

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

S

Form C-101
May 27, 2004

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

FEB 26 2008
OCD-ARTESIA
Submit to appropriate District Office
☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Occidental Permian Limited Partnership P.O. Box 50250 Midland, TX 79710		² OGRID Number 157984
⁴ Property Code	⁵ Property Name Full Recovery	³ API Number 30-015-361489
⁹ Proposed Pool 1 Salt Draw Morrow, West 96819		⁶ Well No. 1
¹⁰ Proposed Pool 2		

Surface Location

UL or lot no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
1	6	25S	28E		660	north	660	east	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

Additional Well Location

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3048'
¹⁶ Multiple N	¹⁷ Proposed Depth 12900'	¹⁸ Formation Morrow	¹⁹ Contractor H&P	²⁰ Spud Date 6/30/08
Depth to ground water See C-144		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner, Synthetic <input type="checkbox"/> _____ mls thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				


Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48# H40	600'	535	Surface
12-1/4"	9-5/8"	40# K55	2700'	750	Surface
8-3/4"	7"	26# HCP110	10000'	880	Surface
6-3/4"	4-1/2"	11.6# HCP110	12900'	675	9000'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

See Attachment

This well was originally permitted & approved 2/2/06, an extension was granted but expired 2/2/08. Property Code No. 35419 API No. 30-015-34584

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD approved plan ☐.
Signature: 

Printed name: David Stewart

Title: Sr. Regulatory Analyst

E-mail Address: david_stewart@oxy.com

Date: 2/2/08

Phone: 432-685-5717

OIL CONSERVATION DIVISION

Approved by:

Title: BRYAN G. ARANT
DISTRICT II GEOLOGIST

Approval Date:

Expiration Date:

2-26-08

2-26-10

Conditions of Approval:

Attached ☐

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

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

Oil Conservation Division

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

RECEIVED

Submit to appropriate District Office

FEB 02 2006

JULIARTESIA

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address OXY USA WTP Limited Partnership P.O. Box 50250 Midland, TX 79710-0250		² OGRID Number 192463
⁴ Property Code 35419	⁵ Property Name OXY Full Recovery	³ API Number 30-015-34584
⁹ Proposed Pool 1 Undesignated Salt Draw Morrow, West 96819		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	6	25S	28E		660	north	660	east	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

Additional Well Location

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3048'
¹⁶ Multiple No	¹⁷ Proposed Depth 13000'	¹⁸ Formation Morrow	¹⁹ Contractor N/A	²⁰ Spud Date 6/1/06
Depth to ground water		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	650'	460sx	surface-circulate
12-1/4"	9-5/8"	36#	2600'	750sx	surface-circulate
8-3/4"	7"	26#	9800'	1150sx	Est TOC-2300'
6-1/4"	4-1/2"	12.75#	9500-13000'	400sx	Est TOC-9500'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

See Attachment

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

C-144 Attached

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.
Signature: *David Stewart*

Printed name: David Stewart

Title: Sr. Regulatory Analyst

E-mail Address: david.stewart@oxy.com

Date: 1/31/06

Phone:

432-685-5717

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: FEB 02 2006 Expiration Date: FEB 02 2007

Conditions of Approval:

Attached ☐

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-34584
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: OXY Full Recovery
8. Well Number 1
9. OGRID Number 192463
10. Pool name or Wildcat Undsg. Salt Draw Morrow. West

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3048'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Request 1 year extension <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

OXY USA WTP LP respectfully requests that the APD for the OXY Full Recovery #1, API No. 30-015-34584 be granted a one year extension, this permit is due to expire 2/2/07. Please see attached for a copy of the C-101.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any 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 ☐

SIGNATURE David Stewart TITLE Sr. Regulatory Analyst DATE 1/26/07

Type or print name David Stewart

E-mail address:

Telephone No. 432-685-5717

For State Use Only
APPROVED BY BRYAN G. ARRANT
DISTRICT II GEOLOGIST

TITLE _____ DATE _____

Conditions of Approval, if any:

