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.

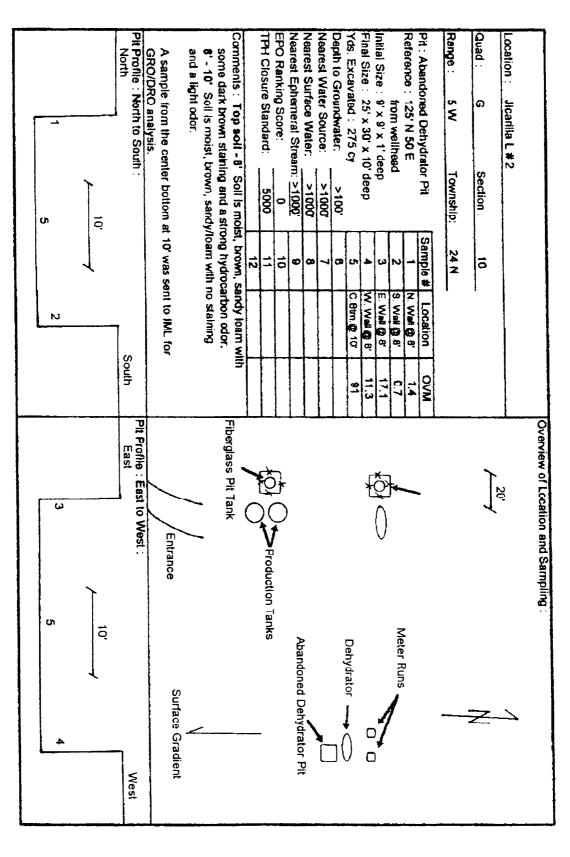
Pit Remediation and Closure Report

Operator:	Taurus Explorati	on U.S.A.,	nc Telep	none:	(505)	325-6800		
Address:	⊸21 98 Bloom field	Hwy, Farm	ington, NM 8	7401				
Facility or Well	Name:	Jicarilla L	‡ 2					
Location:	Unit or Qtr/QTR	Sec "G" S	ec 10, T 24	N, R5W	Count	y	Rio A	Arriba
Pit Type:	Separator:	Dehydrato	r: Other	X - Aband	doned	Dehydrator	Pit	
Land Type:	Range							
			· · · · · · · · · · · · · · · · · · ·					<u></u>
Pit Location:	Pit dimensions:	length: 25	ft width:	30 ft	depth	: 10 ft		
(Attach Diagrar	n)							
	Reference:	wellhead:	X other:					
Foota	ge from reference:	125'			_			
Direction	on from reference:	50	Degre	es X	East	North	X	
						of		
					West	South		
						·		
Depth To Grou	ndwater:		Less th	an 50 feet		(20 points)		
(Vertical distan	ce from		50 fee	to 99 feet		(10 points)		
contaminants t	o seasonal		Greater tha	in 100 feet		(0 points)		0
high water elev	ations of							
groundwater)								
Distance to an	Ephemeral Stream	n:	Less tha	in 100 feet		(10 points)		
(Downgradient	dry wash greater	than	Greater tha	in 100 feet		(0 points)		0
ten feet in widt	h)							
Distance to Ne	arest Lake, Playa	or Waterin	g Less tha	an 100 feet	t	(10 points)		
Pond: (Downgi	radient lakes, play	as, and	Greater Tha	n 100 feel	t	(0 points)		0
livestock or wil	dlife watering pon	ds)						
Wellhead Prot				Yes	3	(20 points)		
(Less than 200) feet from a privat	е		No)	(0 points)		0
domestic wate	r source, or less th	an						
1000 feet from	all other water so	urces)						
Distance To S	urface Water:		Less th	an 100 fee	t	(20 points))	
II .	tance to perennia			1000 fee		(10 points)		
li'	rivers, streams, cr		Greater tha			(0 points)		0
ii '	ls and ditches.)	•				` '		
			RANKIN	SCORE	(TOTA	AL SCORE)		0

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

Pit Remediation and Closure Report

Date Remediation Started:	8/13/98	Date Completed	8/24/98	
Remediation Method:	Excavation:	X	Approx. cubic yaı	275
(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	location.
Groundwater Encountered:	No: X	Yes:	Depth:	
Final Pit	Sample location	:Pit bottom @ 10	feet below surface. All	walls were
Closure Sampling:		tested for field H	leadspace (see attachm	nent)
(If multiple samples,				
attach sample results				
and diagram of sample	Sample depth:	10 feet		
locations and depths.)	Sample date:	8/24/98	Sample time:	11:30
Sample Results:				
<u>Soil:</u>		_	Water:	
Benzene (ppm)		_	Benzene (ppb)	
Total BTEX (ppm)		_	Toluene (ppb)	
Field Headspace (ppm)	91	_ Et	hylbenzene (ppb)	
TPH (ppm)	83	_ Tc	otal Xylenes (ppb)	
Groundwater Sample:	Yes:	_	No: X	;
(If yes, attach sample results.)				
I HEREBY CERTIFY THAT TH	IE INFORMATI	ON ABOVE IS	TRUE AND COMPLE	TE TO
THE BEST OF MY KNOWLED	GE AND BELL	EF		
DATE: 10/16/98			Frank McDonald	
an on	-1-17 6	2.7		
SIGNATURE Shade	1/2/ Jarl	AND TITLE:	Env. Division Man	ager
	17 7			
AFTER REVIEW OF THE PIT	CLOSURE IN	ORMATION PI	T CLOSURE IS APP	ROVED
IN ACCORDANCE TO THE J	CARILLA APA	CHE TRIBE PIT	CLOSURE ORDINA	NCE
APPROVED: Yes: 🔀	No:	(Reason)		
	00	\sim	1	1
SIGNED:	Many	<u> </u>	DATE: 10 27	178



