3160-3 (August 1999)

N.M. Oil Cons. DIV-Dist. 2 UNITED STATES DEPARTMENT OF THE INTERIOR W. Grand Avenue BUREAU OF LAND MANAGEMENT AMOSIA, NM 88210

FORM APPROVED OMB NO. 1004-0136 Expires: November 30, 2000

APPLICATION FOR PERMIT TO DR	3.	LC-02939	-				
la. Type of Work X DRILL RE	ENTER			6.	If Indian, Al	lotee or	Tribe Name
1b. Type of Well Oil Well X Gas Well Other	X Si	ngie Zone	Multiple Zon	e 7.	Unit or CA	Agreeme	nt Name and No.
2. Name of Operator			-	8.	Lease Name	and We	ll No.
OXY USA WTP Limited Partnership			2463		OXY Boda	cious	Federal #1
3a. Address			o. (include area co	oe) 9.	API Well No		
P.O. Box 50250 Midland, TX 79710-0250 4. Location of Well (Report location clearly and in accordance with a.	Canada - and	43	2-685-5717		<u> 30-015-</u>		849
At surface 810 FSL 1860 FWL SESW(N)				<u>L</u>		edar	<u>Lake Morrow, N</u>
At proposed prod. zone	ell Contr	olled Wat	ter Basin		Sec., T., R.,		lk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12	.County or Pa	arish	13.State		
4 miles east from Lo	oco Hill:	s NM		Ec	ldy		NM
15. Distance from proposed* location to nearest property or lease line, ft. 810'	16.1	No. of Acres		17. Spaci	ng Unit dedic		
(Also to nearest drg. unit line, if any)		30	6.15		3	306.15	i
18. Distance from proposed location* to nearest well, drilling, completed,	19.1	Proposed De	oth	20.BLM	20. BLM/BIA Bond No. on file		
applied for, on this lease, ft. N/A		1200	00'	9312774		4	
21. Elevations (Show whether DF, KDB, RT, GL, etc.	22.	"			23. Estima	ted dura	tion
3618'		12/15/04			Ī	30	days
	24. Att	tachments					
The following, completed in accordance with the requirements of Onsho	ore Oil and O	Gas Order No	. 1, shall be attache	d to this f	orm:		•
 Well plat certified by a registered surveyor. A Drilling Plan A Surface Use Plan (if the location is on National Forest System La SUPO shall be filed with the appropriate Forest Service Office). 	ands, the	5. Operation 6. Such of	to cover the operati 0 above). tor certification. other site specific in ized officer.				ng bond on file (see
25. Signuature	Name	(Printed/Type	ed)			Date	
25. Signuature	Davi	d Stewart	-			10	(14/04
Title							()
Sr. Regulatory Analyst				<u>.</u>			
Approved by (Signautre)	Name	(Printed/Type	ed)			Date	
13/ KUSS SORENSEN		5/KV	iss Sux	BNS	SEW	DEC	
PACING FIELD MANAGER	Office	CA	RLSBAD	FIEL	D OF	FICE	
Application approval does not warrant or certify that the applicant hole	ds legal or e	quitable title	to those rights in	the subjec	t lease which	would	entitle the applicant to
conduct operations thereon. Conditions of approval, if any, are attached.			APF	PROV	/AL FC	R 1	YEAR
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make United States any false, fictitious or fraudulent statements or representations.	it a crime f	for any perso ny matter wit	n knowlingly and hin its jurisdiction.	willfully t	o make to an	y depar	tment or agency of the

*(Instructions on Reverse)

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

If earthen pits are used ial association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

DEC 1 3 2004

OXY Bodacious Federal #1 810 FSL 1860 FWL SESW(N) SEC 30 T17S R31E Eddy County, NM Federal Lease No. LC-029395B

PROPOSED TD:

12000' TVD

BOP PROGRAM:

0-500'

None

500-4500'

13-3/8" 3M annular preventer, to be used as

divertor only.

4500-12000'

11" 5M blind pipe rams with 5M annular

preventer and rotating head below 8500'.

CASING:

Surface:

13-3/8" OD 48# H40 ST&C new casing set at 500'

17-1/2" hole

Intermediate:

9-5/8" OD 36# K55/HCK55 ST&C new casing from 0-4500'

12-1/4" hole

Production:

5-1/2" OD 17# N80-HP110 LT&C new casing from 0-12000'

8-3/4" hole 8600'-N80 3400'-HP110

CEMENT:

Surface - Circulate cement with 350sx HES light PP w/ 2% CaCl₂ + .25#/sx Flocele followed by 250sx PP w/ 2% CaCl₂ + .25#/sx Flocele.

Intermediate - Circulate cement with 1100sx IFC w/ .25#/sx Flocele followed by 200sx PP w/ 2# CaCl₂.

