed to increase production

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT

State of New Mexico)
) ss.
County of San Juan)

Peggy Bradfield, being first duly sworn, upon oath states:

1. I am the operator, or authorized representative of the Operator, of the above-reference Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table

for this Well are complete and accurate.

Signature

Title

Date

SUBSCRIBED AND SWORN TO before me this 24 day of August, 1999.

My Commission expires: 6/14/03

Mae Benally
Notary Public

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-reference well is designated a Well Workover Project and the Division hereby verifies the data shows positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 11/15/99

Signature District Supervisor

OCD District

Date

VII. OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1650' FNL, 1650' FWL, Sec.16, T-26-N, R-9-W, NMPM, San Juan County

5. Lease Number
30-045-05861

6. State Oil&Gas Lease #
B-10894-6

7. Lease Name/Unit Name
Huerfano Unit Com

8. Well No.
#97

9. Pool Name or Wildcat
Ballard PC

10. Elevation:

Type of Submission	Type of Action
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - Restimulate
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

1-7-99 MIRU. SDON.

1-8-99 ND WH. NU BOP. TOO H w/1 1/2" tbg. TIH w/4 1/2" bit, tag up @ 2076'. CO @ 2076' to PBTD @ 2100'. TOO H w/bit. TIH w/5 1/2" pkr, set @ 1985'. PT csg to 550 psi/15 min, OK. SD for wknd.

1-11-99 Brk dwn perms w/200 gal 15% HCL. Frac PC w/446 bbl 20# linear gel, 200,000# 20/40 AZ snd, 379,698 SCF N2. Flow back well.

1-12-99 Rls pkr & TOO H. TIH to 2029'. CO @ 2029' to PBTD @ 2100'. TOO H to 1941'. Alternate flow & blow well.

1-13&14-99 Alternate flow & blow well & CO.

1-15-99 CO to PBTD. Blow well. TOO H. TIH w/62 jts 1 1/2" 2.9# J-55 EUE tbg, set @ 2044'. ND BOP. NU WH. RD. Rig released. Well turned to production.

SIGNATURE *[Signature]* Regulatory Administrator February 9, 1999

vkh

(This space for State Use)

ORIGINAL SIGNED BY CHARLIE T. PERRY

DEPUTY OIL & GAS INSPECTOR DIST. #

FEB 11 1999

Approved by _____ Title _____ Date _____

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name *[Signature]*

Name _____ Original Signed D. C. Johnson

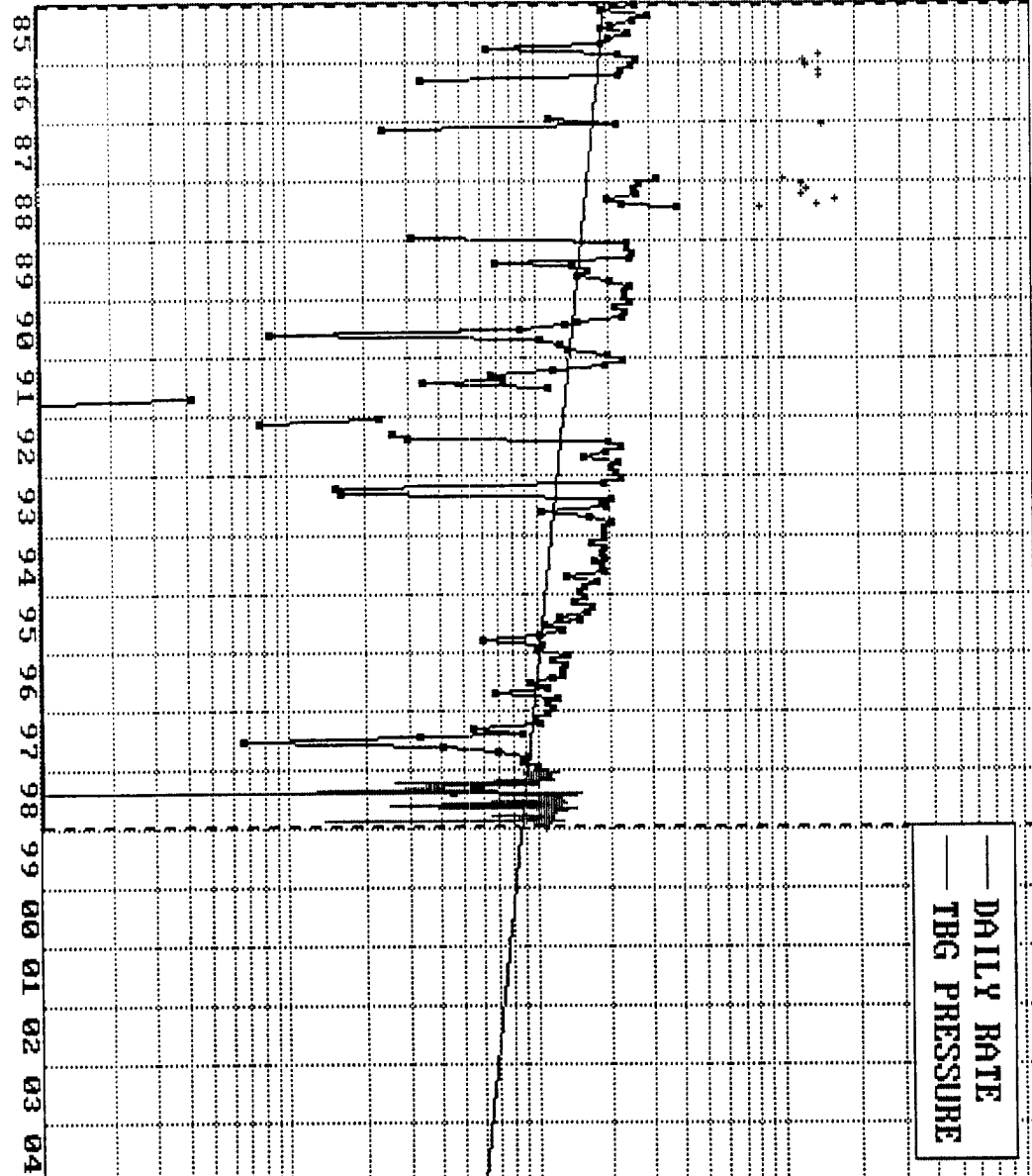
Browsing: HUERFANO UNIT COM | 97
Table(P): PRODUCT/M,P,H,E,T,Z,
Item: 2/18/19 Name: D

