1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources RECEIVED Form C-101 May 27, 2004

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Oil Conservation Divsiion 1220 S. St. Francis Dr.

NOV 1 7 2004 ubmit to appropriate District Office

OCD-AHTESIA

1220 S. St. Franc	•	•		o DD	Santa Fe,	*		DI LICIDA CI		NDED REPORT	
APPLIC	CATION		erator Name and		ILL, RE-E	NIE.	R, DEEPEN,		² OGRID Numbe		
Marathon Oi	1 Company	7							014021		
	P.O. Box 3487 Houston Tx. 77253							30-, 30-015 -	³ API Number		
	erty Code				⁵ Property	Name		1 30-/ 30-015 -	- 27400 ⁶ We	ll No.	
· -	408			I	NDIAN HILLS		MMO			8	
		9 Proposed						¹⁰ Proposed P	ool 2		
	C	emetary-	Morrow								
					⁷ Surface	Loca	tion				
UL or lot no.	Section	Township	Range	Lot. Id	n Feet from	the North/South Line		Feet from the	East/West line	County	
M	36	205	24E		976		SOUTH	660	WEST	EDDY	
		8 F	Proposed F	Bottom	Hole Locat	ion I	f Different Fro	m Surface			
UL or lot no.	Section	Township	Range	Lot. Id			North/South Line	Feet from the	East/West line	County	
]		<u> </u>	1111 1 1 =		<u> </u>				
					Additional W						
11 Work T	Code	ター	² Well Type Cod	le	13 Cable/Rotary		¹⁴ Lease Type Code		15 Ground Level Elevation		
15.	7		G	_	Rota		S .		3631'		
10 Mul	tinle	'	Proposed Dept 9650 '	h	18 Forma Morr a		¹⁹ Contractor		²⁰ Spud Date		
Depth to ground	water	100'	9650	Distance f	rom nearest fresh		well	Distance from neare	<u> </u>	LSAP	
Pit: Liner: Sv	nthetic X 1		abiala Clas	/	Pit Volume 2	500	hile Dellin Mad				
•	oop System		tnick Clay	/ Ш			bbls Drilling Meth		il-based 🔲	Gas/Air 🔲	
L		· · · · · · · · · · · · · · · · · · ·	²¹ F	Propose	ed Casing ar	nd Ce	ment Program	<u> </u>			
Hole S	Size	Cas	sing Size		g weight/foot	Setting Depth Sacks of Cement Estimated TOC					
12.2	25"	9.	9.625"		36		1206'	1605		SUFRACE	
8.75"			п		26 & 23		8020 '	1250'		+-1000'	
6.125"		4	4.5"		10.5		9650 '	150		7,500'	
MARATHON O MARATHON W A 4.5' LIN	WOUT PREVENTION THE COMPANIES THE PRINTER	on program, i IY INTEND A 6.125 BE RUN AN	fany. Use addi S TO PLUG " HOLE TO D CEMENTED	OFF EXPENDING IN PL	ets if necessary. ISTING PRODUCTION THE MORE ACE W/150SKS	ICING ROW, I	INTERVAL(UPPE	r penn) w/ 1	50sks. Of Ce	new productive zone.	
						- A					
²³ I hereby certify that the information given above is true and complete to the best of properties of the drilling pit will be					OIL CONSERVATION DIVISION						
constructed according to NMOCD guidelines a general permit, or an (attached) alternative OCD-approved plan.					Approved by: TIM W. GUM						
Signature: mamuch Printed name: Mike Mick					Title: DISTRICT II SUPERVISOR						
Title: ADVANCED Sr. ENGINEERING TECHNICIAN						1	oval Date C	0 2004 F	piration Date E	<u> </u>	
E-mail Address:	mfmick@	narathono	il.com			PPI		8 2004 1 E	-Landin Dalby	∨ 0 8 2009	
Date: Phone:					Conditions of Approval:						
11-15-04 713-296-3254					Attached						
			/ 23-230-3234				Attached				