JAN 31 2007

Operator Name/Number: Occidental Permian LP - 157984
 Lease Name/Number: Full Recovery #1
 Pool Name/Number: Undesignated Salt Draw Morrow, West (Gas) - 96819
 Surface Location: 660 FNL 660 FEL 1 - Sec 6 T25S R28E - Eddy County NM
 Bottom Hole Location: N/A
 Cost Center/AFE No.: _____

C-102 Plat: 11/3/05 11/9/05 1/31/06 Elevation: 3048'

Lat: 32.16458 Long: 104.11988 X=566050.9 Y=423662.2 NAD - 1927

DWE (Detailed Well Estimate): 1/31/06 Geologic Well Prognosis: 1/31/06

Proposed TD: 12900' TVD 12900' TMD

Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	600'	13-3/8"	48#	STC	H40	New	2.63	3.97	4.24
12-1/4"	2700'	9-5/8"	40#	LTC	K55	New	1.83	1.44	1.77
8-3/4"	10000'	7"	26#	LTC	HCP110	New	1.2	1.31	2.59
6-3/4"	12900'	4-1/2"	11.6#	LTC	HCP110	New	1.55	2	3.09

Cement Program

- 13-3/8" Surface Cement to Surface w/ 285sx HES light PP w/ 2% CaCl₂ + .125#/sx Poly-E-Flake 12.7ppg 1.89yield followed by 250sx PP w/ CaCl₂, 14.8ppg 1.34yield
- 9-5/8" Intermediate Cement to Surface w/ 550sx IFC w/ .125#/sx Poly-E-Flake 11.9ppg 2.45yield followed by 200sx PP w/ 2% CaCl₂ 14.8ppg 1.34yield.
- 7" Intermediate DV Tool @ +/-5000', cement 1st stage w/ 250sx IFH w/ .1% HR-7 2.76ppg 11.5yield followed by 200sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7 13 ppg 1.67 yield. Cement 2nd stage w/ 230sx IFH w/ .125#/sx Poly-E-Flake 11.5ppg 2.76yield followed by 200sx PP 14.8ppg 1.32yield. Estimated TOC @ surface.
- 4-1/2" Production Cement w/ 675sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7 13ppg 1.67yield. Estimated TOC @ 9000'.

Proposed Mud Circulation System

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0-600'	8.7-9.2	32-34	N/C	Fresh Water/native mud
600-2700'	8.3-10.1	28-29	N/C	Fresh/*Brine Water
2700-10000'	8.3-8.5	28-29	N/C	Fresh Water
10000-11000'	9.6-10.0	28-29	<20cc	Cut Brine
11000-12900'	9.6-10.0	32-36	<10cc	Duo Vis/Flo Trol

*Fresh water will be used unless chlorides in the mud system increases to 20000ppm

BOP Program (1):

Surface	0-600'	None
Intermediate	600-2700'	13-5/8" CIW 10M three ram stack w/ 5M annular preventer, to be used as diverter only.
Production	2700' - TD	13-5/8" CIW 10M three ram stack w/ 5M annular preventer, w/ rotating head below 10000'

Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

<u>Geological Marker</u>	<u>Depth</u>	<u>Type</u>	<u>Source</u>
a. Upper Permian Sand	<u>150'</u>	<u>Water</u>	<u>NMOSE</u>
b. Rustler	<u>595'</u>	<u></u>	<u>3001523959</u>
c. T. Salt	<u>816'</u>	<u></u>	<u>"</u>
d. B. Salt	<u>2060'</u>	<u></u>	<u>"</u>
e. Lamar	<u>2510'</u>	<u>Oil</u>	<u>GWP</u>
f. Delaware	<u>2548'</u>	<u>Oil</u>	<u>"</u>
g. Bone Spring	<u>6160'</u>	<u>Oil</u>	<u>"</u>
h. 1st Bone Spring	<u>7073'</u>	<u>Oil</u>	<u>"</u>
i. 2nd Bone Spring	<u>7926'</u>	<u>Oil</u>	<u>"</u>
j. 3rd Bone Spring	<u>8933'</u>	<u>Oil</u>	<u>"</u>
k. Wolfcamp	<u>9318'</u>	<u>Gas</u>	<u>"</u>
l. Penn	<u>10998'</u>	<u>Gas</u>	<u>"</u>
m. Strawn	<u>11408'</u>	<u>Gas</u>	<u>"</u>
n. Atoka	<u>11630'</u>	<u>Gas</u>	<u>"</u>
o. Morrow	<u>12208'</u>	<u>Gas</u>	<u>"</u>
p. _____	<u></u>	<u></u>	<u></u>
q. _____	<u></u>	<u></u>	<u></u>
r. _____	<u></u>	<u></u>	<u></u>

