State of New Mexico Energy, Minerals & Natural Resources

MAR 2 3 2009

Form C-101 May 27, 2004

District I '1625 N. French Dr., Hobbs, NM 88240

District II 1301 W Grand A District III 1000 Rio Brazos I	ĺ			(onservation		5	Submit to approp	oriate District Office	
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505				1220 S. St. Francis Dr. Santa Fe, NM 87505				П амі	ENDED REPORT		
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OXY USA Inc			erator Name an			NE-ENTE	R, DEEF EN,	LUGBAC	² OGRID Number 16696		
P.O. Box 50								20 015	³ API Number		
4Prope	erty Code				5	Property Name		30- 015-	3, 10 1 1	ell No.	
376	35_	0 -		0	XY Lak	ewood 29 S	State	10-		2	
	WC Lake	Proposed ⁹ Wood Mor	row - 976	58				¹⁰ Proposed	Pool 2		
	<u> </u>	J 0 0 0 1.01			⁷ S13	ırface Loca	ation		•		
UL or lot no	Section	Township	Range	Lot Id		Feet from the	North/South Line	Feet from the	East/West line	County	
Н	29	198	26E			1980	north	660	east	Eddy '	
		8 P	roposed F	Bottom	Hole	Location 1	If Different Fro	m Surface			
UL or lot no	Section	Township	Range	Lot Io	in	Feet from the	North/South Line	Feet from the	East/West line	County	
				P	Additio	onal Well I	Location				
	N		² Well Type Coo			13 Cable/Rotary R		se Type Code - V07140	3	Level Elevation	
¹⁶ Mul	tiple N	. 1	Proposed Dept 9800'	h		18 Formation	19	Contractor H&P		oud Date /1/08	
Depth to ground			9600	Distance	l from nea	Morrow rest fresh water	well	Distance from nea		/1/06	
	See	C-144CLE	Z								
1	nthetic oop System [_	thick Clay	у□	Pit Vo	lumeFresh			Oil-based	Gas/Aır 🔲	
			²¹ I	Propos	ed Cas	sing and C	ement Progran	1			
Hole S	Size	Cas	ing Size		ng weigh	I	Setting Depth	Sacks of Cem	ent E	stimated TOC	
14-3/		+	-3/4"	 	12# J5!		400'	350		Surface	
10-5/			5/8"		24# J5!		2100'	580		Surface	
7-7/			1/2"	11.6# P110			9800'	1930		Surface	
7-77	0	1 4-	1/2	11	. O 	.10	9000	1930		Surrace	
		1									
²² Describe the Describe the blow					ets if nec			esent productive z	one and proposed	new productive zone	
²³ I hereby certify my knowledge ar	y that the infor	rmation given	above is true a	and compl	ete to the	e best of	OIL C	ONSERVAT	TION DIVIS	ION	
constructed according to NMOCD guidelines a general permit, or an (attached) alternative OCD-annroved plan.				, or App	Approved by:						
Printed name: D	avid Stew	art				Title		707	alooist	*	
Title: S	r. Regula	tory Ana	lyst				roval Date: 3/6		Expiration Date:	3/24/2011	
E-mail Address:	david_st	ewart@ox	y.com								
Date:	(Phone:			Con	ditions of Approval:				
3/19	109		432	2-685-5	5717	Atta	iched				

District 1

State of New Mexico

Form C-102

1625 N. French Dr., Hobbs, NM 88240 District II

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

Revised October 12, 2005 Submit to Appropriate District Office

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

1220 South St. Francis Dr.

State Lease- 4 Copies Fee Lease-3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

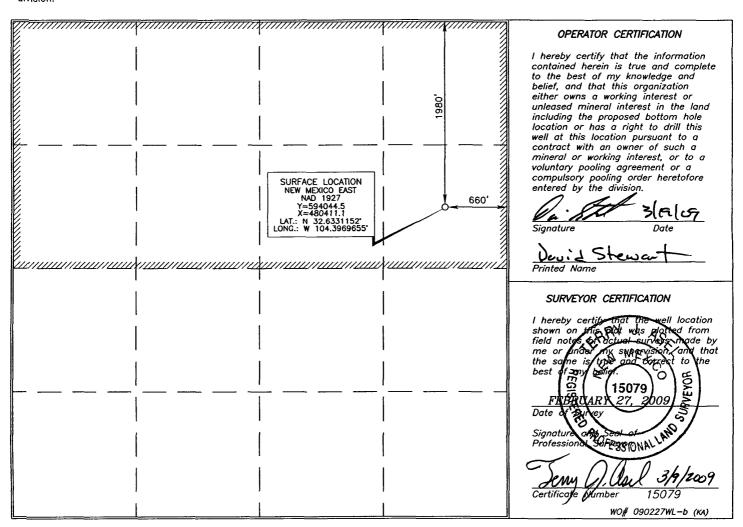
Santa Fe, NM 87505

☐ AMENDED REPORT

	WELL LOCATION AND ACREAG	E DEDICATION PLAT
API Number	Pool Code	Pool Name
30-015- 37011	97658	WC Lakewood Morrow
Property Code	Property Nam OKY LAKEWOOD 29	e Well Number
OGRID No.	Operator Nam	e Elevation
16696	OXY USA 1	NC. 3333.0'
	Surface Lo	cation
or lot no Section Township	Range Lot Idn Fee	et from the North/South line Feet from the Fast/West line Count

29 19 SOUTH 26 EAST, N.M.P.M. 1980' NORTH 660' > Н **EAST** EDDYBottom Hole Location If Different From Surface Lot Idn Feet from the North/South line Feet from the UL or lot no. Section Township East/West line County Dedicated Acres Joint or Infill Consolidation Code Order No.

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.



Operator Name/Number:

OXY USA Inc. - 16696

Omb abor Macadhuale ve

OXY USA inc. Prox.

