District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Oil Conservation Division 1000 Rio Brazos Road, Aztec, NM 87410 1220 South St. Francis Dr.

RECEIVED Submit to appropriate District Office

☐ AMENDED REPORT

District IV 1220 S. St. Fr	ancis Dr., S	Santa Fe	, NM	I 87505			1220 So Santa		Franc M 875		NOV 1	9 2004	A A	MENDED REPORT
APPI	LICAT	'ION	FO]	R PERMIT	гтор	RIL					999:06 N. PLUGB	ACK	OR AI	DD A ZONE
Latigo Pet				¹ OperatorNam	e and Addre	ess					227001	² O)GRID Num	ber
550 W. Te	exas, Sui	te 700	Mi	dland, , TX	79701						30 - (315	API Numbe	744
³ Prope	rtyCode						⁵ Property	Name			. , , , , ,			ell No.
	Und				IARKS 3	6 ST.	ATE	.	<u> </u>	 	10.70	Ш.	2	<u> </u>
INDIAN E			PE	ProposedPool 1 NN ASSOC							· Pi	roposed	IPool 2	
<u> </u>						7	Surface	Locat	ion	1.1.4				1
UL or lot no.	Section	Town	ship	Range	Lot	-	Feet fro			outh line	Feet from the	E	ast/Westline	County
N	36	218		24E			660'	·	South		1980	W	est	EDDY
		т		⁸ Prop			ole Locat						· ·	·
UL or lot no.	Section	Town	ship	Range	Lot	Idn	Feet fro	om the	North/S	outh line	Feet from the	E	East/Westline	County
	L	I			Α	dditio	onal We	llInfo	rmati	on	I ,			
11 Work	Type Code	<u> </u>		12 Well Type Co				/Rotary			14 Lease Type Code		15 G1	round Level Elevation
New Drill			Oil	17 Proposed Der		R	18 Eor	nation		S	19 Contractor		3825'	20 Spud Date
14	unapie		8,70		Jui	Cisc	o/Canyo			J/W D			12/0	01/2004
Depth to Grou	ındwater	150)'		Distanc	efrom	nearestfres	h water v	vell 0,000' N	JW	Distance f	rom nea	arest surface	water miles NE
Pit: Liner	Synthetic			ilsthick Clay] Pit Vo	lume: <u>5</u>	00_bbls			ngMetho	<u>d.</u>			inites IVE
Close	d-Loop Sys	tem 🗆]						Fresh \	Vater X	Brine X Diese	l/Ol-ba	sed 🗆 Gas	s/Air ⊠
				2	¹ Propo	sed (Casing a	nd Ce	ment	Progra	ım			!
Hole S	Size		Cas	sing Size	Casin	g weig	ht/foot		Setting D	epth	Sacks of	Cemen	nt	Estimated TOC
12 1/4"		9 5/8	3"		36# J-5	5		1,600	,		795 sxs		Sur	face
8 3/4"		7"			26# L-8	30		8,700)¹ 		1570 sxs		Sur	face
										·		-		
		 								 .				
²² Describe t	he propose	d progra	m. If	this application	is to DEEP	EN or	PLUG BAC	K, give	the data	on the pre	esent productive z	one and	i proposed n	ew productive zone.
				ram, if any. Use irculation to a										
MIRT, air	rig, and c	irili w/	air t	o a depth of I					own ab	ove.				:
MORT air Drill hole t		AIKT 1	w/flu	iid system.										
				o/Canyon inte	erval.									
Set and cm	t long su	mg as	SHOV	wii above.						MU.	TIFY OCD	OT	WITNI	ESS
										VI []	L CASING	STE	RINGS	
									•	استعار				
							*****		1					
				given above is to certify that the				138	9/	OIL 0	CONSERV.	ATIC	ONDIVI	SION
constructed	according	to NM	OCD	guidelines X,				Appro	wed by:					
an (attached	l) alternati	ve OCI)-app	proved plan .					_			504	M W. (21186
Printed name	Donna	a Frazi	er	Non	~) a	£1/	wer	Title:			DIST			PERVISOR
Title:	Produ	ction A	Anal	yst			0	Appro	val Date	DEC	0 2 2004		ration Date:	
E-mail Addre	ess: dfrazi	er@lat	tigop	etro.com										DEC 0 2 2005
Date: 11/	18/2004			Phone:	(432)684	1_420	3	Condi	tionsof A	pproval	Attached			0 Z Z005

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1625 N. French Dr., Hobbs, NM 88240
DistrictII
1301 W. Grand Avenue, Artesia, NM 88210
DistrictIII
1000 Rio Brazos Road, Aztec, NM 87410
DistrictIV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144 June 1, 2004