Spacing Unit: N/2 320ac

Spud Date: 3/1/08

Arch Survey: N/A - Not Required for this APD

Surface Owner: Devon Energy 20 N. Broadway, Ste. 1500 Oklahoma City, OK

Surface Lessee: None

Lease Responsibility Statement: N/A - Not Required for this APD

Private Surface Owner Agreement: N/A - Not Required for this APD

Nearest Residence/Structure: None within 2 miles

Wellsite Layout (5): V-door - East Pits - North

Source of Construction Material: Caliche will be obtained from a private pit in SE/4 Sec 21 T24S R28E

Directions to Location: From the intersection of CR 720 and CR 774, go southwest on CR 774 for 4.0 miles. To a
proposed road survey. Follow proposed road survey approximately 9132' southeast/east to
location.

Proposed Road: 9132' southeast from an existing road

Logging Program: Neutron Density\Resistivity

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: N/A - Not Required for this APD

H₂S Contingency Plan: 2/14/08

Pit Permit: 2/14/08

Directional Survey Plan: N/A - Not Required for this APD

Exhibit #1 - BOP Equipment 2/5/08

Exhibit #2 - Plat Access Road-Topographic Map 11/3/05 11/9/05

Exhibit #3 - Plat One Mile (9 Sec) AOR Map 2/1/08

Exhibit #4 - Production Facilities Layout N/A - Not Required for this APD

Exhibit #5 - Well Site Layout 2/5/08

DISTRICT I
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State of New Mexico
Energy, Minerals and Natural Resources Department

FEB 26 2008
OCD-ARTESIA

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-	Pool Code 96819	Pool Name Salt Draw Morrow, West (Gas)
Property Code 37037	Property Name FULL RECOVERY	Well Number 1
OGRID No. 157984	Operator Name Occidental Permian Limited Partnership	Elevation 3048'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	25-S	28-E		660	NORTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	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