West tramped of mon 12 . 1

Lease Name/Number: Pool Name/Number:

OXY Lakewood 29 State #2

that the State Lease No. VO-7/140 infraryood to be able to

Surface Location:

WC Lakewood Morrow (Gas) - 97658nci Nineavathrendon 1980 FNL 660 FEL H - Sec 29 T19S R26E - Eddy County, NM

N/A

Cost Center/AFE No.

C-102 Plats:

2/27/09

3/9/09

Elevation: 3333'

Lat: 32.6331152

Long: 104.3969655

X=480411.1

Y=594044.5

NAD - 1927

U.S.G.S Topographic Map: Dayton, NM

DWE (Detailed Well Estimate):

3/6/09

Geologic Well Prognosis:

3/6/09

Proposed TD:

TVD 9800'

9800' **TMD**

Casing Program:

Hole Size	Interval	OD Csg	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	Condition	Collapse Design Factor	<u>Burst</u> <u>Design</u> <u>Factor</u>	<u>Tension</u> <u>Design</u> <u>Factor</u>
14-3/4"	400'	11-3/4"	42#	STC	J55	New	5.45	1.41	1.76
10-5/8"	2100'	8-5/8"	24#	LTC	J55	New	1.4	1.42	1.75
7-7/8"	9800' DVT-6000'	4-1/2"	11.6#	LTC	P110	New	1.54	1.23	1.48

Cement Program

а	. 11-3/4"	Surface	Circulate cement to Surface w/ 350sx PP w/ 2% CaCl2, 14.8 ppg 1.34 yield
b.	8-5/8"	Intermediate	Circulate cement to surface w/ 380sx IFC w/ 5#/sx Gilsonite + .25#/sx Poly-E-Flake,
			11.9ppg 2.47 yield followed by 200sx PP w/ 1% CaCl2, 14.8ppg 1.33 yield.
C.	4-1/2"	Production	Cement 1st stage w/ 280sx IFH w/ 5#/sx Gilsonite + .125#/sx Poly-E-Flake + .2% HR-601,
			11.9ppg 2.49 yield followed by 630sx Super H w/ .5% Halad R-344 + .4% CFR-3 +
			5#/sx Gilsonite + 1#/sx Salt + .1% HR-601, 13ppg 1.68 yield
			Cement 2nd stage w/ 920sx IFC w/ 5#/sx Gilsonite + .125% Poly-E-Flake, 11.9ppg 2.47 yield
			followed by 100sx PP, 14.8ppg 1.33 yield.
			Estimated TOC @ Surface.

Proposed Mud Circulation System

<u>Depth</u>	Mud Wt.	<u>Visc</u>	Fluid	Type System	
	ppg	sec	Loss		
0-400'	8.7-9.2	32-34_	N/C	Fresh Water/native mud	
400-2100'	8.3-10.1	28-29	N/C	Fresh/*Brine Water	
2100-7300'	8.3-8.5	28-29	N/C	Fresh Water 362	[But 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7300-9200'	9.6-10.0	28-29	<20cc	Cut Brine: 00-9200'	196 (20) 200 4 1 4
9200-9800'	9.6-10.0	32-36	<10cc	Duo Vis/Flo:Trol00	96-100 30-36 41

^{*}Fresh water will be used unless chlorides in the mud system increases to 20000ppm by used unless chandes in the mud system

BOP Program (1):

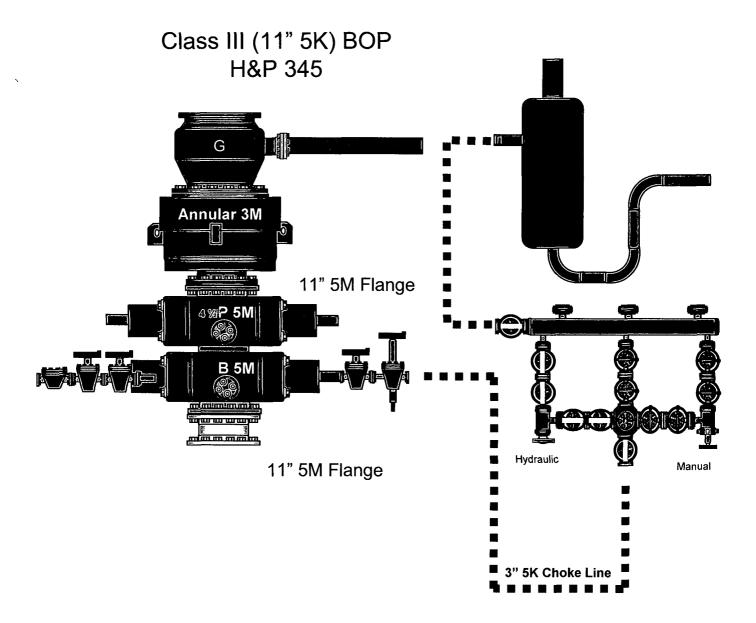
Surface 0-400' None 11" X 5M Schaffer LXT Double Ram + Schaffer 11" X 3M Annular Intermediate 400-2100' Production 2100' - TD 11" X 5M Schaffer LXT Double Ram + Schaffer 11" X 3M Annular Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas: Geological Marker <u>Type</u> Source **Depth** a. Upper Permian Sand 220' NM WAIDS IHSE b. San Andres ~1150' c. Yeso ~2800' **IHSE** IHSE d. Wolfcamp ~6800' IHSE e. Strawn ~8350' IHSE f. Atoka ~9050' g. Morrow ~9250' **IHSE** 320 ac **Spacing Unit:** N/2 Spud Date: 4/1/09 Arch Survey: N/A - Not Required for this APD **Surface Owner:** New Mexico State land Office - P.O. Box 1148 - Santa Fe, NM 87501 Surface Lessee: Seven Rivers Cattle Co. - P.O. Box 1598 - Carlsbad, NM 88220 Lease Responsibility Statement: N/A - Not Required for this APD **Private Surface Owner Agreement:** N/A - Not Required for this APD **Nearest Residence/Structure:** ~1 mile east Wellsite Layout (5): V-door - east Tanks - north