Santa Fe, NM 87505
Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tan Type of action: Registration of a pit o	k covered by a "general plan"? Yes 🔀 No or below-grade tank 🛭 Closure of a pit or below-gra	adetank 🗆
	ne: (432)684-4293 e-mail address: dfrazier@la	I
Facility or well name: TWO MARKS 36 STATE #2 API#:	U/Jor Otr/Otr N Sec 36 T 2	21S _R 24E
County: EDDY Latitude Longitude		
Edition Edition		
Pit	Below-gradetank	
Type: Drilling X Production Disposal	Volume:bbl Type of fluid:	
Workover Emergency	Construction material:	
Lined \(\sum \) Unlined \(\sum \)	Double-walled, with leak detection? Yes If no	
Liner type: Synthetic ▼ Thickness 12 mil Clay □		•
Pit Volume 500 bbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)
water elevation of ground water.)	100 feet or more	(0 points) RECEIVED
	Yes	(20 points) NOV 1 9 2004
Wellhead protection area: (Less than 200 feet from a private domestic	No	(0 points) OCDSARTERIA
water source, or less than 1000 feet from all other water sources.)	140	(opomes)
Distanceto surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
•	200 feet or more, but less than 1000 feet	(10 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	(0 points)
	Ranking Score (Total Points)	0
If this is a pit closure (1) attach a diagram of the facility showing the pit's	s relationship to other equipment and tanks. (2) Indica	ate disposal location: (check the onsite box if
your are burying in place) onsite offsite If offsite, name of facility	(3) Attach a general (description of remedial action taken including
remediationstart date and end date. (4) Groundwater encountered: No 🗌		
Attach soil sample results and a diagram of sample locations and excavation		
AdditionalComments:		
A Martinia Comments.		· · · · · · · · · · · · · · · · · · ·
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines \square . Date: $11/12/2004$		
Printed Name/Title Donna Frazier Production Analyst	Signature Mmu Tra	211
Your certification and NMOCD approval of this application/closuredoes no otherwise endanger public health or the environment. Nor does it relieve the regulations.		
Approval: Iseld Sup P	<u> </u>	DEC 1 2004
Printed Name/Title	Signature // Signature	Date:

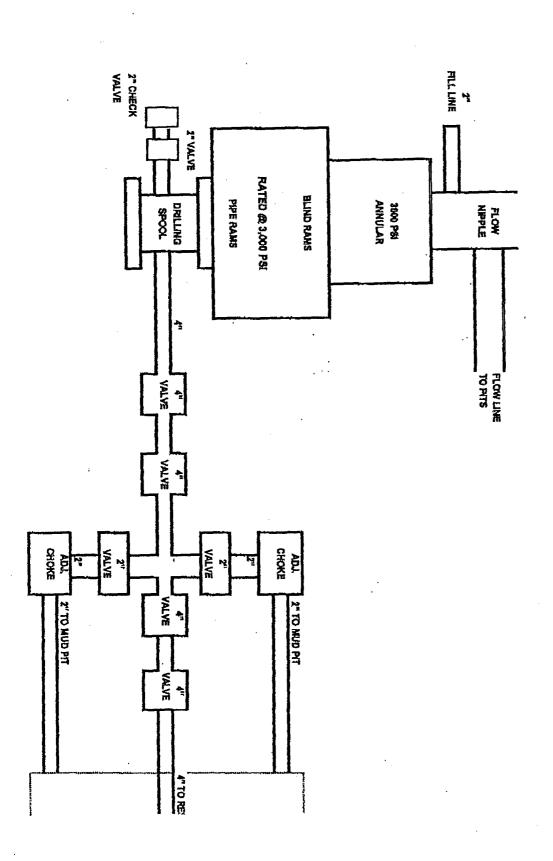
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies

Fee Lease - 3 Copies

			ABTT FO			CREAGE DEDIC				
1 /	API Number	•		² Pool Code	•		³ Pool Na			
							N BASIN, UPPER P	ENN, ASSO		
⁴ Property Code						rty Name KS 36 STATE		6 Well Number		Yell Number #2
						tor Name				Elevation
227001	i				-	ROLEUM, INC.				3825
						ce Location				
JL or lot no.	Section	Township	Range	Lot Idn	Feet from the		Feet from the	East/We	est line	County
N	36	21-S	24-E		660	SOUTH	1980	WE	- 1	EDDY
	L	L	11 D	ottom Ho	le I continu	n If Different Fro	m Surface	<u> </u>		
JL or lot no.	Section	Township	Range	Lot Idn	Feet from the		Feet from the	East/We	est line	County
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Dedicated Acre	es 13 Joint	or Infill	Consolidatio	n Code	<u> </u>		15 Order No.	L		
			Consolidatio				Grace No.			
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				1,			I hereby o	ertify that th	e well loca	ition shown on t
				1			plat was p	plotted from	field notes	of actual survey
				1			made by i	ne or under	my supervi	sion, and that th
							same is tr	ue and corre	ect to the be	est of my belief.
							10/25/04	130	R. PFAL	
		 		}			Date of Sur	& Billion	MEV	2
				7			Signaturo	nd Seal oiking	tessional Sym	1 1
	1000		210	LAT.:	32°25'48.14'	,	(5		1082	SURVEYOR
	1980'	 	>• #2		: 104°27'12.		(?	ノル		18/
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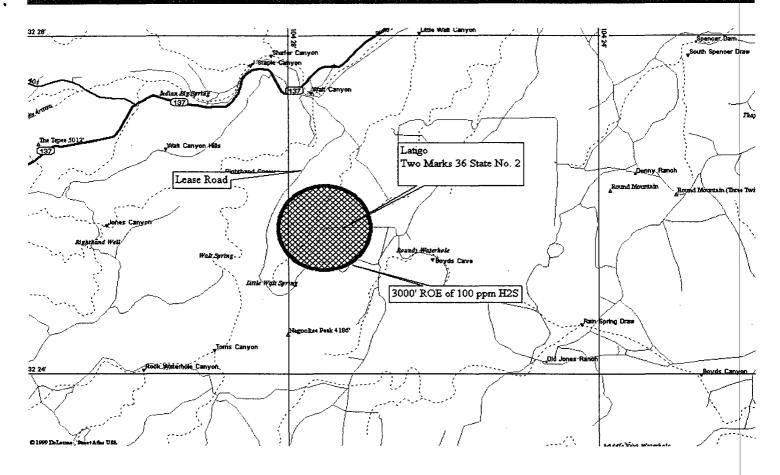
Latigo Petroleum, Inc. 415 West Wall Street, Suite 1900 Midland, Texas 79701 432-684-4293

Hydrogen Sulfide (H2S) Contingency Plan for

Two Marks 36 State No. 2

660 FSL and 1980 FWL Sec 36, T21S, R24E Eddy County, NM

Two Marks 36 State No. 2



Description of Site

This is an open drilling site. It is located on top of a mesa with very good air flow and no blocking canyon walls.

Monitoring Equipment

Hydrogen Sulfide monitors and emergency response equipment will be on location 500' prior to encountering any/all zones known or suspected of containing Hydrogen Sulfide. Equipment to include monitors, signs and wind flogs.

Radius of Exposure (ROE)

The 100 ppm Radius Of Exposure (ROE) is calculated for 3000 and shown on the map.

Escape from Area

All personell are to escape UPWIND of escaping gas. Escape is via the lease road shown to Highway 137 shown on the map. There are NO homes or other building in or near the ROE.

Two Marks 36 State No. 2

Emergency Procedures

In the case of a release of gas containing H2S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H2S, measures for the protection against the gas, equipment used for protection and emergency response. Additionally, the responders must be equipped with H2S monitors and air packs in order to control the release. Use the 'Buddy System' to ensure no injuries occur during the response.

Gas Source Ignition (Firing)

Should control of the well be considered lost and ignition considered, care to protect against Sulfur Dioxide, SO2, must be taken by all. Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command(ers) on scene of any major release. An ignition of gas requires that all downwind be protected.

Gas Characteristi	cs				
Common Name	Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Conc.
Hydrogen Sulfide	H2S	1.189, Air=1	10 ppm	100 ppm/Hr	600 ppm
Sulfur Dioxide	SO2	2.21, Air=1	2 ppm	N/A	1000 ppm

Contacting Authorities

Latigo Petroleum, Inc. personnel must and will liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours after the occurrence of the event. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. The following call list, next page, of essential and potential responders has been prepared for use during a release. Latigo Petroleum, Inc. response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER).

Two Marks 36 State No. 2

Latigo Petroleum Contacts

Name	Office	Cellular	Home
Bruce Woodard, Operations Manager	432-684-4293	432-894-2640	432-697-6243
Rodeny Long, Field Foreman	505-391-9291	432-894-2648	432-524-3822
Ronnie Pryer, Field Foreman	505-391-9291	432-894-2650	505-391-8698
Mark A. Fairchild, Engineer	432-684-4293	432-894-2558	432-684-0524

Agency Contacts

Agency Contacts		Al
City	Entity	Number
Artesia	State Police	505-746-2703
	City Police	505-746-2703
	Sheriff's Office	505-746-9888
	Ambulance	911
	Fire Department	505-746-2701
	Local Emergency Planning Committee	505-746-2122
	NMOCD	505-748-1283
Carlsbad	State Police	505-885-3137
	City Police	505-885-2111
	Sheriff's Office	505-887-7551
	Ambulance	911
	Fire Department	505-885-2111
	Local Emergency Planning Committee	505-887-3798
	US Bureau of Land Management	505-887-6544
Sana Fe	NM Emergency Response Commission	505-827-9126
Washington, DC	US Emergency Response Center	800-424-8802

Other Contacts

 		
Location	Number	
Midland/Odessa, TX	432-699-0139	
New Mexico Yard	505-746-2757	
Lubbock, TX	806-743-9911	
Albuquerque, New Mexico	505-842-4433	
	Midland/Odessa, TX New Mexico Yard Lubbock, TX	