LOT 4	LOT 3	LOT 2	LOT 1
			3050.2' 3044.7' 660' 3050.1' 3043.3'
LOT 5			
LOT 6			
LOT 7			

GEODETIC COORDINATES
NAD 27 NME

Y=423662.2 N
X=566050.9 E

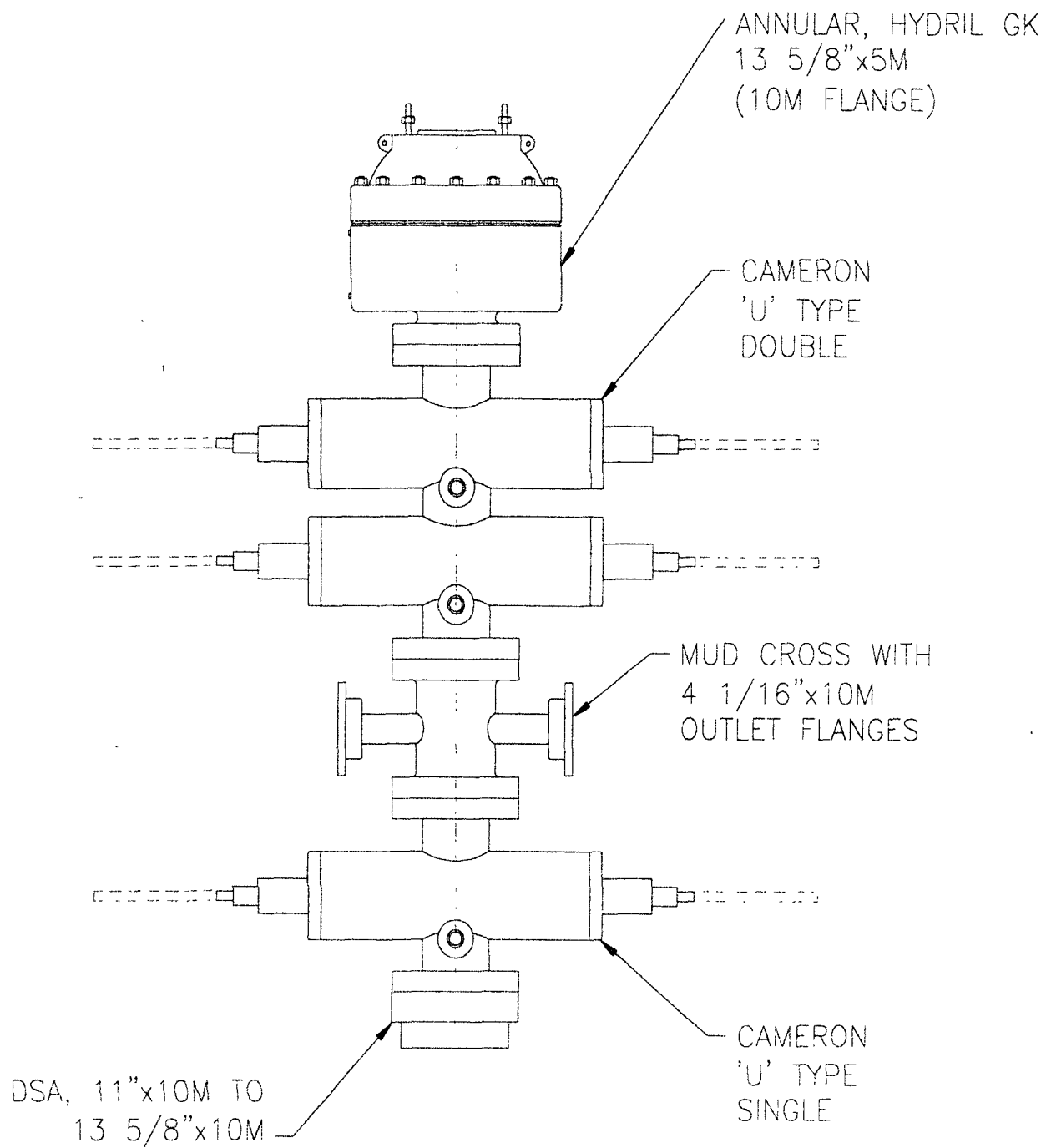
LAT.=32°09'52.50" N