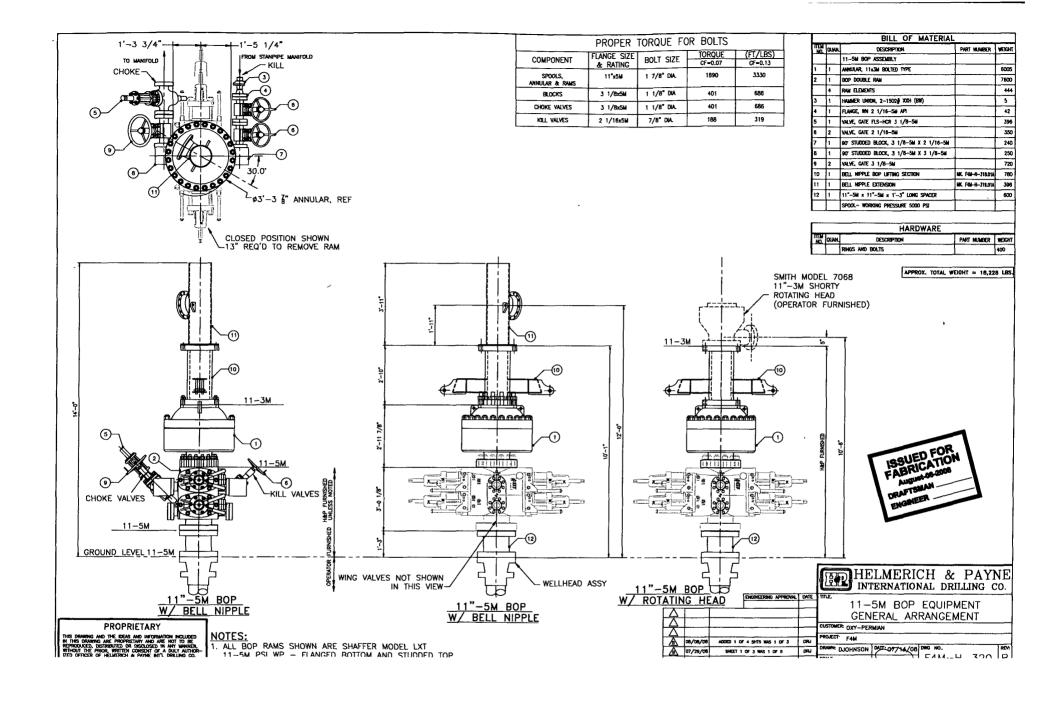
Source of Construction Material:

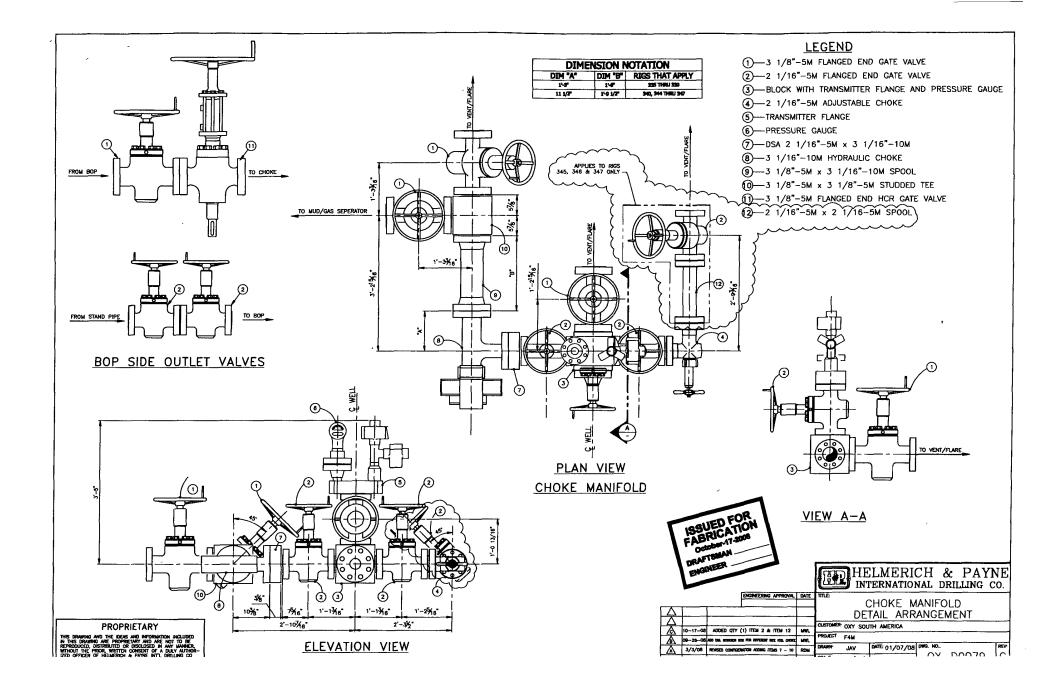
All caliche utilized for the drilling pad and proposed access road will be obtained

from an existing pit or from prevailing deposits found under the location

Directions to Location:	From Artesia, at the Intersection of USH 285 and USH 82 go south on USH 385 for 14.3 miles, turn left on CR 31 (Lakewood) for 1.3 miles. Turn right and go south on CR 33 (Sweetwater) for 0.3 miles. Turn right and go west on caliche road for 0.5 miles. Turn right on caliche road for 0.1 miles to proposed new road, go west for 0.2 miles, go north for 0.3 miles to location.
Proposed Road:	3029.4' west and north
Logging Program:	triple combo at TD
Production Facilities Layout (4):	N/A - Not Required for this APD
Flowlines: Size - N/A	Length - N/A Buried/Surface - N/A
Disposal Fluids - Transported by:	CRI
H₂\$ Contingency Plan:	3/6/09
C-144CLEZ Permit:	3/19/09
Directional Survey Plan:	N/A - Not Required for this APD
Exhibit #1 - BOP Equipment	3/12/09
Exhibit #2 - Plat Access Road	
Exhibit #3 - Plat One Mile (9 Sec) AOR	Map 3/6/09_
Exhibit #4 - Production Facilities Layou	N/A - Not Required for this APD
Exhibit #5 - Well Site Layout	3/12/09

