

Submit 3 Copies
to Appropriate
District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

RECEIVED
NOV 23 1990
OIL CON. DIV.
DIST. 3

CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO. 30-045-08335
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Marsrow Gas Com
8. Well No. 1
9. Pool name or Wildcat Basin Dakota
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5585 KP

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. Name of Operator Amoco Production Company Attn: John Hampton
3. Address of Operator P.O. Box 800, Denver, Colorado 80201	4. Well Location Unit Letter P : 1850 Feet From The North Line and 1850 Feet From The West Line Section 15 Township Range 12W NMPM San Juan County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5585 KP	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company tested and cemented the casing in the subject well as follows:

1. Tagged fill @ 6144'. Set RBP @ 5997' KB. Set PKR @ 5786'. Plug would not test. Pr tst csg to 1000#. Held.
2. Pull RBP to 5778'. Set PKR @ 5754'. Tst plug to 1200#. Held.
3. Ran CBL from 4530' to surface. TOH RBP & tbq.
4. Set CIBP @ 5000'. Pr tst to 1000#.
5. Perf 1' section @ 3548' to 3459' with 4 shots.
6. Pr tst csg to 1000#. Could not pump into holes.
7. TIH with 4.5" PKR to 3405'. Pr tst tbq to 1000#. Held.
8. Retrieve PKR. Set cmt retainer @ 3250'. Tst to 1000#. Tst csg to 500#.
9. Pmp 150 sx Hal poz cmt. Tail with 50 sx Class G cmt.
10. Drill cmt & retainer from 3151' to 3564'.
11. Pr tst sq to 1000#. Bled off pr. Ran CBL from 3250' to 2350'. CONTINUED

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

SIGNATURE J. L. Hampton TITLE Sr. Staff Admin. Supv. DATE 11/19/90
TYPE OR PRINT NAME Kas TELEPHONE NO.

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ

SUPERVISOR DISTRICT # 3

DATE NOV 23 1990

CONDITIONS OF APPROVAL, IF ANY:

MARSROW GAS COM 1 - CONTINUED

12. Perf 2420' to 2421' with 4 shots.
13. Set PKR @ 2330'. Pmp 160 BW. Well did not circ.
14. Pmp 200 sx 50/50 poz cmt. Tail with 50 sx Class B cmt.
15. TOH PKR. Drill cmt from 2593' to 2738'. Ran CBL from 2750' to 1200'.
16. Perf 1350' to 1351' with 4 shots.
17. Set cmt retaint @ 1294'.
18. Pmp 150 sx 50/50 poz cmt. Tail with 50 sx Class G cmt.
19. Drill cmt and retainer from 1289' to 1337'.
20. Ran CBL from 1620' to 1100'. Cmt top @ 1330'.
21. Perf 992' to 993' with 4 shots. Flush with 61 BW.
22. Pmp 170 sx 65/35 poz cmt. Tail with 65 sx Class A cmt.
23. Drill cmt from 853' to 1002'. Drill thru CIBP.
24. Circ hole clean. Land tbg @ 6166' KB.
25. Swab. Return to production 11/14/90.

Please call Cindy Burton at 303-830-5119 if you have any questions.

RECEIVED
NOV 23 1990
OIL CON. DIV
DIST. 3

George A. Frost
DEPUTY OIL & GAS

DEC 8 0 1997

Approved

Meter Number: 73850

Location Name: MARSROW GAS COM #1

Location: TN-29 RG-12

SC-15 UL-F

4 - Fee

NMOCD Zone: OUTSIDE

Hazard Ranking Score: 00

RECEIVED
APR 14 1997

OIL CON. DIV.
DIST. 3

**RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS
LOCATED OUTSIDE OF THE VULNERABLE ZONE
IN THE SAN JUAN BASIN**

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	10^{-9} to 10^{-13} cm/sec
Shale	10^{-12} to 10^{-16} cm/sec
Clay	10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

FIELD PIT SITE ASSESSMENT FORM

EL PASO FIELD SERVICES

GENERAL

Meter: 73850 Location: MARSROW GAS COM #1
 Operator #: 0203 Operator Name: AMOCO P/L District: KUTZ
 Coordinates: Letter: F Section 15 Township: 29 Range: 12
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator X Location Drip: _____ Line Drip: _____ Other: _____
 Site Visit Date: 3-17-94 Run: 02 02

SITE ASSESSMENT

NMOCD Zone: Inside _____ **Land Type:** BLM ☐
 (From NMOCD Vulnerable _____ State ☐
 Maps) Zone ☐ Fee ☒
 Outside ☒ Indian _____

Depth to Groundwater

Less Than 50 Feet (20 points) ☐
 50 Ft to 99 Ft (10 points) ☐
 Greater Than 100 Ft (0 points) ☒

Wellhead Protection Area :

Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☐
 200 Ft to 1000 Ft (10 points) ☐
 Greater Than 1000 Ft (0 points) ☒

Name of Surface Water Body _____

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 0 POINTS

REMARKS

Remarks : LOCATION IS RIGHT NEXT TO MENONITES. HAS THREE DIFFERENT PITS ON THIS LOCATION. 2 ARE DRY AND THE OTHER IS LINED AND STILL IN USE.

ORIGINAL PIT LOCATION

A hand-drawn diagram showing a wellhead and a square structure. At the top center, a vertical line is labeled 'N' at its top end. Below this line is a circle with a dot in the center, representing a wellhead. A line extends from the wellhead down and to the right, labeled '238'' along its length. This line terminates at a square. The square has a dot in its center. The top and right sides of the square are each labeled '14''.

REMARKS

STARTED TAKING PICTURES AT 10:31 A.M.
END DUMP

Robert Thompson
Signature

(SP3190B) 03/16/94

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 73850 Location: Marsrow Gas Com #1
 Coordinates: Letter: F Section 15 Township: 29 Range: 12
 Or Latitude _____ Longitude _____
 Date Started : 5-16-94 Area: 02 Run: 02

FIELD OBSERVATIONS

Sample Number(s): VW 79
 Sample Depth: 12' Feet
 Final PID Reading 264 PID Reading Depth 12' Fe
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Fe

CLOSURE

Remediation Method :
 Excavation ☐ (1) Approx. Cubic Yards _____
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☒ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☐ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-16-94 Pit Closed By: BEI

REMARKS

Remarks : Line Markers

Signature of Specialist: Vale Wilson



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW79	945178
MTR CODE SITE NAME:	73850	N/A
SAMPLE DATE TIME (Hrs):	5-16-94	0915
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5/17/94	5/17/94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Black fine Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	<10	MG/KG			2.14	28
HEADSPACE PID	264	PPM				
PERCENT SOLIDS	90.9	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at N/A % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: John L. Linder

Date: 6/15/94

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Test Method for
Oil and Grease and Petroleum Hydrocarbons
in Water and Soil
Perkin-Elmer Model 1600 FT-IR
Analysis Report
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04/05/17 15:43

Sample identification
 045178

Initial mass of sample, g
 1.140

Volume of sample after extraction, ml
 18.000

Petroleum hydrocarbons, ppm
 148.854

Net absorbance of hydrocarbons (2930 cm⁻¹)
 0.019