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 & Natural Resources RECEIVED

Form C-102 Revised June 10, 2003

OIL CONSERVATION DIVISION NOV 3 0 Submit to Appropriate District Office 1220 South St. Francis Dr. OUNGARTERIA

State Lease - 4 Copies

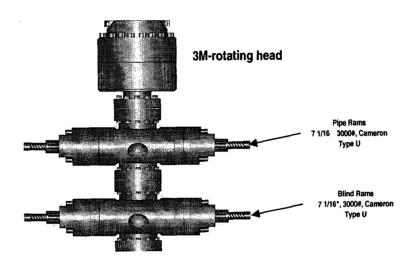
Sa	37505	A ST / FOR FRANCE	ž le s	ree Lease - 3 Copies			
				□ A	MENDED REPORT		
LOCATION A	ND ACREA	GE DEDICA	ATION PLA	T			
² Pool Code		³ Pool Name					
	Cemetary - Morrow						
		⁶ Well Number					
		8					
8 Operator Name							
Marathon Oil Company					KB-3631.6'		
10	⁰ Surface Loca	tion					
Range Lot. Idn	Feet from the	North/South line	Feet from the	East/West lin	e County		
24E	976'	SCUTH	660 '	West	EDDY		
11 Bottom Hole L	ocation If Diff	erent From Su	rface				
Range Lot. Idn	Feet from the	North/South line	Feet from the	East/West lin	e County		
solidation Code 15 Or	der No.						
	LOCATION A 2 Pool Code 10 Range Lot. Idn 24E 11 Bottom Hole L Range Lot. Idn	Property Na Property Na Property Na INDIAN HILLS S Operator Na Marathen Oil Surface Loca Range Lot. Idn Feet from the 976 11 Bottom Hole Location If Diff Range Lot. Idn Feet from the	Property Name INDIAN HILLS STATE COM 8 Operator Name Marathon Oil Company 10 Surface Location Range Lot. Idn Feet from the North/South line 976 SOUTH 11 Bottom Hole Location If Different From Surface Lot. Idn Feet from the North/South line	Santa Fe, NM 87505 LOCATION AND ACREAGE DEDICATION PLA Pool Code Property Name INDIAN HILLS STATE COM Operator Name Marathon Oil Company Surface Location Range Lot. Idn Feet from the North/South line Feet from the 976' SOUTH 660' Bottom Hole Location If Different From Surface Range Lot. Idn Feet from the North/South line Feet from the North/South line Feet from the North/South line Feet from the Range Lot. Idn Feet from the North/South line Feet from the Range Lot. Idn Feet from the North/South line Feet from the Range Lot. Idn Feet from the North/South line Feet from the Range Lot. Idn Feet from the North/South line Feet from the Range Lot. Idn Feet from the North/South line Feet from the Range Range Lot. Idn Feet from the North/South line Feet from the Range	LOCATION AND ACREAGE DEDICATION PLAT Pool Code Property Name INDIAN HILLS STATE COM Operator Name Marathon Oil Company 10 Surface Location Range Lot. Idn Feet from the North/South line Feet from the East/West line 24E Pool Code A Cemetary - Morrow For Property Name Cemetary - Morrow North/South line Feet from the East/West line Pool Surface Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Lot. Idn Feet from the North/South line Feet from the East/West line		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16/	17 OPERATOR CERTIFICATION
660'	I hereby certify that the information contained herein is
	true and complete to the best of my knowledge and
, ,	belief.
660 🗸	m7mik
	Signature
Standard	
SIRIVOITA	Mike Mick
	Printed Name
	Adv. Sr. Engineer Technician
	mfmick@marathonoil.com
	Title and E-mail Address
	1 25 44
	11-29-04
Producing 316	Date
	18 SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this
	plat was plotted from field notes of actual surveys
	made by me or under my supervision, and that the
	same is true and correct to the best of my belief.
	April 22, 1993
V HrleA I I	Date of Survey
	Signature and Seal of Professional Surveyer:
660	
	1
	1
660'	1
	