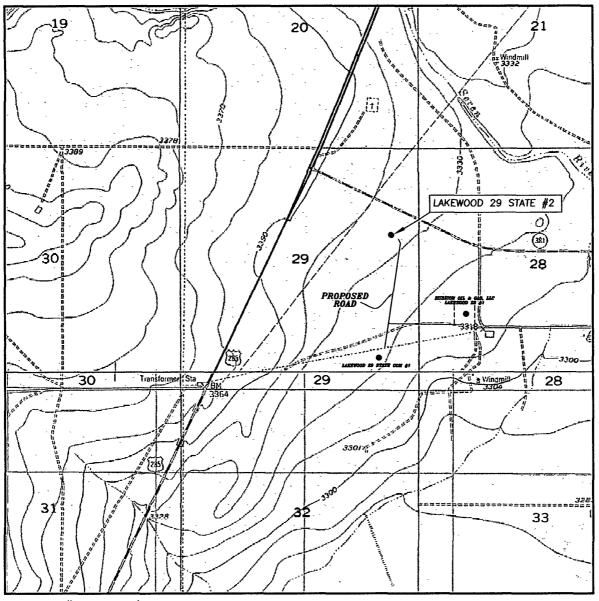






SECTION 29, TOWNSHIP 19 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY NEW MEXICO Measurements Datum of 1983 "MUTH" ALU. CAP 1/4 "MUTH" ÁLU. CAP 20 21 N89'18'40"E - 2641.2 28 29 2628.0 of Bearings t Zone (83) ı ≥ ,04 660 SURFACE LOCATION LAKEWOOD 29 STATE #2 1/4 "MUTH" ALU. CAP 600' **DIRECTIONS:** BEGINNING IN ARTESIA AT THE INTERSECTION OF U.S. HWY. #285 AND U.S. HWY. #82, GO SOUTH ON U.S. HWY. #285 FOR 14.3 MILES, TURN LEFT ON EDDY CO. ROAD #31 (LAKEWOOD LAKEWOOD 29 ROAD) FOR 1.3 MILES, TURN RIGHT AND STATE #2 600 GO SOUTH ON EDDY CO. ROAD #33 0 ELEV. 3333.0' LAT.=32.6331152°N (SWEETWATER ROAD) FOR 0.3 MILES, TURN RIGHT AND GO WEST ON CALICHE LONG.=104.3969655°W ROAD FOR 0.5 MILES, TURN RIGHT ON CALICHE ROAD FOR 0.1 MILES TO PROPOSED NEW ROAD, GO WEST FOR 0.2 MILES, GO NORTH, FOR 0.3 MILES TO LOCATION. 600 SCALE-1'=200' RUBICON OIL & GAS, LLC LAKEWOOD 28 #1 @ PROPOSED ROAD 3029.4 <u>LEGEND</u> - DENOTES FOUND MONUMENT AS NOTED SURVEYORS CERTIFICATE I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR 1000 1000 2000' FEET I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY BETRUE AND CORRECT TO THE BEST OF MY KNOWLEDGEN NO. BELIEF, AND MEETS THE "MINIMIUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY HENDEY, MEMICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS. SCALE: 1"=1000 ASS METICO OXY USA INC. 15079 Jenny (). (Isl. 3/9) Terry J. Asel N.M. R.P.S. No. 15079 LAKEWOOD 29 STATE #2 LOCATED AT 1980' FNL & 660' FEL IN SECTION 29, TOWNSHIP 19 SOUTH, RANGE 26 EAST, PROFESSIONALL N.M.P.M., EDDY COUNTY, NEW MEXICO Asel Surveying 02/27/09 Sheet Sheets Survey Date: W.O. Number: 090227WL-b KA Rev: Drawn By: P.O. BOX 393 - 310 W. TAYLOR 03/09/09 HOBBS, NEW MEXICO - 575-393-9146 090227WL-b Scale:1"=1000'

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 29 TWP. 19—S RGE. 26—E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1980' FNL & 660' FEL

ELEVATION 3333.0'

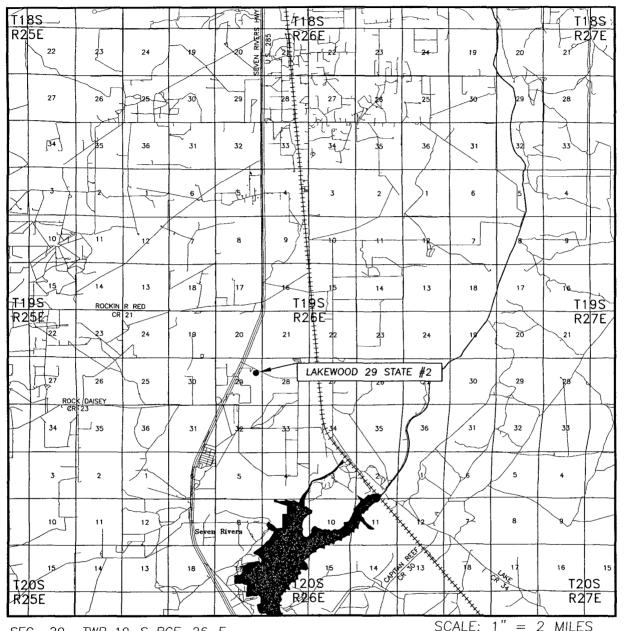
OPERATOR OXY USA INC.

