

District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-24359

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company	Evergen Resources Corp.	Contact	Ernest Cardona / Evergen Resources
Address	2198 Bloomfield Hwy, Farmington N.M.	Telephone No.	505-325-6800
Facility Name	Angel Peak B #25-E	Facility Type	Production TANK at Producing gas well
Surface Owner	BLM / Federal	Mineral Owner	BLM / Federal
		Lease No.	NMSE-047019-B

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North-South Line	Feet from the	East-West Line	County
F	24	28	11W	1585'	FNL	1560'	FWL	SAN JUAN

NATURE OF RELEASE

Type of Release	Condensate leak	Volume of Release	171.36 bbls	Volume Recovered	0
Source of Release	Corrosion void in Sledge @ bottom of TK.	Date and Hour of Occurrence	5-30-02 @ 2:30 p.m.	Date and Hour of Discovery	5-30-02 @ 2:30 p.m.
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Ernest Cardona	Mr. Denny Foent with PMOCO			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date and Hour			
		5-30-02 @ 3:50 p.m.			

If a Watercourse was Impacted, Describe Fully.	N.A.
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Describe Cause of Problem and Remedial Action Taken *	Production TANK developed A corrosion void in sledge at bottom of TANK where H2O is drained from TANK. for Remedial Action Taken see Attached documentation
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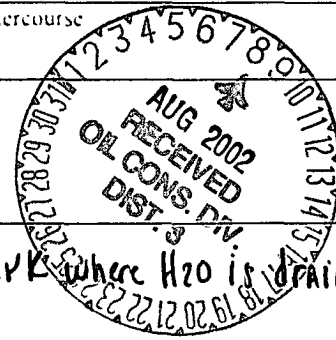
Describe Area Affected and Cleanup Action Taken. *	Please See Attached documentation.
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and or regulations.

Signature: Ernest Cardona		OIL CONSERVATION DIVISION	
Printed Name: Ernest Cardona		Approved by: Denny Foent District Supervisor for Frank Chavez	
Title: Production Foreman	Approval Date: 08/09/02	Expiration Date:	
Date: July 25th 2002	Phone:	Conditions of Approval: Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