Production - Cement with 400sx Interfill H w/ .1% HR-7 followed by 400sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7. Estimated top of cement is 7500'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD:

0-625' Fresh water/native mud. Lime for pH control (9-10). Paper for seepage.

Wt 8.7-9.2 ppg, Vis 32-34 sec

625-4500' Fresh/*Brine water. Lime for pH control (10.0-

10.5). Paper for seepage.

Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec

*Fresh water will be used unless chlorides in

the mud system increases to 20000PPM.

4500-8700' Fresh water. Lime for pH control(9-9.5). Paper

for seepage.

Wt 8.3-8.5 ppg, Vis 28-29 sec

8700-10000' Cut brine. Lime for pH control (10-10.5).

Wt 9.6-10.0 ppg, Vis 28-29sec

10000-12000' Mud up with an Duo Vis/Flo Trol mud system.

Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

BURNELL OFFICE BURNELL OFFICE TIMORE TO ELOND

2004 OCT 21 AM 9: 13

BECEINED

District I
1625 N. French Dr., Hobbs, 1717 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
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 Form C-144
March 12, 2004

r drilling and production facilities, submit to

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

	k covered by a "general plan"? Yes No relow-grade tank Closure of a pit or below-grade		
Operator: _Occidental U.S.A. W.T.P. LP		m	
Facility or well name: Oxy Bodacious Fed. No. 1API#:		D 21E	
County: Eddy Latitude_32°48'01.14" N Longitude_103°54	30.99 W_NAD: 1927 🔀 1983 🔲 Surface Owne	r rederal State Private Indian	
<u>Pit</u>	Below-grade tank		
Type: Drilling ☐ Production ☐ Disposal ☐	Volume:bbl Type of fluid:		
Workover Emergency	Construction material:		
Lined ☑ Unlined □	Double-walled, with leak detection? Yes If not,	explain why not.	
Liner type: Synthetic ☑ Thickness 12 mil Clay ☐		•	
Volume 11,000 bbl			
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) SEE NOTE BELOW (10 points) (0 points)	
Wallback market and discount of the state of	Yes	(20 points)	
Wellhead protection area: (Less than 200 feet from a private domestic	No	(0 points) 0	
water source, or less than 1000 feet from all other water sources.)		RECEIVEL	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points) OCT 2 1 2004	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)	
, g , , , , , , , , , ,	1000 feet or more	(0 points) 0	
	Ranking Score (Total Points)		
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Indicate	e disposal location:	
onsite offsite figure facility	(3) Attach a general description of remedial actio	n taken including remediation start date and end	
date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below	w ground surface ft. and attach sample	results. (5) Attach soil sample results and a	
diagram of sample locations and excavations.			
I hereby certify that the information above is true and complete to the best of a been/will be constructed or closed according to NMOCD guidelines , a Date: October 18, 2004	general permit . or an (attached) alternative OC	bove-described pit or below-grade tank has D-approved plan .	
Printed Name/Title_Don Thomposn/HES TechS	ignature Mampan		
otherwise endanger public health or the environment. Nor does it relieve the cregulations. Because of the unknown fresh water debth Oxy is applying for drilled with the rat hole machine to determine the depth to the fresh water. Af Below-Grade Tank Guidelines allow, Oxy will file an amended C-144 guidest	refleve the operator of hability should the contents of to possior of its responsibility for compliance with any contents of the compliance with any content of the content	other federal, state, or local laws and/or permit has been approved a hole will be	
Apt a: T 2 1 2004 Date: Printed Name/Title Accepted for Fee			
Printed Name/Title	Signature		

**

DISTRICT I

State of New Mexico

Energy, Minerale and Natural Resources Department

Form C-102
Revised February 10, 1994

Submit to Appropriate District Office State Lease - 4 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719

P.O. Box 1980, Hobbs, 10f 88241-1980

OIL CONSERVATION DIVISION P.O. Box 2088

State Lease - 4 Copies
Fee Lease - 5 Copies

DISTRICT III 1000 Bio Brazos Rd., Axtoc, NM 87410 F.U. BOX 2000 Santa Fe. New Mexico 87504-2088

ON DIAM

P.O. BOX 2008, SANTA PE, N.M. 87504-2088	WELL LOCATION AND	ACREAGE DEDICATION PLAT	AMENDED REPORT
API Number	Pool Code	Pool Name	
30-015-	74600	Undesignated Cedar Lake Mo	rrow, North
Property Code	Prop	Well Number	
	OXY BOD	ACIOUS FED	1
OGRID No.	Oper	ator Name	Elevation
192463	OXY U.S.	3618'	