LEASE LAKEWOOD 29 STATE #2

U.S.G.S. TOPOGRAPHIC MAP
DAYTON, N.M.



VICINITY MAP



 SEC. 29
 TWP. 19-S. RGE. 26-E

 SURVEY
 N.M.P.M.

 COUNTY
 EDDY

 DESCRIPTION 1980' FNL & 660' FEL

 ELEVATION
 3333.0'

OPERATOR OXY USA INC.

LEASE LAKEWOOD 29 STATE #2

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR HOBBS, NEW MEXICO - 575-393-9146



DIRECTIONS BEGINNING IN ARTESIA AT THE INTERSECTION OF U.S. HWY. #285 AND U.S. HWY. #82, GO SOUTH ON U.S. HWY. #285 FOR 14.3 MILES, TURN LEFT ON EDDY CO. ROAD #31 (LAKEWOOD ROAD) FOR 1.3 MILES, TURN RIGHT AND GO SOUTH ON EDDY CO. ROAD #33 (SWEETWATER ROAD) FOR 0.3 MILES, TURN RIGHT AND GO WEST ON CALICHE ROAD FOR 0.5 MILES, TURN RIGHT ON CALICHE ROAD FOR 0.1 MILES TO PROPOSED NEW ROAD, GO WEST FOR 0.2 MILES, GO NORTH FOR 0.3 MILES TO LOCATION.

OXY Permian

EMERGENCY ACTION PLAN

OXY Lakewood 29 State #1, 2

DRILLING/WORKOVER
DRILLING AND CRITICAL WELL OPERATIONS

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DRILLING/WORKOVER DRILLING AND CRITICAL WELL OPERATIONS

EMERGENCY ACTION PLAN

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PREFACE

An effective and viable Emergency Action Plan (EAP) 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 that 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.

The following procedures are provided as Oxy Permian's minimum expectations. The Contractor's own procedures may be utilized in lieu of Oxy Permian's, provided that it meets or exceeds the minimum deliverables. It should be understood that this list is not all-inclusive, but the overall plan should assist in lateral application to similar incidents.

This EAP is intended for use on Oxy Drilling/Workover projects and the operations within their area of responsibility, such as drilling, critical well work, etc.

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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 five (5) through nine (9) 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 cannot be contacted and the situation dictates.
 - 4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

Oxy Permian Personnel:

- A. Drill Site Manager: 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 Drilling/Workover Team Leader of the incident occurrence.
 - 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:
 - Coordinating with the Drilling Manager 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. Drilling/Workover HES Tech: The Drilling/Workover 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 five (5) through nine (9) 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.

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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 Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

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WELL CONTROL (continued)

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)

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:

1. Remain at the briefing area and await further instructions - do not leave unless instructed.

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 Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

03/18/2009

PERSONAL INJURY OR DEATH

Call for assistance, and then administer first aid for the injured. Treatment should be prioritized by life-threatening conditions.

A. Do not move injured personnel unless they are in imminent danger. An ambulance should be summoned for any injury that appears to be serious.

FIRE OR EXPLOSION

Fire Fighting Philosophy

It is Oxy Permian's intent that Oxy and contract personnel will only extinguish incipient or beginning stage fires and perform or assist in initial non-threatening rescue operations. The responding fire department will be given primacy when they arrive to control a fire on any Oxy property. Any Oxy or contract employee who participates in a fire response must be fully trained and qualified as such, and must be utilizing appropriate Personal Protective Equipment.

Contract and Oxy Personnel Deployment

In the event of a fire or explosion all personnel will report to the safe briefing area. The Senior Contract Representative on site will designate personnel for rescue as appropriate depending on their qualifications and the risks of the rescue. Any rescue which involves significant risk to those performing the rescue should be deferred to professional response personnel.

No personnel will leave the area without direction / permission from the Senior Contract Representative onsite.

The Senior Contract Representative on site will notify local emergency response personnel as required, along with the Contract Company management and the Oxy Representative as soon as reasonably possible.

SPILLS

In the event of a significant spill of any substance, the person discovering it should immediately notify the rig supervisor and the Oxy Representative. Personnel onsite should **NOT** attempt identification, control or containment unless they are absolutely sure of the product spilled, are fully aware of the hazard characteristics, and are equipped with the appropriate personal protective equipment.

HYDROCARBON VAPOR CLOUD RELEASE

Upon discovery of a Hydrocarbon Vapor Cloud (NGL) release, take immediate safety precautions to protect any company personnel or others that might be in the area. Other emergency actions should be initiated only by trained expert personnel from the appropriate pipeline company.

The following guidelines should be followed:

- 1. Immediately notify the rig supervisor and the Oxy Representative.
- Determine wind direction, and evacuate upwind or at 90 degrees to the release.
- Maintain a safe distance from the cloud.
- Render first aid and call for an ambulance as necessary.
- 5. Attempt to warn approaching individuals of the hazard.

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BOMB THREAT

In the event of a bomb threat, the person receiving the call, on or off site, should try to get as much information as possible from the caller. The person receiving the call should immediately contact the supervisor in charge. Evacuation of the field should be considered at this time. Roadblocks may need to be installed. The supervisor in charge should make all appropriate contacts.

The Supervisor contacted should:

- Realize that every bomb threat is serious.
- b. Notify Corporate Security
- c. Inform Police/Sheriff's Department and Fire Department
- d. Contact RMT Leader or his designated relief to coordinate search efforts with the assistance of the local law enforcement agencies.