LONG.=104°07'11.57" W

OPERATOR CERTIFICATION
I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

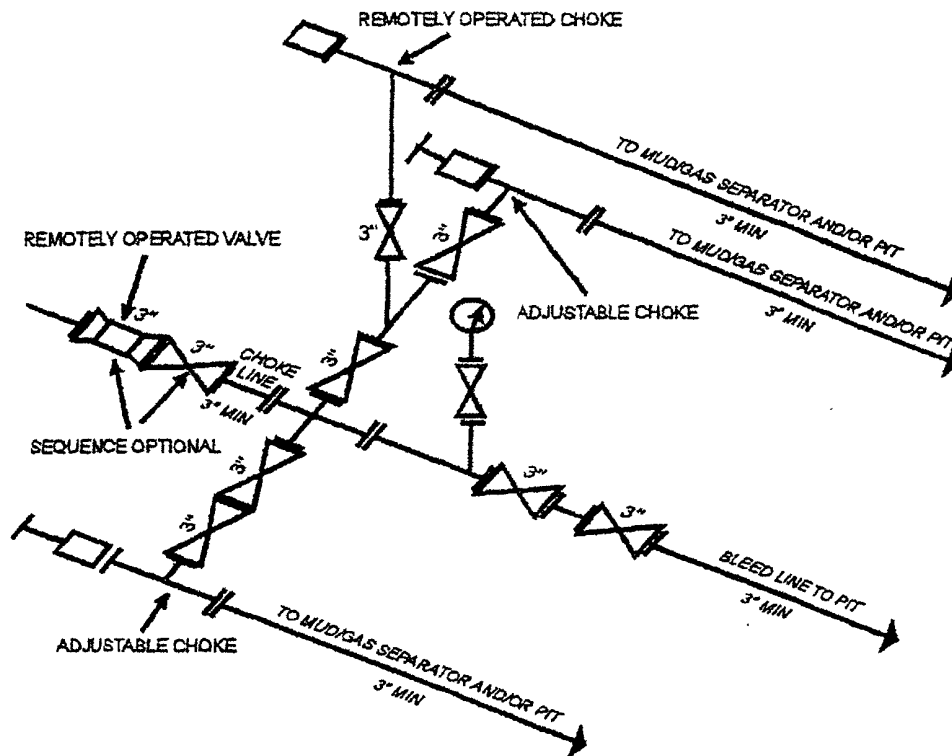
Signature
David Stewart
Printed Name
Sr.Reg Analyst
Title
2/21/08
Date