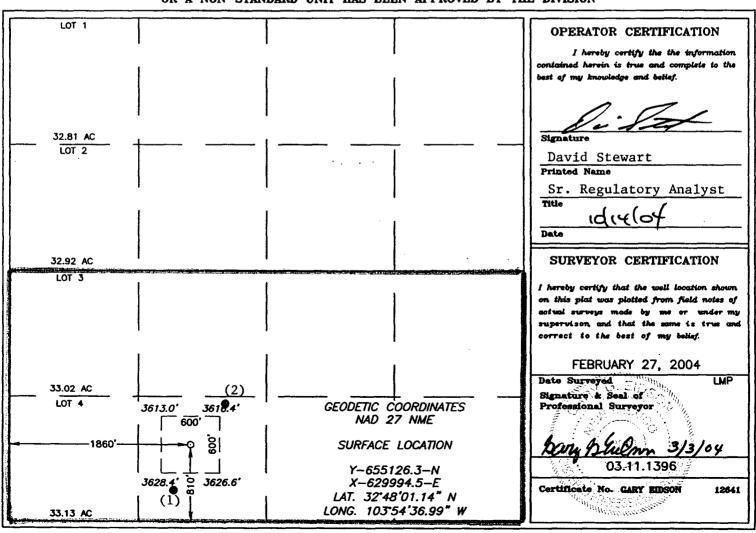
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	30	17-S	31-E		810'	SOUTH	1860'	WEST	EDDY

Bottom Hole Location If Different From Surface

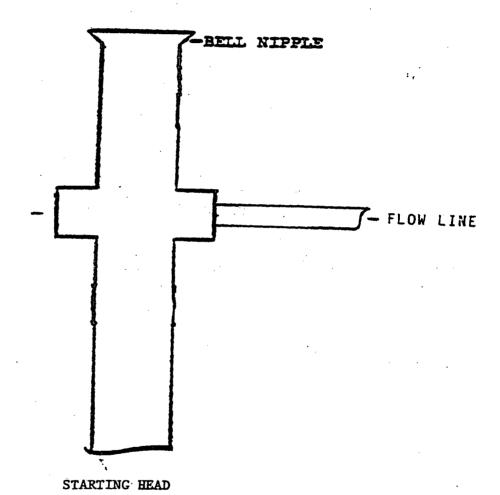
UL or lot No.	Section	Townshi	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint of	r Infili	Consolidation	Code Or	der No.	<u> </u>			
306.15	N	[- (

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



- (1) 3001529572 Merit Energy Co. Turner B #110 330 FSL 1700 FWL TD-3824' Grayburg Jackson SR-QN-GB-SA
- (2) 3001529573 Merit Energy Co. Turner B #113 1120 FSL 2230 FWL TD-3835' Grayburg Jackson SR-QN-GB-SA

ANNULAR PREVENTOR
TO BE USED AS DIVERTOR ONLY

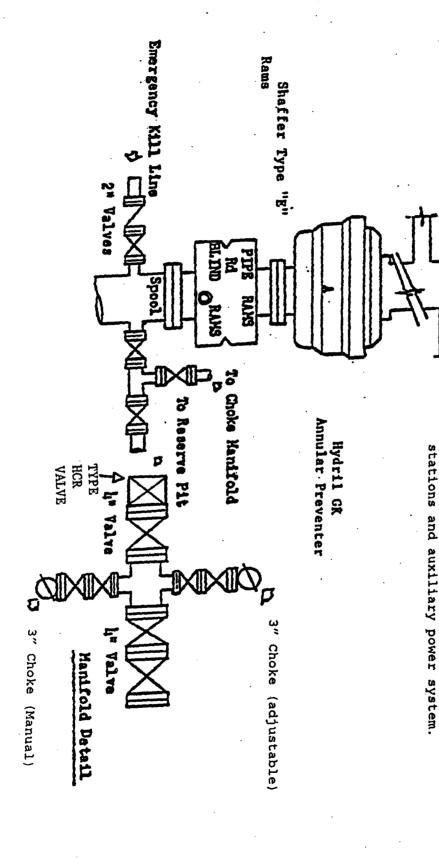


accumulator with floor and remote operating

11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular

A choke manifold and 120 gallon

type preventer.