BOMB THREAT CHECKLIST

Date	Name of person takin	g call	Pr	none # call came on
FILL OUT COM	IPLETELY IMMEDIA	TELY AFTER BOI	MB THREAT	
1. When is the bomb set to explode?				
	OF CALLER'S VOIC		_	
Calm Angry Excited Slow Loud	RapidCryingNormalDistinctSlurred	Laughing Raspy Deep Ragged Nasal	Lisp Accent Stutter Deep Clearing Thr	DisguisedFamiliar? Who did it sound like?Deep Breathing
BACKGROUN	D SOUNDS:			
Street Noises Voices Office	House NoisesMotorClear	FactoryMachineryAnimalsOther	Music Static PA System	Local Call Long Distance Phone Booth
THREAT LANG	GUAGE:		•	
Well-Spoke Message R	enFoul ead by Threat Maker	Incoherent	Irrational	Taped
REMARKS:		•		

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NATURAL DISASTERS

Tornadoes

These general procedures should be followed by everyone seeking shelter from a severe storm or tornado:

Indoors:

- 1. Protect yourself from flying glass and debris.
- 2. Take refuge near the core of the building for maximum protection.
- 3. Do not smoke while taking shelter.
- 4. Shut all doors to offices, if time permits.

In the field:

- 1. Seek cover in a low-lying area, such as a culvert, ditch, pit, or water injection valve box.
- 2. Get out of and away from your vehicle.
- 3. Stay away from power lines.
- 4. Cover your head with your arms and clothing.

Thunderstorms

Indoors:

- 1. Avoid water pipes, sinks, showers, tubs, etc.
- 2. Stay away from doors and windows.
- 3. Do not use the telephone.
- 4. Take off head sets.
- 5. Turn off, unplug, and stay away from appliances, computers, power tools, & TV sets.

In the field:

- 1. Avoid water.
- 2. Avoid high ground and open spaces.
- 3. Avoid all metal objects including electric wires, fences, machinery, motors, power tools, etc. <u>Unsafe places</u> include underneath canopies, small picnic or rain shelters, or near trees. Where possible, find shelter in a substantial building or in a fully enclosed metal vehicle such as a car, truck or a van with the windows completely shut. If lightning is striking nearby when you are outside, you should:
 - a. Crouch down, feet together, hands over ears
 - b. Avoid proximity (minimum of 15 ft.) to other people.
- 4. SUSPEND ACTIVITIES for 30 minutes after the last observed lightning or thunder.

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.

Drilling Dept. Emergency Contact list

Drilling Manager Bob Joseph 713-366-5798 office

661-333-7356 cell

home

Drilling Superintendent Festus Hagan 713-366-5946 office

432-894-5352 cell

home

Drilling Eng. Supervisor Richard Jackson 432-685-5877 office

432-894-7867 cell

432-689-0804 home

HES Specialist-Drilling Allan Wells 432-685-5723 office

432-894-1011 cell

432-695-4352 home

Drilling Coordinator Drue Dunaway 432-685-5715 office

432-556-3288 cell

432-524-2161 home

Drilling Coordinator Kevin Videtich 806-592-6213 office

806-891-2000 cell

806-894-2242 home

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OXY Permian Incident Reporting Phone List

OXY Permian Crisis Team Hotline Notification

Terson	Docution	Office I none	CCIDIVIODIIC I IIO
Person	Location	Office Phone	Cell/Mobile Pho
	,		

(713) 935-7210

Person	Location	Office Phone	Cell/Mobile Phone
Asset Management-Operations Areas			
OXY Permian President & General Manager:			
Ken Dillon	Houston	(713) 366-5140	(661) 333-9315
Operations Support Manager: Rick Callahan	Houston	(713)-215-7578	(281) 389-1141
Asset Development Manager-Jeff Simmons	Houston	(713) 366-5124	(713) 560-8073
Public Affairs: Stacey Crews	Houston	(713) 366-5304	(713) 416-8381
Operations South-Frontier			
RMT Lead Frontier-Kris Raghavan	Houston	(713) 366-5018	(281) 415-8387
RMT Lead South-Keith Brown	Houston	(713) 366-5354	(713) 264-1114
Surface Operations Team Lead-Bill Elliott	Midland	(432) 685-5845	(432) 557-6736
Well Operations Team Lead-Leamon Hood	Midland	(432) 685-5794	(432) 634-4486
Well Servicing Team Lead-Vicki Hollub	Houston	(713) 215-7332	(713) 885-6347
WST Coord Frontier-Kirk Hobbs	Midland	(432) 685-5951	(432) 634-3890
WST Coord South-Robert Ricks	Midland	(432) 685-5821	(432) 634-8791
NM Frontier Oper Coord -Larry Sammons	Carlsbad	(575) 887-8337	
NM-South Oper Coord-James Bruton	Seminole	(432) 385-2778	(432) 634-6152
Completion Specialist-Van Barton	Carlsbad	(575) 887-8337	
Completion Specialist-Dale Redding	Hobbs	(432) 385-3206	
HES Staff & Areas of First Contact Support			
HES Manager: John Kirby	Houston	(713) 366-5460	(281) 974-9523
Environmental Engineer, Air: Peggy Waisanen	Midland	(432) 685-5673	(432) 894-1968
Administrative Assistant: Judy Browning	Midland	(432) 685 5692	(432) 661 1048
Environmental Consultant: Dennis Newman	Houston	(713) 366-5485	(713) 560-8060
Safety Engineer: Derek Purvis	Houston	(713) 366-5932	(713) 582-1848
Pipeline Safety: Don Bales	Midland	(432) 685-5844	(432) 894-1960
HES Lead-Pete Maciula	Midland	(432) 685-5667	(432) 557-2450
HES Specialist: Eddie Gonzales	Midland	(432) 685-5929	(432) 556-6790
HES Specialist-Drilling: Allan Wells	Midland	(432) 685-5723	(432) 894-1011
HES Tech & Area of Responsibility			
Wasson San Andres RMT: Mark Andersen	Denver City	(806) 592-6299	(806) 215-0077
Hobbs RMT: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Frontier-New Mexico: Rick Kerby	Carlsbad	(575) 887-8337	(575) 631-4972
South-New Mexico-Tony Summers	Hobbs	(575) 397-8236	(575) 390-9228
Regulatory Affairs			T

