# Denny & Fourt DEPUTY OIL & GAS INSPECTOR

AUG 0 9 1999

### Jicarilla Apache Tribe **Environmental Protection Office** P.O. Box 507 Dulce, New Mexico 87528



OIL CON. DIV.

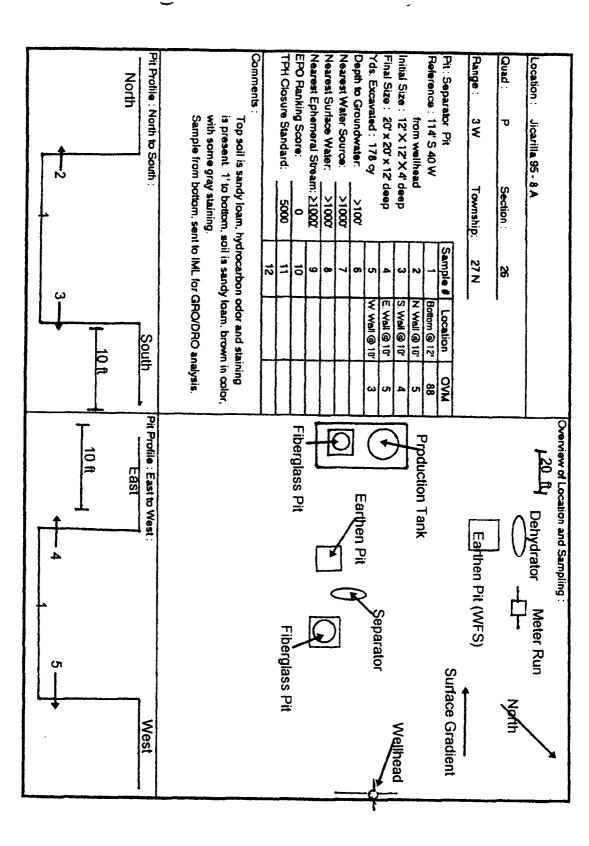
APPREN	Cel Pit	Remediatio	n and Closure Re	eport	0	OC	COM.
Operator:	Taurus Explorat	ion U.S.A., Inc	: Telephone:	(505)	325-6800		
Address:	2198 Bloomfield	Hwy, Farming	gton, NM 87401				
Facility or Well	l Name:	Jicarilla 95-8	A				
Location:	Unit or Qtr/QTR	Sec "P" Sec	26, T 27 N, R 3 W	Coun	ty	Rio	Arriba
Pit Type:	Separator: X	Dehydrator:	Other:				
Land Type:	Range						<u> </u>
<u></u>							
Pit Location:	Pit dimensions:	length: 20 ft	width: 20 ft	depth	: 12 ft	_	
(Attach Diagrai	m)					•	
	Reference:	wellhead: X	other:				
Foota	ge from reference:	114 feet				•	
Directi	on from reference:	40	Degrees	East	North		
					of		
			X	West	South	Χ	
Depth To Grou	ndwater:		Less than 50 feet		(20 points)		
(Vertical distan	ce from		50 feet to 99 feet		(10 points)		
contaminants to	o seasonal	G	reater than 100 feet		(0 points)		0
high water elev groundwater)	rations of						
Distance to an	Ephemeral Stream	1;	Less than 100 feet		(10 points)		
(Downgradient	dry wash greater t	han G	reater than 100 feet		(0 points)		0
ten feet in widtl	ר)						
Distance to Ne	arest Lake, Playa,	or Watering	Less than 100 feet		(10 points)		
Pond: (Downgr	adient lakes, playa	s, and Gr	eater Than 100 feet		(0 points)		0
livestock or wild	dlife watering pond	is)					
Wellhead Prote	ection Area:		Yes		(20 points)		
(Less than 200	feet from a private	•	No		(0 points)		0
domestic water	source, or less that	an					
1000 feet from	all other water sou	rces)					
Distance To Su	ırface Water:		Less than 100 feet		(20 points)		
(Horizontal dist	ance to perennial	1	00 feet to 1000 feet		(10 points)		
lakes, ponds, ri irrigation canals	vers, streams, crees s and ditches.)	eks, Gre	eater than 1000 feet		(0 points)		0
-	,	1	RANKING SCORE (	TOTAL	SCORE		0