Choke Manifold

30, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.. NEW MEXICO Y COUNTY. ..0' 3616.41 600' **MERIT** FENCE WELL PAD ₽¥ **PROPOSED** 150' NORTH -PIPELINE OFF SET 3613.1' N89°46'16"E 109" - PROPOSED RD. WELL PAD 150' EAST OFF SET 150' WEST OFF SET OXY BODACIOUS FED #1 ф ELEV. 3618' 3619.3' 3618.4" LAT.= 32°48'01.14"N LONG.= 103°54'36.99"W 150' SOUTH OFF SET 3622.4" PIT ⊡ 3' POLY F.L. (3) 3", POLY F.L. 4STD BW FENCE ROAD POWER CALICHE. POLE (4W OH ELEC. LINE 600' 3628.4' 3626.6 DIRECTIONS TO LOCATION 100 0 100 200 FEET FROM THE INTERSECTION OF US HWY 82 AND COUNTY ROAD 217 (HAGERMAN CUTOFF) GO EAST ON HWY 82 APPROXIMATELY 5.3 MILES TO MILE MARKER 137.15 OXY U.S.A. W.T.P., L.P. AND A CALICHE ROAD ON THE RIGHT. GO SOUTH 0.9 OXY BODACIOUS FED #1 LOCATED 810 FEET FROM THE SOUTH LINE AND 1860 FEET FROM THE WEST LINE OF SECTION 30, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO. MILES ON CALICHE ROAD TO A CALICHE ROAD ON THE RIGHT. GO WEST 0.8 MILES ON CALICHE ROAD TO A CALICHE ROAD ON THE LEFT. GO SOUTH 0.2 MILES ON CALICHE ROAD TO LOCATION. LOCATION IS APPROXIMATELY 200 FEET TO THE WEST. Survey Date: 2/27/04 Sheet **Sheets** DRAWN BY: L PERALES W.O. Number: 03.11.1396 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117 Date: 3/1/04 DISK: CD#'04 03111396 Scale:1"=100

United States Department of the Interior Bureau of Land Management Roswell District 2909 W. Second Street Roswell, New Mexico 88202

Attention: Armando A. Lopez

RE: OXY Bodacious Federal #1

S/2 of Section 30, T17S-R31E Eddy County, New Mexico

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

OPERATOR NAME:

OXY USA WTP Limited Partnership

ADDRESS:

P. O. Box 50250

Midland, Texas 79710

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

LEASE NO.:

LC-029395-B

LEGAL DESCRIPTION:

810' FSL and 1860' FWL Section 30,

T17S-R31E

Eddy County, New Mexico

FORMATIONS:

Limited to all depths below the base of

the Abo formation

BOND COVERAGE:

Nationwide

BLM BOND FILE NO.:

ES 0136

OXY USA WTP Limited Partnership

AUTHORIZED SIGNATURE:

BY:

Dur

TITLE:

Senior Landman Advisor

DATE:

March 15, 2004

cc: David Stewart

OXY USA WTP Limited Partnership PO Box 50250 Midland, TX 79710

Hydrogen Sulfide (H₂S) Contingency Plan

For

Oxy Bodacious Fed. No. 1 810 ft FSL, 1860 ft FWL Sec 30, T17S, R31E Eddy County, NM

And

Patterson/UTI Rig 508

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PREFACE

An effective and viable Contingency Plan is intended to provide prior planning and guidance in responding to emergency incidents. The primary considerations in its development are protection of personnel, the public, company and public property, and the environment.

Although the plan addresses varied emergency situations which may occur, it recognizes that flexibility and the use of the organization's knowledge and experience is critical to safe resolution of emergency incidents. Response actions outlined in the plan provide a framework, which may be placed into operation without confusion. These actions should promote quick and decisive actions during the critical initial period and immediately following an emergency. As the response progresses, additional guidelines and procedures may need to be implemented as the situation dictates. In addition, all emergency incidents must be properly reported per the Oxy Incident Reporting and Notification Policy, state and federal requirements, etc.

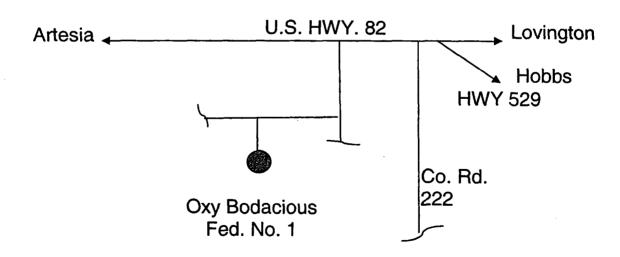
This Contingency Plan is intended for use on Oxy Downhole Services Group projects and the operations within their area of responsibility, such as drilling, critical well work, etc.

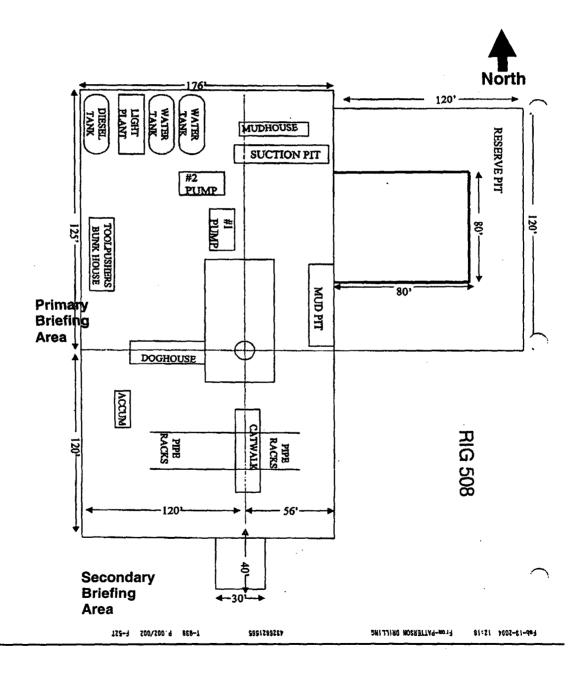
A copy of the Plan shall be maintained in the Top Dog House, Rig Managers trailer, and Company Representative's trailer if applicable.