Houston (713) 366-5303 Lead-Liz Bush-Ivie 832-474-3701

Regulatory Analyst-David Stewart	Midland	(432) 685-5717	
Regulatory Analyst-Elizabeth Casbeer	Midland	(432) 685-5755	
Regulatory Analyst-Mark Stephens	Houston	(713) 366-5158	
DOT-Pipeline Response Numbers			
N. Hobbs Unit: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Wasson PMT: Todd King	Denver City	(806) 592-6274	(806) 215-0183
Bravo/Slaughter PMT: Gary Polk	Levelland	(806) 229-9708	(806) 638-2425
Cogdell RMT: Dean Peevy	Cogdell	(325) 573-7272	(325) 207-3367
Sharon Ridge: Carl Morales	Sharon Ridge	(325) 573-6341	(325) 207-3374
All DOT Pipeline Support: Donald Bales	Midland	(432) 685-5844	(432) 894-1960
All DOT Tipeline Support. Donald Bales	Wildiand	(432) 083-3844	(432) 894-1900
OOGC HES Contacts			
Manager HES: Wes Scott	OOGC – Houston	(713) 215-7171	(713) 203-4050
Worldwide Safety Mgr: Greg Hardin alternate	OOGC – Houston	(713) 366-5324	(713) 560-8037
Worldwide Environ. Mgr: Ravi Ravishankar	OOGC – Houston	(713) 366-5039	(832) 863-2240
OOGC Risk Management	1		
Jim Garrett	Los Angeles	(310) 443-6588	(310) 710-3233
Greg LaSalle, alternate	Los Angeles	(310) 443-6542	(310) 710-2255
007	•		
OSI	D.II	(070) 404 2540	<u> </u>
Workers Comp. Claim Manager: Steve Jones	Dallas	(972) 404-3542	
Workers Comp. Claims: Mark Ryan	Dallas	(972) 404-3974	
Auto Claims: Steve Jones	Dallas	(972) 404-3542	
Gallagher Bassett			
Workers Comp. & Property Damage Claims-		(972) 728-3600	<u>y</u> uus-
OXY Permian Ltd.: Danny Ross	,	X252	(800) 349-8492
Axiom Medical Consulting			•
Medical Case Management		(977) 502 0466	
Medical Case Management		(877) 502-9466	
OXY Permian Legal			
Tom Janiszewski	Houston	(713) 366-5529	(713) 560-8049
Human Resources			
H.R. Manager: Barbara Bernhard	Houston	(713) 215-7150	(713) 702-7949
H.R. Consultant: Amy Thompson	Houston	(713) 215-7863	(281) 799-7348
H.R. Consultant: Laura Matthews	Houston	(713) 366-5137	(713) 569-0386
H.R. Consultant: Jill Williams	Midland	(432) 685-5818	(432) 661-4581
~			
Corporate Security	T	(=10)	(7.1) 453 5-33
Frank Zapalac	Houston	. (713) 215-7157	(713) 829-5753
Hugh Moreno, alternate	Houston	(713) 215-7162	(713) 817-3322

Regulatory Agencies

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Bureau of Land Management	Carlsbad, NM	(575) 887-6544
Bureau of Land Management	Hobbs, NM	(575) 393-3612
Bureau of Land Management	Roswell, NM	(575) 393-3612
Bureau of Land Management	Santa Fe, NM	(505) 988-6030
DOT Juisdictional Pipelines-Incident		
Reporting New Mexico Public Regulation	1	(505) 827-3549
Commission	Santa Fe, NM	(505) 490-2375
DOT Juisdictional Pipelines-Incident		
Reporting Texas Railroad Commission	Austin, TX	(512) 463-6788
EPA Hot Line	Dallas, Texas	(214) 665-6444
Federal OSHA, Area Office	Lubbock, Texas	(806) 472-7681
National Response Center	Washington, D. C.	(800) 424-8802
National Infrastructure Coordinator Center		(202) 282-9201
New Mexico Air Quality Bureau	Santa Fe, NM	(505) 827-1494
New Mexico Oil Conservation Division	Artesia, NM	(575) 748-1283
New Mexico Oil Conservation Division	Hobbs, NM	(575) 393-6161
New Mexico Oil Conservation Division	Santa Fe, NM	(505) 471-1068
		(505) 827-7152
New Mexico OCD Environmental Bureau	Santa Fe, NM	(505) 476-3470
New Mexico Environmental Department	Hobbs, NM	(575) 827-9329
NM State Emergency Response Center	Santa Fe, NM	(505) 827-9222
	District 8, 8A Midland,	
Railroad Commission of TX	TX	(432) 684-5581
Texas Emergency Response Center	Austin, TX	(512) 463-7727
TCEQ Air	Region 2 Lubbock, TX	(806) 796-3494
TCEQ Water/Waste/Air	Region 7 Midland, TX	(432) 570-1359

Medical Facilities

Artesia General Hospital	Artesia, NM	(575) 748-3333	
Guadalupe Medical Center	Carlsbad, NM	(575) 887-6633	
Lea Regional Hospital	Hobbs, NM	(575) 492-5000	
Medical Arts Hospital	Lamesa, TX	(806) 872-2183	
Medical Center Hospital	Odessa, TX	(432) 640-4000	
Memorial Hospital	Seminole, TX	(432) 758-5811	
Midland Memorial Hospital	Midland, TX	(432) 685-1111	<u>_</u>
Nor-Lea General Hospital	Lovington, NM	(575) 396-6611	
Odessa Regional Hospital	Odessa, TX	(432) 334-8200	
St. Mary's Hospital	Lubbock, TX	(806) 796-6000	
Union County General Hospital	Clayton, NM	(505) 374-2585	
University Medical Center	Lubbock, TX	(806) 743-3111	

Local Emergency Planning Comm.