1 DGFO 222135194



Energen Resources Angel Peak B #25-E Spill Clean-up

Company: Energen Resources

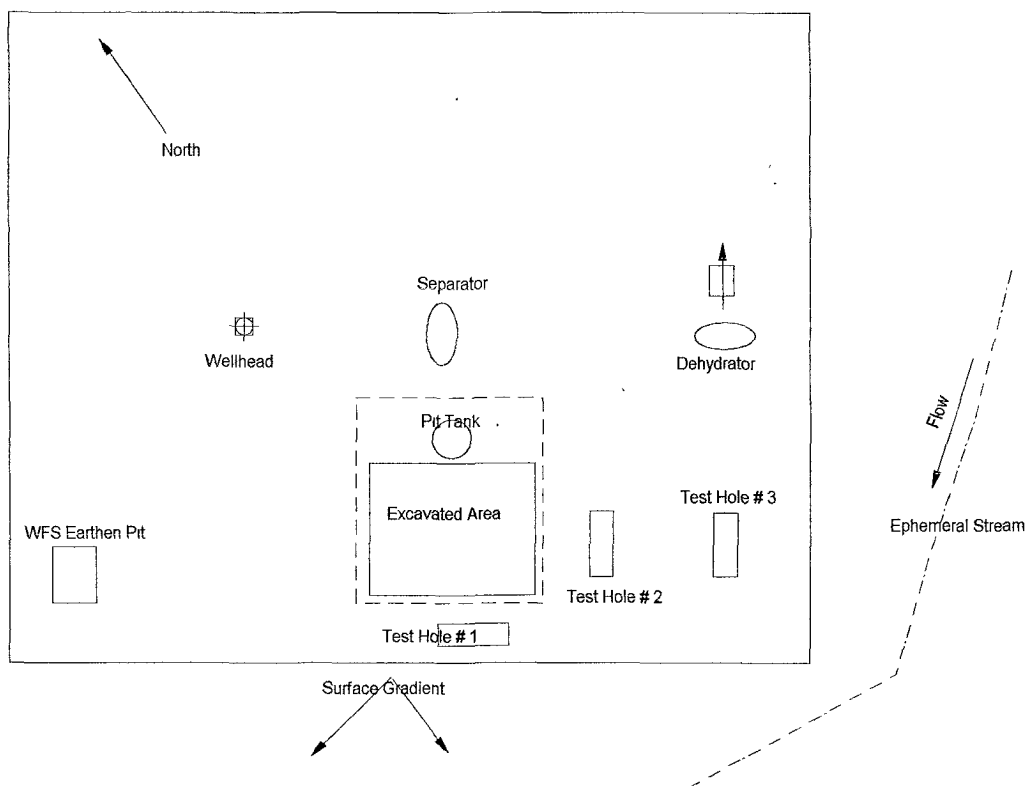
Well: Angel Peak B #25-E

Lease: SF-047017B

Location: 1585' FNL & 1560' FWL, Sec. 24, T-28-N, R-11-W

San Juan County, New Mexico Elevation: 5770' RKB

Schematic of Location:



An approximately 6 (six) foot in diameter hydrocarbon stain was apparent on the surface of the soil east and south of the production tank placement. The tank was set approximately 75 feet in a bearing of 60 degrees south of the wellhead. The excavation process started on the east side of the berm area. Soil characteristics throughout the excavation are listed as follows;

From 0 to 10-feet: Sandy loam, light brown in color
From 10-15-feet: Clayey loam, brown in color
At 15-feet: Bedrock

A sample was taken at **4-feet** in depth, in the center of the spill area. The sample contained a strong hydrocarbon odor. A Headspace analysis was performed on the sample and analyzed. The results of the sample were **OVER-RANGE** of the Organic Vapor Meter (OVM). Visual traits of gray to black staining occurred at approximately 6-feet in depth and were limited to the north end of the excavation, towards the fiberglass pit area. The gray to black staining continued along the north wall (pit area) to a depth of 15-feet. However, the odor of burnt glycol was much more prevalent and overpowering in this region. Samples at **10-feet and 15-feet**, in the center of the spill area were analyzed, resulting in an **OVER-RANGE** of the OVM.

Excavation continued until a volume of 40-feet X 40-feet X 15-feet (bedrock) in depth was established. In terms of the total area that the spill covered, the plume of the spill decreased at the edges to a depth of approximately 2-feet above bedrock along the excavated area. A composite sample from approximately 8-9-feet and from 14-15-feet from each wall was extracted and analyzed utilizing the headspace method. Results of the samples are listed below:

WALLS

Composite sample at 8-9-feet in depth: OVM Results: 51 ppm

Composite Sample at 14-15-feet in depth: OVM Results: OVER-RANGE

A second composite sample was extracted at a depth of approximately **8-feet** in depth and utilizing USEPA Method 418.1 analyzed for **Total Petroleum Hydrocarbons (TPH)**. Results of the above mentioned sample provided a concentration of **36-ppm**.

A series of test holes were then developed around the excavation point for both sampling and to determine how far the plume of the spill had approximately reached. The first test hole (indicated by #1 on schematic) was approximately 15 feet south of the excavation area, and was developed with specific characteristics. It was noted that no hydrocarbon odor was emitted at this point. Also, no soil staining occurred during the excavation to a total depth of 15-feet, when bedrock was reached. Three samples were extracted during excavation and analyzed utilizing Headspace Protocol. Results of the testing are listed below:

Test Hole # 1 @ 8-feet: Non-Detect

Test Hole # 1 @ 10-feet: Non-Detect

Test Hole # 1 @ 15-feet: Non-Detect

A second test hole was then developed approximately 15 feet east of the excavation area and also had specific characteristics. A strong hydrocarbon odor was most notable, and was emitted from 13' to 15' in depth in the clayey loam soils. Bedrock was again encountered at a total depth of 15', where excavation ceased. Three samples were extracted during excavation and analyzed utilizing Headspace Protocol. Results of the testing are listed below:

Test Hole # 2 @ 8-feet: Non-Detect

Test Hole # 2 @ 10-feet: Non-Detect

Test Hole # 2 @ 15-feet: 682 ppm

Finally, a third test hole approximately 25 feet east of the pit area was developed with its own specific characteristics as well. At this area, a hydrocarbon odor was emitted from 14' to 15' in depth in the clayey loam soils region. Bedrock was reached at a total depth of 15', where excavation ceased, with no significant observable soil staining. Three samples were extracted during excavation and analyzed utilizing Headspace Protocol. Results of the testing are listed below:

Test Hole # 3 @ 8-feet: Non-Detect
Test Hole # 3 @ 10-feet: Non-Detect
Test Hole # 3 @ 15-feet: 543 ppm

After consultation with the New Mexico Oil Conservation Division representative, it was determined that an oxidizer would be sprayed into the excavated area and Test Hole # 2. A surfactant was added to the oxidizer, allowing greater penetration of the oxidizer. The oxidizer's role is to enhance bio-degradation of the impacted soil.

Remedial Action (Landfarm):

Total volume excavated was approximately 900-cubic yards of impacted soil. The excavated soils were spread in 4 to 6-inch lifts throughout the location for remedial purposes. The impacted soils were turned, utilizing a farm tractor and disc each day. Two, five-point composites were extracted from the landfarm area. Each composite sample was analyzed utilizing the Headspace method. Results of the Headspace analysis are listed below:

Composite Sample # 1: 77 ppm
Composite # 2: 84 ppm

A third composite sample was extracted from the general area of composite sample # 2. The sample was analyzed utilizing **USEPA Method 418.1** for TPH. Results of the landfarmed material provided a **TPH concentration of 100-ppm**.

Date: 7/16/02
Client: Energen Resources
Lab ID: 0302W02708-2709
Project: Angel Peak B #25E Spill

Dear Client:

The samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed is the result of the analyses.

Comment:

The enclosed report has been independently reviewed for compliance with IML-Farmington's Quality Assurance Plan and Data Quality Objectives. IML has examined all of the data in the report and has made every effort possible to make sure it is complete, accurate, and compliant. Quality Assurance data, if not included, is on file and available upon request.

Unless otherwise noted, all results were obtained by approved methods. Practical Quantification Limits (PQLs) are based on statistically derived determinations, and upon any dilutions necessary to obtain proper method response without matrix interference.

Post-It® Fax Note	7671	Date	# of pages ▶
To	FRANK	From	LEAN
Co./Dept.		Co.	IML
Phone #		Phone #	
Fax #		Fax #	


William Lipps
Laboratory Director/IML-Farmington, NM

Inter-Mountain Laboratories, Inc.

2506 West Main Street
Farmington, NM 87401

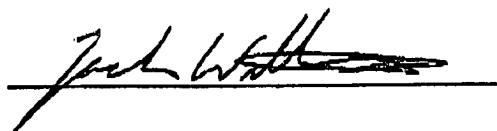
Client: Energen Resources
Project: ANGEL PEAK B # 25E SPILL
Sample ID: WALLS @ 8FT.
Lab ID: 0302W02708
Matrix: Soil
Condition: Cool/Intact

Date Received: 07/05/02
Date Reported: 07/16/02
Date Sampled: 07/03/02
Time Sampled: 0730

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis		
						Date	Time	Init.
Total Petroleum Hydrocarbons 418.1	36	mg/Kg		5	EPA 418.1	07/11/02	1400	ZW

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes (MCAWW)" - EPA/600/4-79-020 - March, 1983.

Reviewed By:



Client: Energen Resources
Project: ANGEL PEAK B # 25E SPILL
Sample ID: LANDFARM
Lab ID: 0302W02709
Matrix: Soil
Condition: Cool/Intact

Date Received: 07/05/02
Date Reported: 07/16/02
Date Sampled: 07/03/02
Time Sampled: 0900

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis		
						Date	Time	Init.
Total Petroleum Hydrocarbons 418.1	100	mg/Kg		5	EPA 418.1	07/11/02	1400	ZW

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes (MCAWW)" - EPA/800/4-79-020 - March, 1983.

Reviewed By: 