Oxy Bodacious Fed. No. 1 Lat. 32° 48'01.14"N Long. 103° 54' 36.99"W NAD 27 NME Y = 655126.3 - N X = 629994.5 - E



From the intersection of US HWY 82 and State HWY. 529 go west on HWY 82 - 1.3 miles to mile marker 137 and a caliche road on the left. Go south 0.9 miles to a caliche road on the right. Go west 0.8 miles to a caliche road on the left. Go south 0.2 miles to the location.





EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES

Activation of the Emergency Action Plan

- A. In the event of any emergency situation, all personnel on location should first ensure that the following items are initiated. After that, they should refer to the appropriate Specific Emergency Guidance sections on pages ten (10) through twelve (12) in this document for further responsibilities:
 - 1. Notify the senior ranking contract representative on site.

2. Notify Oxy representative in charge.

- 3. Notify civil authorities if the Oxy Representative can not be contacted and the situation dictates.
- 4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

Oxy Permian Personnel:

- A. Operations Specialist: The Oxy Drilling/Critical Well Servicing Operations Specialist or contract personnel serving in that capacity will serve as Operations Chief Officer for all emergency incidents. The Operations Chief Officer is responsible for:
 - 1. Notification to the Downhole Services Team Leader of the incident occurrence.
 - 2. Notification to the local RMT/PMT leader of the incident occurrence, and the need for the designated local RMT/PMT Incident Commander to act in that capacity for the response effort.
 - 3. Sole control of all tactical activities directed toward reducing the immediate hazard, establishing situational control and restoring the operations to a non-emergency state.
- B. Local RMT/PMT Designated Incident Commander: The Oxy local RMT/PMT Designated Incident Commander will serve as the overall Incident Commander for the drilling or critical well servicing emergency incident. The Incident Commander is responsible for:
 - 1. Coordinating with the Downhole Services Team Leader for notification to the Oxy Crisis Management team of the incident occurrence.

- 2. Establishing and managing the overall incident command structure and response from inception through restoration of normal activities in the area.
- C. Downhole Services HES Tech: The Downhole Services HES Tech (or his designate) is responsible for reporting to the incident as soon as reasonably possible, to provide support to the response effort as required by the Operations Chief Officer or the Incident Commander.

Contract Drilling Personnel will immediately report to their assigned stations and perform their duties as outlined in the appropriate Specific Emergency Guidance sections on pages ten (10) through twelve (12) in this document.

Other Contractor Personnel will report to the safe briefing area to assist Oxy personnel and civil authorities as requested when it is safe to do so and if they have been adequately trained in their assigned duties.

Civil Authorities (Law Enforcement, Fire, and EMS) will be responsible for:

- 1. Establishing membership in the Unified Incident Command.
- 2. As directed by the Incident Commander and the Unified Command, control site access, re-route traffic, and provide escort services for response personnel.
- 3. Perform all fire control activities in coordination with the Unified Command.
- 4. Initiate public evacuation plans as instructed by the Incident Commander.
- 5. Perform rescue or recovery activities with coordination from the Unified Command.
- 6. Provide medical assistance as dictated by the situation at hand.

H2S RELEASE

The following procedures and responsibilities will be implemented on activation of the H2S siren and lights.

All Personnel:

1. On alarm, don escape unit (if available) and report to upwind briefing area.

Rig Manager/Tool Pusher:

- 1. Check that all personnel are accounted for and their condition.
- 2. Administer or arrange for first aid treatment, and /or call EMTs as needed.
- 3. Identify two people best suited to secure well and perform rescue, and instruct them to don SCBA.
- 4. Notify Contractor management and Oxy Representative.
- 5. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.

Two People Responsible For Shut-in and Rescue:

- 1. Don SCBA and acquire tools to secure well and perform rescue, i.e., wrenches, retrieval ropes, etc.
- 2. Utilize the buddy system to secure well and perform rescue(s).
- 3. Return to the briefing area and stand by for further instructions.

All Other Personnel:

 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.