	Certificate Number

7 1/16" BOP stack





MARATHON OIL COMPANY

H2S DRILLING OPERATIONS PLAN

HYDROGEN SULFIDE TRAINING

All contractors and subcontractors employed by Marathon Oil Company will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and characteristics of hydrogen sulfide (H2S)
- 2. Safety precautions
- 3. Operations of safety equipment and life support systems

In addition, contractor supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on metal components in the system. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- Corrective action and shut-down procedures when drilling or reworking a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

II. H2S EQUIPMENT AND SYSTEMS

1. Safety Equipment

The following safety equipment will be on location.

- A. Wind direction indicators.
- B. Automatic H2S detection alarm equipment (both audio and visual).

- C. Clearly visible warning signs. Signs will use the words "POISON GAS' and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the dog house and at briefing areas.

2. WELL CONTROL SYSTEMS

A. Blowout Prevention Equipment

Equipment includes but is not limited to:

- a. pipe rams to accommodate all pipe sizes
- b. blind rams
- c. choke manifold
- d, closing unit

Auxiliary equipment added as appropriate includes:

- a. annular preventor
- b. rotating head
- c. mud- gas separator
- d. flare line and means of ignition _____
- e. remote operated choke

B. Communication

The rig contractor will be required to have two-way communication capability. Marathon Oil Company will have either land-line or mobile telephone capabilities.

C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing zones.

Exhibit "I"

Marathon Oil Company

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCC PLAN)

Marathon Oil Company has pollution prevention, good housekeeping, safety and fire prevention policies that are to be followed at all times. All company employees, contractors and subcontract personnel are to observe safe working practices and prevent pollution to the maximum extent possible.

In the event of an emergency, spill, fire, explosion or blowout, personal injuries, property or equipment damage, call MARATHON OIL COMPANY @ 1-800-351-1417

Prior to drilling, certain measures should be taken:

- 1. Use impervious materials to build the location and the reserve pit.
- 2. Ditch the outline of the rig toward the reserve pit.
- 3. Place sumps on each end of the rig to catch any free oil or debris from entering the reserve pit.
- 4. Keep materials on location to contain or clean up spills (absorbent pads, shovels, etc).
- 5. Make known to Drilling Supervisors a list of spill response contractors available.
- 6. BOP testing shall be performed each time a casing string is set.
- 7. The Drilling contractor is required to have a certified SPCC plan for the Drilling rig.
- 8. Routine inspections of the operations shall be performed to ensure SPCC guidelines are followed.
- 9. Ensure all Marathon personnel are HAZWOPER trained in methods for stopping, controlling, and cleaning up any spills.

Spill control measures to be taken:

- 1. Shut down activities underway, as deemed necessary by the person in charge.
- 2. Determine the source of pollution and stop the discharge, if possible.
- 3. Isolate and contain the discharged materials, if possible.
- 4. Seek guidance from the Southern Region Emergency Action Plan.

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

Form C-144

June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.

For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure Is pit or below-grade tank covered by a "general plan"? Yes \(\subseteq\) No \(\subseteq\)