Environmental Specialist: VC

Cimarron Oilfield Services

Page 1 of

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla L #2 Dehy Pit

Sample ID:

C. Bottom @ 10'

0398G04867

Cool/Intact

Lab ID: Sample Matrix:

Soil

Condition:

Report Date:

Date Sampled:

09/01/98 08/24/98

Date Received:

08/25/98

Date Analyzed:

08/28/98

Gasoline-Range Petroleum Hydrocarbons

<5.0

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:

Diesel Range Organic - DRO

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla L#2 Dehy Pit

Report Date:

08/31/98

Sample ID:

Jic. L#2 C. Btm @ 10'

Date Sampled:

08/24/98

Lab ID:

0398G04867

Date Received:

08/25/98

Sample Matrix:

Soil

Date Analyzed:

08/28/98

Condition:

Cool/Intact

TPH DIESEL-RANGE (MOD EPA 8015)	RESULT mg/Kg	DETECTION LIMIT
Diocal Banga Botroloum Hydrocarbans	77.0	5 0 ma/ka

Diesel-Range Petroleum Hydrocarbons

77.9

5.0 mg/kg

Total Extractable Petroleum Hydrocarbons

88.9

5.0 mg/kg

Quality Control:

Surrogate

Percent Recovery Acceptance Limits

O-Terphenyl

104%

70-130%

Comments:

Reference:

USEPA Manual SW-846, Methods, 3510,3550a, 8015Mod, Revision 2, 1996.

Hydrocarbons in Soil - 8015AZ, Revision 0, 1998.



CHAIN OF CUSTODY RECORD



24088	11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945	[] 1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	(160 Research Drive Bozeman, Montana 5 Telephone (406) 586-	⊠ 2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	∑ 2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4	(1701 Phillips Circle 1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945		(1633 Terra Avenue 1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945
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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, Farmingt	on N.M. 87401									
Facility or Well Name: <u>Jicarilla L # 2</u>										
Location: Unit or Qtr/Qtr Sec_G_Sec_1	10 T 24 N R 5 W County Rio Arriba									
Land Type: Range										
Date Remediation Started: 8/13/98 Date	te Completed: 12/1/98									
Remediation Method: Landfarmed X	Approx. cubic yards 275									
Composted	_									
Other	_									
Depth to Groundwater: (pts) 0	Final Closure Sampling:									
Distance to an Ephemeral Stream (pts) 0	Sampling Date: <u>12/1/98</u> Time: <u>12:30</u>									
Distance to Nearest Lake,	Sample Results:									
Playa, or Watering Pond (pts) 0 Field Headspace (ppm) 5.1										
Wellhead Protection Area (pts)0	TPH (ppm) <10 Method 8015									
Distance to Surface Water (pts)0	<u> </u>									
RANKING SCORE	Other:									
(TOTAL POINTS): 0										
I HEREBY CERTIFY THAT THE INFORMATION ABO	OVE IS TRUE AND COMPLETE TO THE BEST OF MY									
KNOWLEDGE AND BELIEF	AME VIDGII CHAVEZ									
DATE: 1/8/99 PRINTED NAME VIRGIL CHAVEZ										
SIGNATURE //	AND TITLE ENV. SPECIALIST									
AFTER REVIEW OF THE SOIL REMEDIATION INFO	RMATION. ON-SITE SOIL REMEDIATION IS									
APPROVED IN ACCORDANCE TO THE JICARILLA A APPROVED: YES X NO (REASON)	APACHE TRIBE PIT CLOSURE ORDINANCE.									
1	ATE: 1-20-99									

Pit Size LF#1 - 75' x 35' x 1' deep Size LF#2 - 65' x 55' x 1' deep Yds Environmental Specialist : JE Size LF#3 - 45' x 30' x 1' deep Reference : Quad Comments: Soil is moist, brown, sandy/loam, with no visible staining and a slight hydrocarbon odor. LF # 1 - 150' N 5 W LF # 2 - 40' W LF # 3 - 100' S 40 W Township: Location: Jicarilla L # 2 275 5 - Point Composites Dehydrator Pit A sample from composite # 1 was sent to IML for GRO/DRO analysis. 24 N ର Range Section Sample # 5 W 10 0 ဖ α တ Ç Comp 1 Comp 2 Location MVO <u>ω</u> 51 Overview of Landfarm and Sampling seperator tank seperator land farm #1 north production tanks meter run meter run land farm #2 land farm #3

Taurus Exploration USA Inc.

Date Started: August 13, 1998 Date Completed: December 1, 1998

dehy pit



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

2506 West Main Street, Farmington, NM 87401

GASOLINE RANGE ORGANICS - GRO

ENERGEN RESOURCES

Project ID:

Jicarılla L #2 Landfarm

Report Date:

12/31/98

Sample ID:

Composite #1

Date Sampled:

12/02/98 12/02/98

Lab ID: Sample Matrix: 0398G06960 Soil

Date Received: Date Analyzed:

12/29/98*

Condition:

Cool/Intact

TPH GAS-RANGE (MOD EPA 80°	15)	RESULT	DETECTION	ON 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 had to be re-analyzed to verify results.

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

2506 West Main Street, Farmington, NM 87401

DIESEL RANGE ORGANICS - DRO

ENERGEN RESOURCES

Project ID:

Jicarilla L #2 Landfarm

Report Date: 12/22/98

Sample ID:

Composite #1 0398G06960

Date Sampled: 12/02/98

Lab ID: Sample Matrix:

Soil

Date Received:
Date Analyzed:

12/02/98 12/16/98

Condition:

Cool/Intact

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:

Reviewed By:



CHAIN OF CUSTODY RECORD

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