Oxy Representative:

- 1. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.
- 2. Notify Operation Specialists or Team Leader and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

Training

There will be an initial training session prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan (Contingency Plan). This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police shall be the Incident Command of any major release. Ignition of the well will be with the concurrence of the drilling team leader and the Oxy Crisis Management Team as time allows.

Characteristics of H2S and SO2

Common Name	Chemical Formula	•		Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm	600 ppm

Sulfur		2.21			
Dioxide	SO ₂	Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Oxy Permian personnel must 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. Agencies will ask for information such as; type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. This response plan must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER).

WELL CONTROL

The following procedures will be implemented when a loss of primary control is indicated. Indicators of loss of primary control are flow from the well, an increase in pit volume, or when the drilling fluid used to fill the hole on trips is less than the calculated pipe displacement volume. The emergency signal for well control procedures will be a single long blast of the rig air horn.

Kick While Drilling - Procedures And Responsibilities

Driller:

- 1. Stop the rotary and hoist the kelly above the rotary table.
- 2. Stop the mud pump(s).
- 3. Check for flow.
- 4. If flowing, sound the alarm immediately.
- 5. Ensure that all crew members fill their responsibilities to secure the well.
- 6. Record drill pipe and casing shut-in pressures and pit volume increase and begin kill sheet.

Derrickman:

- 1. Go to BOP/choke manifold area.
- 2. Open choke line valve on BOP.
- 3. Signal to Floorman #1 that the choke line is open.
- 4. Close chokes after annular or pipe rams are closed.
- 5. Record shut-in casing pressure and pit volume increase.
- 6. Report readings and observations to Driller.
- 7. Verify actual mud weight in suction pit and report to Driller.
- 8. Be readily available as required for additional tasks.

Floorman # 1:

- 1. Go to accumulator control station and await signal from Derrickman.
- 2. Close annular preventer and HCR on signal (if available, if not then close pipe rams).
- 3. Record accumulator pressures and check for leaks in the BOP or accumulator system.
- 4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 2:

- 1. Start water on motor exhausts.
- 2. Notify Contractor Tool Pusher or Rig Manager of well control situation.
- 3. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
- 4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3:

1. Stand-by with Driller, and be readily available as required for additional tasks.

Tool Pusher/Rig Manager:

- 1. Notify Oxy Representative and report to rig floor.
- 2. Review and verify all pertinent information.
- 3. Communicate information to Oxy Representative, and confer on an action plan.
- 4. Finalize well control worksheets, calculations and preparatory work for action plan.
- 5. Initiate and ensure the action plan is carried out.
- 6. Communicate any changes in well or site conditions, or any indications that the action plan needs to be revised to the Oxy representative.

Oxy Representative:

1. Notify Operation Specialists or Team Leader and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

Kick While Tripping - Procedures and Responsibilities

Driller:

- 1. Sound the alarm immediately when pipe displacement volume is less than 75% of calculated.
- 2. Position the upper tool joint just above rotary table and set slips.
- 3. Check for flow.
- 4. Ensure that all crew members fill their responsibilities to secure the well.
- 5. Record drill pipe and casing shut-in pressures and pit volume increase, and begin kill sheets.

Derrickman: (same as while drilling)

Floor Man # 1:

- 1. Install full opening valve (with help from Floorman #2) in top drill string connection.
- 2. Tighten valve with make up tongs.
- 3. Go to accumulator control station and await signal from Derrickman.
- 4. Close annular preventer and HCR valve on signal (if available, if not then close pipe rams).
- 5. Record accumulator pressures and check for leaks in the BOP and accumulator system.
- 6. Report to Driller, and be readily available as required for additional tasks.

Floor Man # 2:

- 1. Assist installing full opening valve in drill string.
- 2. Position back-up tongs for valve make-up.
- 3. Start water on motor exhausts.
- 4. Notify Contractor Tool Pusher or Rig Manager of well control situation.
- 5. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
- 6. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3, Rig Manager/Tool Pusher, and Oxy Representative: (same as while drilling)

PUBLIC RELATIONS

Oxy recognizes that the news media have a legitimate interest in incidents at Oxy facilities that could affect the public. It is to the company's benefit to cooperate with the news media when incidents occur because these media are our best liaison with the public.

Our objective is to see that all reports of any emergency are factual and represent the company's position fairly and accurately. Cooperation with news media representatives is the most reliable guarantee that this objective will be met.

All contract and Oxy employees are instructed <u>NOT</u> to make any statement to the media concerning the emergency incident. If a media representative contacts any employee, they should refer them to the designated Emergency Command Center where they should contact the Incident Commander or his designated relief for any information concerning the incident.