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.

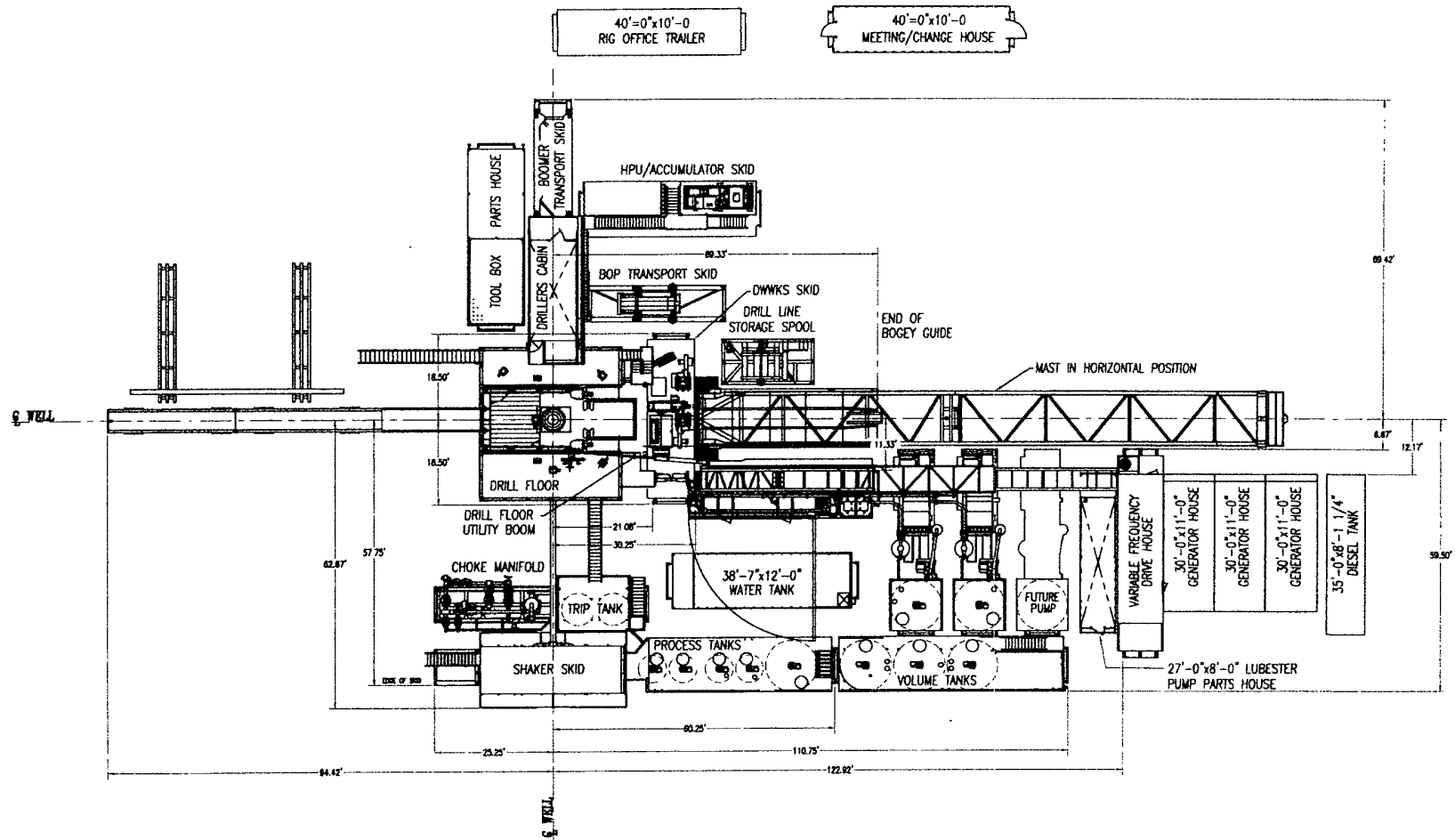
NOVEMBER 03, 2005
Date Surveyed
Signature & Seal of Professional Surveyor
GARY EDISON
3239
11/09/05
Certificate No. GARY EDISON 12641
RONALD EDISON 3239