# Jicarilla Apache Tribe Environmental Protection Office P.O. Box 507

Dulce, New Mexico 87528

### Pit Remediation and Closure Report

Date Remediation Started:	6/16/98	Date Completed	6/17/98							
Remediation Method:	Excavation:	Х	Approx. cubic yaı	Approx. cubic yaı 178						
(Check all appropriate	Landfarmed:	X	Insitu Bioremediation:							
sections)	Other:									
Remediation Location:	On-site:	X	Off-site:							
(I.e. landfarmed on site,										
name and location of										
off site location)										
General Description of Remedial	Action:	Soil was excavat	ted and landfarmed on i	ocation.						
	·	·								
Groundwater Encountered:	No: X	Yes:	Depth:							
Final Pit	Sample location	:Pit bottom @ 12	feet below surface. Pit							
Closure Sampling:	walls were analyzed for Headspace (see attachment).									
(If multiple samples,										
attach sample results										
and diagram of sample	Sample depth:	12 feet								
locations and depths.)	Sample date:	6/17/98	Sample time:	1330						
Sample Results:			<del> </del>							
Soil:			Water:							
Benzene (ppm)			Benzene (ppb)							
Total BTEX (ppm)	<del></del>		Toluene (ppb)							
Field Headspace (ppm)	88	. Eth	nylbenzene (ppb)							
TPH (ppm)	640	. To	tal Xylenes (ppb)							
Groundwater Sample:	Yes:		No: X	ı						
(If yes, attach sample results.)										
HEREBY CERTIFY THAT TH	E INFORMATION	ON ABOVE IS T	RUE AND COMPLET	TE TO						
THE BEST OF MY KNOWLED	GE AND BELIE	F		į						
DATE: 8/27/98			Frank McDonald							
A.	12/1 00			l l						
SIGNATURE FLOOR	2/1/	AND TITLE:	Env. Division Mana	ger						
<u> </u>	/	<del>11</del>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>							
AFTER REVIEW OF THE PIT				11						
IN ACCORDANCE TO THE JI	CARILLA APAC	HE TRIBE PIT	CLOSURE ORDINAN	ICE						
APPROVED: Yes: X	No:	(Reason)								
1/ _ ~ 7~	a //	/	0 7	90						
SIGNED: Lew 77	1 am		DATE: 9-2-	10						



Environmental Specialist: FM

Cimarron Oillield Services

Page \_\_1\_\_of\_\_\_1\_

### **GASOLINE RANGE ORGANICS - GRO**

### **Taurus Exploration**

Project ID:

Jicarilla 95 #8a/Abandoned Sep. Pit

06/25/98

Sample ID:

Bottom @ 12"

Date Sampled:

Report Date:

06/17/98

Lab ID:

0398G03350

Date Received:

06/18/98

Sample Matrix:

Soil

Date Analyzed:

06/19/98

Condition:

Cool/Intact

i) Result	TECTION LIMIT
	 £ 6

Gasoline-Range Petroleum Hydrocarbons

580

5.0 mg/kg

Total Volatile Petroleum Hydrocarbons

630

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reviewed By:

2506 W. Main Street Farmington, New Mexico 87401

### **DIESEL RANGE ORGANICS - DRO**

**Taurus Exploration** 

Project ID:

Jicarilla 95 #8A / Abandoned Sep. Pit

Sample ID:

Bottom @ 12' 0398G03350

Cool/Intact

Lab ID: Sample Matrix:

Condition:

Soil

Report Date:

06/23/98

Date Sampled: Date Received:

06/17/98

Date Analyzed:

06/18/98 06/23/98

TPH DIESEL-RANGE (MOD EPA 8015)

RESULT

**DETECTION LIMIT** 

Diesel-Range Petroleum Hydrocarbons

110

5.0 mg/kg

Gasoline 180 mg/kg

Quality Control -Spike Recovery

%

**QC Limits** 

Diesel Fuel

20-150

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:



# CHAIN OF CUSTODY RECORD

				$\overline{}$										. (			
1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945	I	inclinideration of toplinates	Junes A Lace Ca	March Maller	inquished by: (Signature)								2 the 10 12 th 61	Sample No./ Identification	Sampler: (Signature)	Client/Project Name	
1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	- -			1									17/88 /330	Date Time	hall	a hier	
	າter-Mounta			(				1241	/ ) )					Lab Number	Chain of Cu	Proje	
2506 West Main Street 2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	Inter-Mountain Laboratories,	Date	25,	C.	_		7						Tu	Matrix	Chain of Custody Tape No.	Project Location	
1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	ies, Inc.	Heceived by laboratory; (Signature)	Received by: (Sign	7 8										No. of Contair	ners	Misandored	
<b>9718</b> 8450		atory; (Signature	(Signature)	ature)						:			X	£20/	DRO 345	ANA	
11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945		Æ.		-				11								ANALYSES / PARAMETERS	
		Date	Date	Date //Z/12			\$			1					Remarks	TERS	
54413		* Time	Time	i me	!			//									

### JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

### **ON-SITE SOIL REMEDIATION REPORT**

Operator: Taurus Exploration USA Inc. Telephone: (505) 325 - 6800										
Address: 2198 Bloomfield Hwy, Farming	ton N.M. 87401									
Facility or Well Name: <u>Jicarilla 95-8A</u>										
Location: Unit or Qtr/Qtr Sec_P_Sec_2	26 T 27 N R 3 W County Rio Arriba									
Land Type: Range										
Date Remediation Started: 6/16/98 Da	te Completed: 12/3/98									
Remediation Method: Landfarmed X Approx. cubic yards 178										
Composted										
Other										
Depth to Groundwater: (pts) 0	Final Closure Sampling:									
Distance to an Ephemeral Stream (pts) 0	Sampling Date: <u>12/3/98</u> Time: <u>10:35</u>									
Distance to Nearest Lake, Sample Results:										
Playa, or Watering Pond (pts) 0	Field Headspace (ppm)									
Wellhead Protection Area (pts)0	TPH (ppm) <10 Method 8015									
Distance to Surface Water (pts)0	Other:									
RANKING SCORE (TOTAL POINTS): 0										
I HEREBY CERTIFY THAT THE INFORMATION ABOUT INFO	WE IS TRUE AND COMPLETE TO THE BEST OF MY  ME VIRGIL CHAVEZ  AND TITLE ENV. SPECIALIST									
AFTER REVIEW OF THE SOIL REMEDIATION INFOR	/									
APPROVED IN ACCORDANCE TO THE TICARILLA A APPROVED: YES NO (REASON)	PACHE TRIBE PIT CLOSURE ORDINANCE.									
SIGNED: Kon Combando DA	TE: 1-20-99									

Location : Jicarilla 95 - 8A		-l	entrance
Quad: P Section:	26		
Township: 27 N Range:	3 W	-1	North
Pit: Separator	Sample # Location OVM 1 Comp 1 0.2		o well head fiberglass pit
Reference 65' N 20 W from		•	
wellhead	ω		
	4		
Size: 100' x 25' x 2'	5		seperator C
	6		
	,,	1	
	ဖ ်		ear tien separator pri
1 5 - Point Composites	10		
	11	meter run	production tank
	12		
		Surface Gradient	
Comments : Soil is moist, light br	Soil is moist, light brown, sandy/loam, with no staining or detectable hydrocarbon odor.  A sample from composite # 1 was sent to IML for GRO/DRO analysis.	or detectable hydrocarbon oddo/DRO analysis.	Or.
Environmental Specialist : JE			

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

## **GASOLINE RANGE ORGANICS - GRO**

### **ENERGEN RESOURCES**

Project ID: Jicarilla 95-8A Sep. Pit Report Date: 12/31/98 Landfarm Comp #1 Sample ID: Date Sampled: 12/03/98 0398G07047 Date Received: Lab ID: 12/07/98 Sample Matrix: Soil Date Analyzed: 12/24/98\*

Condition: Cool/Intact

TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	<5.0	5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments: \*Sample was analyzed within the holding times, however, due to instrument problems

and QC failure, the sample was re-analyzed to verify results.

Reported By:

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

## **DIESEL RANGE ORGANICS - DRO**

### **ENERGEN RESOURCES**

Project ID:

Jicarilla 95-8A Sep. Pit

Sample ID:

Landfarm Comp #1

Lab ID:

0398G07047

Sample Matrix: Condition:

Soil

Cool/Intact

Report Date:

12/29/98

Date Sampled:

12/03/98

Date Received:

12/03/98

Date Analyzed:

12/17/98

TPH DIESEL-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	<5.0	5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:

Reviewed By



# CHAIN OF CUSTODY RECORD

1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945		Relinquished by: (Signature)	Relinquished by: (Signature)		Relinquished by: (Signature)												Landform Cappy	Sample No./	Sampler: (Signature)	(7	Client/Project Name
1701 P Gillette		1		X		\		\									17/3/18	Date		14/4/45	
ITILET-I	_		~	^	`\	)											10:25	Time			
5 IVIC																		Lab Number	Chain		
Unitain Laborato  2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737		7	D	121	D					`								Der .	Chain of Custody Tape No.	J. con 114 95-314	Project Location
ADOR Main Stree NM 8740 505) 326-	6		Date	1886151	Date														Tape No	14 95	cation
atorie # 1 1737	- Ime		Time	65:00	Time												3	Matrix		-314	
S, INC.  1160 Research Drive Bozeman, Montana 5 Telephone (406) 586-	Heceived by		Received by:		Received by:															60. P.+	
arch Drive Montana 59718 (406) 586-8450	by laboratory: (Signature)		by: (Signature)		by: (Signature)				_								<b>~</b>	No. of Contain	ers		
	/: (Signate		<b>e</b>	-	<u>.</u>								1				<b>×</b>	5016 6KO	Des	AN	
11183 State Hwy, 30 College Station, TX 7	ure)	,			-											-				ALYSES /	
11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945													1/0							ANALYSES / PARAMETERS	
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