Type of action: Registration of a pit or below-grade tank 🗵 Closure of a pit or below-grade tank 🔲						
		_				
Operator:Marathon Oil Company Telephone:713 290		onoil.com				
Address: P.O. Box 3487 Houston, Texas 77253 Houston, Texas 77253						
Facility or well name:Indian Hills St Comm #8 API# 30-015-27486						
County:EddyLatitude	Longitude	NAD: 1927 ∐ 1983 ∐				
Surface Owner: Federal ☐ State ☑ Private ☐ Indian ☐						
Pit	Below-grade tank					
Type: Drilling Production Disposal	Volume:bbl Type of fluid:					
Workover ☑ Emergency □	Construction material:					
Lined 🖾 Unlined 🗔						
Liner type: Synthetic ☑ Thickness12_mil Clay ☐						
Pit Volume2,000 bbl.						
Depth to ground water (vertical distance from bottom of pit to seasonal high water	Less than 50 feet	(20 points)				
•	50 feet or more, but less than 100 feet	(10 points)				
elevation of ground water.)	100 feet or more X	(0 points)				
	Yes	(20 points)				
Wellhead protection area: (Less than 200 feet from a private domestic water	No X	(0 points)				
source, or less than 1000 feet from all other water sources.)						
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation	Less than 200 feet	(20 points)				
	200 feet or more, but less than 1000 feet	(10 points)				
canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more X	(0 points)				
	Ranking Score (Total Points)					
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationsh	ip to other equipment and tanks. (2) Indicate disposal loca	ation: (check the onsite box if your are burying in place)				
onsite offsite If offsite, name of facility (3) A	ttach a general description of remedial action taken includi	ng remediation start date and end date. (4) Groundwater				
encountered: No Yes If yes, show depth below ground surface ft. and attach sample results.						
(5) Attach soil sample results and a diagram of sample locations and excavations.						
Additional Comments: Marathon intends to construct a 100' x 100' workover p	it. The pit will be constructed in the area of the original	reserve pit, and will not require any new surface				
disturbance. The top soil will be removed and stockpiled; the contents dug out of	f old pit area will be placed on a liner. The pit will be li	ned with a 12 mil liner, additional padding will be				
used to prevent puncture if necessary. Pit area will be fenced. When workover is	completed, all liquids will be removed and contents all	owed to dehydrate. Contents removed during				
construction will be replaced, pit liner will be folded, 20 mil liner cap installed. A	minimum of 3° of cover placed on top of cap, stocknile	d tan soil then placed an area. Area will be conded				
	minimum vi 5 vi cover praceu on top vi cap, stocapite	to top son then placed on area. Area will be seeded				
to promote vegetation growth.						
	 					
						
Thereby certify that the information above is true and complete to the best of my knowledge and belief T. S. d						
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .						
Date:11-15-2004 A						
Printed Name/TitleMike MickSignature						
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public						
health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.						
Approval:	UCO '	FC 1 2004				
Printed Name/Title Signa	itureU	onte.				

Additional Information- Indian Hills St. Com # 8

General

The Indian Hills St. Com # 8 is located on New Mexico State lands. new surface damages. Approx. size 100'x 100' x 4'.

- Topsoil will be stripped and stockpiled for use as the final cover of fill at the time of closure.
- Contents removed from old pit will be stockpiled on a liner to prevent soil contamination.
- A 12 mil. Liner will be installed. Padding will be added if necessary. Liner will be anchored per OCD's guidelines. OCD will be contacted 24 hrs. prior to liner installation.
- All necessary steps will be taken to prevent liner damage.
- Marathon will used a combination of produced and freshwater during drilling, anticipated chloride content of drilling fluids 10,000 ppm.
- Pit Area will be fence, work access will remain open during operations, closed once rig operations cease.
- All fluids will be removed from pit in a timely manner after operations cease.
- OCD will be contacted when pit closure commences.
- Closure of pit will be performed as per current OCD guidelines for onsite encapsulation. The liner edges shall be folded over the contents and a 20 mil liner shall be installed on top. A min. of 3 foot of clean soil shall be spread over encapsulated pit contents. Stockpiled top soil shall be spread and contoured. Pit area will be re-seeded and re-vegetation promoted.



P.O. Box 3128 Houston, TX 77253-3128 Telephone 713/629-6600

November 29, 2004

OCD 1301 W. Grand Avenue Artesia, NM. 88210

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NOV 3 0 2004

WULL HIESIA

RE: Morrow Gas Completions in Indian Basin

To Whom It May Concern:

Historical data of Morrow gas production from the Morrow formation in the Indian Basin area has been considered sweet. Marathon Oil Corporation believes that any future Morrow completions in the Indian Basin area will also produce sweet gas.

Mike Mick

Adv. Sr. Eng. Tech.

mtmick