BOP STACK



10M AND 15M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
 [53 FR 49661, Dec. 9, 1988 and 54 FR 39528, Sept. 27, 1989]



PLAN VIEW

SEE SHIT 2 FOR RIG SITE LAYOUT

HP HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

RIG 212
RIG COMPONENT LAYOUT

CUSTOMER: H&P

PRODUCT: FlexRig3

DRAWN: RAY

DATE: 6/28/01

SCALE: 3/32"=1'

DATE: 6/28/01

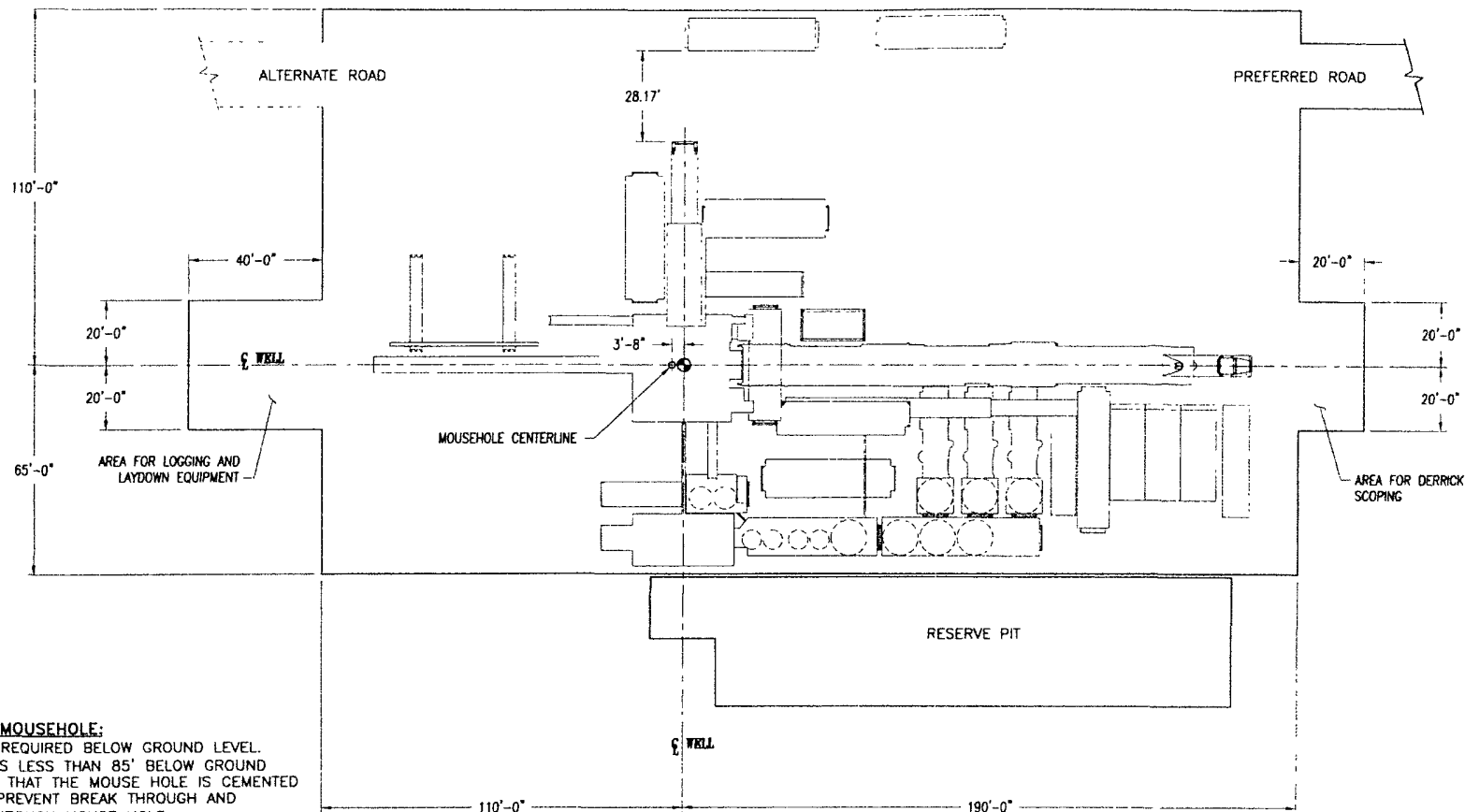
SHEET: 1 OF 2

212-G0-01

212-G0-01

J

ENGINEERING APPROVAL		DATE	TITLE
△	4/24/02	UPDATED SITE LAYOUT	LT
△	10-01-04	CHANGED TO NO COMPONENT LAYOUT, ADDED SHIT 2	DRA/MS
△	5-28-04	CORRECTED V-DRAW & CATHANK VIEW	MTS
△	2/4/04	CORRECT DIM AND REMOVE EQUIP DIM	RAY
△	7/2/02	ADDED DIMS IN TENTHS	RAY
REV	DATE	DESCRIPTION	BY



NOTES FOR ROTATING MOUSEHOLE:

1. 70' OF MOUSE HOLE REQUIRED BELOW GROUND LEVEL.
2. IF CONDUCTOR PIPE IS LESS THAN 85' BELOW GROUND LEVEL, IT IS RECOMMEND THAT THE MOUSE HOLE IS CEMENTED IN PLACE IN ORDER TO PREVENT BREAK THROUGH AND CIRCULATION/WASHOUT THROUGH MOUSE HOLE.
3. USE 12" (MINIMUM NOMINAL SIZE) PIPE. THIS CAN BE SPIRAL WELD OR LOW PRESSURE PIPE. 10" IS USED IN SOME APPLICATIONS, BUT DUE TO INACCURACIES IN LOCATION OF MOUSEHOLE AND POTENTIAL OUT OF ALIGNMENT, 12" PIPE IS RECOMMENDED.
4. CEMENT MOUSE HOLE IN 13 1/2" OR 14 3/4" HOLE

SEE SH1 1 FOR RIG COMPONENT LAYOUT

HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

RIG 212
SITE LAYOUT

CUSTOMER: H&P

PROJECT: FlexRig3

DRAWN: MRL

DATE: 10-01-04

DWG NO.