--DATE--	----	OIL----	----	GAS----
		Bbl		Mcf
10/31/97			2783	
11/30/97			2679	
12/31/97			3111	
01/31/98			3293	
02/28/98			2932	
03/31/98			2594	
04/30/98			1674	
05/31/98			1363	
06/30/98			3580	
07/31/98			3275	
08/31/98			2661	
09/30/98			3471	

0.1	1	10	100	• OIL
0.0001	0.001	0.01	0.1	• WATER/GAS
1	10	100	1000	• GAS
1	10	100	1000	• WATER

Expected Production Before Workover

HUERFANO UNIT COM : 97 : 511604-1



— DAILY RATE
— TBP PRESSURE

Prop 165 *

○ • WATER Bbls/d

Major = GAS

COMP_NAME	DISP_MO	WELL_C	GRS_GAS_PROD
HUERFANO UNIT COM 97	3/31/99	5116001	4223.905
HUERFANO UNIT COM 97	4/30/99	5116001	4057.245
HUERFANO UNIT COM 97	5/31/99	5116001	4103.32
HUERFANO UNIT COM 97	6/30/99	5116001	3655.295

EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

OK

Huerfano No. 97
Meter/Line ID – 14052

SITE DETAILS

Legals - Twn: 26N	Rng: 9W	Sec: 16	Unit: F
NMOCD Hazard Ranking: 10		Land Type: State	
Operator:		Pit Closure Date: 09/29/94	

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 4 ppm; laboratory analysis indicated a TPH concentration of 31.1 mg/kg.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for almost six years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the test excavation. In addition, the estimated depth to groundwater is greater than 100 feet; therefore, impact to groundwater is unlikely.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, TPH concentrations were below required remediation levels.

ATTACHMENT

Field Pit Assessment Form
Field Pit Remediation/Closure Form



Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

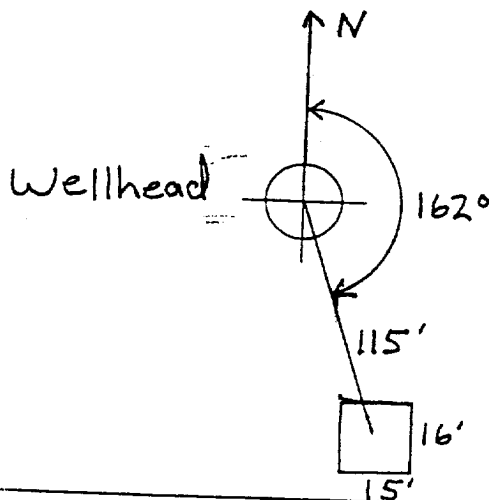
8

GENERAL	<p>Meter: <u>14052</u> Location: <u>Huerfano No. 97</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: <u>Ballard</u></p> <p>Coordinates: Letter: <u>E</u> Section <u>16</u> Township: <u>26 N</u> Range: <u>9 W</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>6-21-94</u> Area: <u>11</u> Run: <u>91</u></p>
	SITE ASSESSMENT
REMARKS	

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 162 Footage from Wellhead 115
b) Length : 16 Width : 15 Depth : 3



REMARKS

Remarks :

Photos- 1347 hrs

Completed By:

L. Walt
Signature

6-21-94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>14052</u> Location: <u>Huerfano # 97</u></p> <p>Coordinates: Letter: <u>F</u> Section <u>16</u> Township: <u>26</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-29-94</u> Run: <u>11</u> <u>91</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>VW355</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>4</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Excavation</p> <p>Onsite Bioremediation</p> <p>Backfill Pit Without Excavation</p> </div> <div style="text-align: right;"> <p><input type="checkbox"/> Approx. Cubic Yards _____</p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> </div> </div> <p>Soil Disposition:</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Envirotech <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/></p> </div> <div style="text-align: right;"> <p><input type="checkbox"/> Tierra</p> <p>Name: _____</p> </div> </div> <p>Pit Closure Date: <u>9-29-94</u> Pit Closed By: <u>BEZ</u></p>
REMARKS	<p>Remarks : _____ <u>10 yds Fill</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>Vale Wilson</u></p>



Page _____ of _____

White - Testing Laboratory Canary - EPNG Lab Pink - Field Sampler



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 355	946265
MTR CODE SITE NAME:	14052	N/A
SAMPLE DATE TIME (Hrs):	9-29-94	1200
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	10-3-94	
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Brown coarse sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	31.0 31.1	KOV 10/4/94 MG/KG			2.03	28
HEADSPACE PID	4	PPM				
PERCENT SOLIDS	96.9	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

10/6/94