OXY PERMIAN DOWNHOLE SERVICES GROUP

	LOCATION	OFFICE	- HOME	CELL	PAGER
Manager Operations S	upport	75 1 15 15 15 15 15 15 15 15 15 15 15 15	September 1981	ti i i i i i i i i i i i i i i i i i i	
Hardesty, Steve	Midland	432-685-5880	432/694-6441	713-560-8095	
Team Leader					
Pennington, Randy	Midland	432-685-5684	432/689-7642	432-556-0207	713-312-8186
	1		Toledo Bend =	318-590-2349	
Operations Specialists	S				
Fleming, Joe	Midland	432-685-5858	432/699-0875	432-425-6075	432-498-3281
Ray, Fred	Midland	432-685-5683	432/362-2857	432-661-3893	432-499-3432
HES Tech				Manager 1	
Thompson, Don	Midland	432-685-5719	432/684-3900	432-556-1505	

Emergency Notification Numbers

Pub	lic Authorities	
New Mexico State Police	Artesia	505/746-2704
New Mexico State Police	Carlsbad	505/885-3137
New Mexico State Police	Hobbs	505/392-5588
Eddy County Sheriff's Office	Artesia	505/746-2704
Eddy County Sheriff's Office	Carlsbad	505/887-7551
Lea County Sheriff's Office	Hobbs	505/393-2515
Local Emergency Planning Center	Eddy County	505/887-9511
Local Emergency Planning Center	Lea County	505/397-9231
New Mexico Oil & Gas Commission	Artesia	505/748-1283
New Mexico Oil & Gas Commission	Hobbs	505/393-6161
NM Emergency Response Center	Hobbs	505/827-9222

Emerg	gency Services	
Fire Fighting, Rescue, Ambulance, Police	Artesia	911
Fire Fighting, Rescue, Ambulance, Police	Carlsbad	911
Fire Fighting, Rescue, Ambulance, Police	Hobbs	911
Flight For Life	Lubbock	806/743-9911
Aerocare	Lubbock	806/7478923
Med Flight Air Ambulance	Albuquerque	505/842-4433

Other Er	mergency Services		
Boots and Coots	1/800-256-9688		
Cudd Pressure Control	Midland	432/699-0139	
B.J. Services	Artesia	505/746-3569	
Halliburton	Artesia	505/746-2757	

OXY Permian Production and Plant Personnel OXY Permian Crisis Team Hotline Notification (713) 935-7210

	a Maria de Carrer	(a) 中国的			
PERSON	LOCATION	OFFICE	. FAX	CELL	PAGER
			TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE		
Asset Management-Operations Areas		to the first the state of	HINE INC.		
OXY Permian General Manager:	Houston	(281)	(281)	(713)	
Tom Menges		552-1147	552-1484	560-8038	Į.
South Permian Asset:	Midland	(432)	(432)	(432)	
Matt Hyde		685-5802	685-5930	556-5016	ĺ
RMT/PMT Leaders: South Permian Asset		第34 四月本第 4条。		70 (00.00)	100
Frontier RMT:	Midland			7	
					1
		16.00	And The State	To the State	1
PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
Production Coordinators: S. Permian Ass	set in water and a set in the set	ALSO CONTROL OF	1.7242		767437476
New Mexico: John Erickson	Hobbs	(505)	(505)	(505)	(505)
		393-2174	397-2671		370-6836
	OXY Permian HES Pers	onnel 🛪 🖟 📆	Ma 1,440, 160, 18	State Section	CONTRACTOR
	sis Team Hotline Notifi		35-7210	9 (4) (P) (P)	
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PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
HES Coordinators & Area of Resp	oonsibility 💮 🤏 🐰 🖟	eric butter		AND STREET	and the second
Frontier:	Midland				
HES Techs & Area of Responsibil	ity				
Hobbs RMT: Steve Bishop	Hobbs	(505) 397-8251	(505) 397-8204	(505) 390-4784	(877) 339-1954- 1118#
Frontier-New Mexico: Rick Kerby	Hobbs	(505) 393-2174	(505) 393-2671	(505) 390-8639	(505) 370-6527

OXY USA WTP Limited Partnership

P.O. Box 50250, Midland, TX 79710-0250

RECEIVED

October 14, 2004

2004 OCT 21 AM 9:13

United States Department of the Interior Bureau of Land Management Roswell District Office 2909 West Second Street Roswell, New Mexico 88201

BUREAU OF LAND MOINT. ROSWELL OFFICE

Re: Application for Permit to Drill
OXY USA WTP Limited Partnership
OXY Bodacious Federal #1
Eddy County, New Mexico
Lease No. LC-029395-B

Gentlemen:

OXY USA WTP Limited Partnership respectfully requests permission to drill our OXY Bodacious Federal #1 located 810 FSL and 1860 FWL of Section 30, T17S, R31E, Eddy County, New Mexico, Federal Lease No. LC-029395-B. The proposed well will be drilled to a TD of approximately 12000' (TVD). The location and work area has been staked. It is approximately 4 miles east of Loco Hills, New Mexico.