Richard H. Dolgener	Andrews County, TX	(432) 524-1401	_
Joel Arnwine	Eddy County, NM	(575) 887-9511	_
County Judge Judy House	Gaines County, TX	(432) 758-5411	
Myra Sande	Harding County, NM	(505) 673-2231	
Jerry Reynolds	Lea County, NM	(575) 396-8600	(575) 399-2376

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Royce Creager	Loving County, TX	(432) 377-2231
Mike Cherry	Quay County, NM	(505) 461-2476
Della Wetsel	Union County, NM	(505) 374-8896
Bonnie Leck	Winkler County, TX	(432) 586-6658
Carl Whitaker	Yoakum County, TX	(806) 456-7491
Law Enforcement - Sheriff	1	
Andrews Cty Sheriff's Department	Andrews County	(432) 523-5545
Eddy Cty Sheriff's Department	Eddy County (Artesia)	(575) 746-2704
Eddy Cty Sheriff's Department	Eddy County (Carlsbad)	(575) 887-7551
Gaines Cty Sheriff's Department	Gaines County (Seminole)	(432) 758-9871
Lea Cty Sheriff's Department	Lea County (Eunice)	(575) 384-2020
Lea Cty Sheriff's Department	Lea County (Hobbs)	(575) 393-2515
Lea Cty Sheriff's Department	Lea County (Lovington)	(575) 396-3611
Union Cty Sheriff's Department	Union County (Clayton)	(505) 374-2583
Yoakum City Sheriff's Department	Yoakum Co.	(806) 456-2377
Law Enforcement - Police		
Andrews City Police	Andrews, TX	(432) 523-5675
Artesia City Police	Artesia, NM	(575) 746-2704
Carlsbad City Police	Carlsbad, NM	(575) 885-2111
Clayton City Police	Clayton, NM	(505) 374-2504
Denver City Police	Denver City, TX	(806) 592-3516
Eunice City Police	Eunice, NM	(575) 394-2112
Eumce City Folice	Eunice, NIVI	(575) 397-9265
Hobbs City Police	Hobbs, NM	(575) 393-2677
Jal City Police	Jal, NM	(575) 395-2501
Lovington City Police	Lovington, NM	(575) 396-2811
Seminole City Police	Seminole, TX	(432) 758-9871
Law Enforcement - FBI		
FBI	Alburqueque, NM	(505) 224-2000
FBI	Midland, TX	(432) 570-0255
TH	Wildiand, 17A	(432) 370-0233
Law Enforcement - DPS	1	
NM State Police	Artesia, NM	(575) 746-2704
NM State Police	Carlsbad, NM	(575) 885-3137
NM State Police	Eunice, NM	(575) 392-5588
NM State Police	Hobbs, NM	(575) 392-5588
NM State Police	Clayton, NM	(505) 374-2473; 911
TX Dept of Public Safety	Andrews, TX	(432) 524-1443
TX Dept of Public Safety	Seminole, TX	(432) 758-4041
TX Dept of Public Safety	Yoakum County TX	(806) 456-2377
Firefighting & Rescue	4	(505) (22 2112
Amistad/Rosebud	Amistad/Rosebud, NM	(505) 633-9113

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		(432) 523-4820
Andrews	Andrews, TX	(432) 523-3111
Artesia	Artesia, NM	(575) 746-5051
Carlsbad	Carlsbad, NM	(575) 885-3125
Clayton	Clayton, NM	(505) 374-2435
Denver City	Denver City, TX	(806) 592-5426
Eunice	Eunice, NM	(575) 394-2111
Hobbs	Hobbs, NM	(575) 397-9308
Jal	Jal, NM	(575) 395-2221
Kermit	Kermit, TX	(432) 586-3468
Lovington	Lovington, NM	(575) 396-2359
Maljamar	Maljamar, NM	(575) 676-4100
Monahans	Monahans, TX	(432) 943-4343
Nara Visa	Nara Visa, NM	(505) 461-3300
Pecos	Pecos, TX	(432) 445-2421
Seminole	Seminole, TX	(432) 758-3676 (432) 758-9871

Ambulance

Amistad/Rosebud	Amistad/Rosebud, NM	(505) 633-9113	
Andrews Ambulance	Andrews, TX	(432) 523-5675	
Artesia Ambulance	Artesia, NM	(575) 746-2701	
Carlsbad Ambulance	Carlsbad, NM	(575) 885-2111; 911	
Clayton, NM	Clayton, NM	(575) 374-2501	
Denver City Ambulance	Denver City, TX	(806) 592-3516	
Eunice Ambulance	Eunice, NM	(575) 394-3258	
Hobbs, NM	Hobbs, NM	(575) 397-9308	
Jal, NM	Jal, NM	(575) 395-2501	
Lovington Ambulance	Lovington, NM	(575) 396-2811	
Nara Visa, NM	Nara Visa, NM	(505) 461-3300	
Pecos Ambulance	Pecos, TX	(432) 445-4444	
Seminole Ambulance	Seminole, TX	(432) 758-8816 (432) 758-9871	

Medical Air Ambulance Service

AEROCARE - Methodist Hospital	Lubbock, TX	(800) 627-2376	
San Angelo Med-Vac Air Ambulance	San Angelo, TX	(800) 277-4354	
Southwest Air Ambulance Service	Stanford, TX	(800) 242-6199	
Southwest MediVac	Snyder, TX	(800) 242-6199	
Southwest MediVac	Hobbs, NM	(800) 242-6199	
Odessa Care Star	Odessa, TX	(888) 624-3571	
NWTH Medivac	Amarillo, TX	(800) 692-1331	

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