In accordance with requirements stipulated in Federal Onshore Oil and Gas Order No. 1 under 43 CFR 3162.1, our Application for Permission to Drill and supporting evidence is hereby submitted.

- I. Application for Permit to Drill:
 - 1. Form 3160.3, Application for Permit to Drill.
 - Form C-102 Location and Acreage Dedication Plat certified by Gary G. Eidson, Registered Land Surveyor No. 12641 in the State of New Mexico, dated March 3, 2004.
 - 3. The elevation of the unprepared ground is 3618 feet above sea level.
 - 4. The geologic name of the surface formation is Permian Rustler.
 - 5. Rotary drilling equipment will be utilized to drill the well to TD 12000' (TVD), and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.
 - 6. Proposed total depth is 12000' TVD.
 - 7. Estimated tops of important geologic markers.

 Wolfcamp
 8350' TVD

 Strawn
 9400' TVD

 Atoka
 10750' TVD

 Morrow
 11350' TVD

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Primary Objective: Morrow 11350' TVD

Secondary Objective: Atoka 10750' TVD

APD - OXY Bodacious Federal #1 Page 2

9. The proposed casing program is as follows:

Surface: 13-3/8" 48# H40 ST&C new casing set at 500'

Intermediate: 9-5/8" 36# K55/HCK55 ST&C new casing from 0-4500'

Production: 5-1/2" 17# N80/HP110 LT&C new casing from 0-12000'

10. Casing setting depth and cementing program:

A. 13-3/8" surface casing set at 500' in 17-1/2" hole.

Circulate cement with 415sx HES light PP w/ 2% CaCl₂ + WINESS

.25#/sx Flocele followed by 250sx PP w/ 2% CaCl₂ + .25#/sx

Flocele.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl₂.

B. 9-5/8" intermediate casing set at 4500' in 12-1/4" hole. Circulate cement with 1100sx IFC w/ .25#/sx Flocele followed by 200sx PP w/ 2% CaCl₂.

If hole conditions dictate, a DV tool may be run to ensure that the intermediate string is cemented to surface.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl₂.

Note: Cement volumes may be adjusted according to fluid caliper.

C. 5-1/2" production casing set at 12000' in 8-3/4" hole. Cement with 400sx Interfill H w/ .1% HR-7 followed by 400sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7.

Estimated top of cement is 7500'.

Note: Cement volumes may need to be adjusted to hole caliper.

11. Pressure Control Equipment

0-500' None

500-4500' 13-3/8" 3M annular preventer, to be used as divertor only. Exhibit A

divertor only. Exhibit A

4500-12000'

11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 8000'. Exhibit A.

EXY Bodacious Federal #1

A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

After setting the 9-5/8" casing, the blowout preventers and related control equipment shall be pressure tested to 5000 psi. Any equipment failing to test satisfactorily shall be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log. The BOP's will be maintained ready for use until drilling operations are completed.

BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

12. Mud Program:

0-500′	Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt.8.7-9.2 ppg, vis 32-34 sec.
500-4500′	Fresh/*brine water. Lime for pH control (10-10.5). Paper for seepage. Wt. 8.3-9.0/10.0-10.1ppg, vis 28-29 sec. *Fresh water will be used unless chlorides in the mud system increase to 20000PPM.
4500-8700′	Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt. 8.3-8.5 ppg, vis 28-29 sec.
8700-10000′	Cut brine. Lime for pH control (10-10.5). Wt. 9.6-10.0 ppg, vis 28-29 sec.
10000-12000′	Mud up with an Duo Vis/Flo Trol system. Wt. 9.6-10.0 ppg, Vis 32-36sec, WL<10cc.

Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until the production casing is run and cemented. Monitoring equipment shall consist of the following:

- 1) A recording pit level indicator.
- 2) A pit volume totalizer.
- 3) A flowline sensor.

APD - OXY Bodacious Federal #1 Page 4

- 13. Testing, Logging and Coring Program:
 - A. Testing program: No DST's are anticipated.
 - B. Mud logging program: One-man unit from 6000' to TD.
 - C. Electric logging program: CNL/LDT/CAL/GR, DLL/CAL/GR.
 - D. Coring program: Possible sidewall rotary cores.
- 14. No abnormal temperatures, or H2S gas are anticipated. H2S Contingency Plan is attached per NMOCD requirements. The highest anticipated pressure gradient would be .55psi/ft. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.
- 15. Anticipated starting date is December 7, 2004. It should take approximately 30 days to drill the well and another 10 days to complete.
- 16. The Multi-Point Surface Use & Operation Plan is attached.
- 17. If the Bureau of Land Management needs additional information to evaluate this application, please advise.

Very truly yours,

David Stewart

Sr. Regulatory Analyst

OXY USA WTP LP

DRS/drs

Attachments