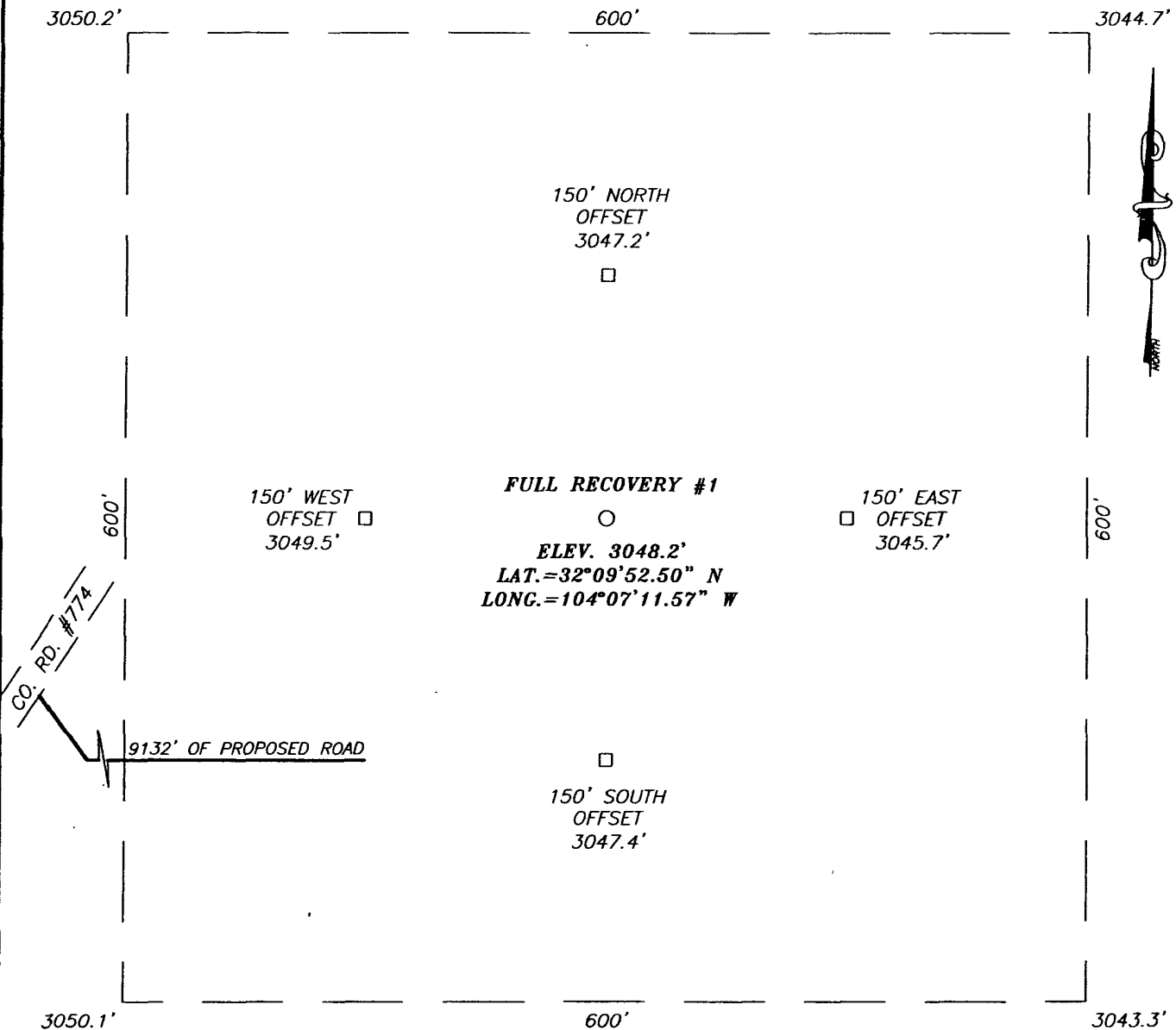
SCALE: 1/16"=1'

SHEET 2 OF 2

212-G0-01

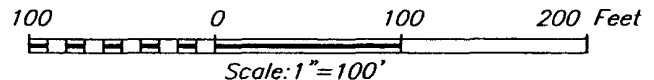
ENGINEERING APPROVAL		DATE	TITLE
△			
△			
△			
△			
REV	DATE	DESCRIPTION	BY

SECTION 6, TOWNSHIP 25 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

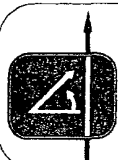
FROM THE INTERSECTION OF CO. RD. #720
(BLACK RIVER VILLAGE RD.) AND CO. RD. #774
(ROADRUNNER RD.) GO SW ON CO. RD. #774
FOR APPROX. 4.0 MILES TO A PROPOSED ROAD
SURVEY. FOLLOW PROPOSED ROAD SURVEY
APPROX. 9132' TO THIS LOCATION.



OXY U.S.A. W.T.P., LP

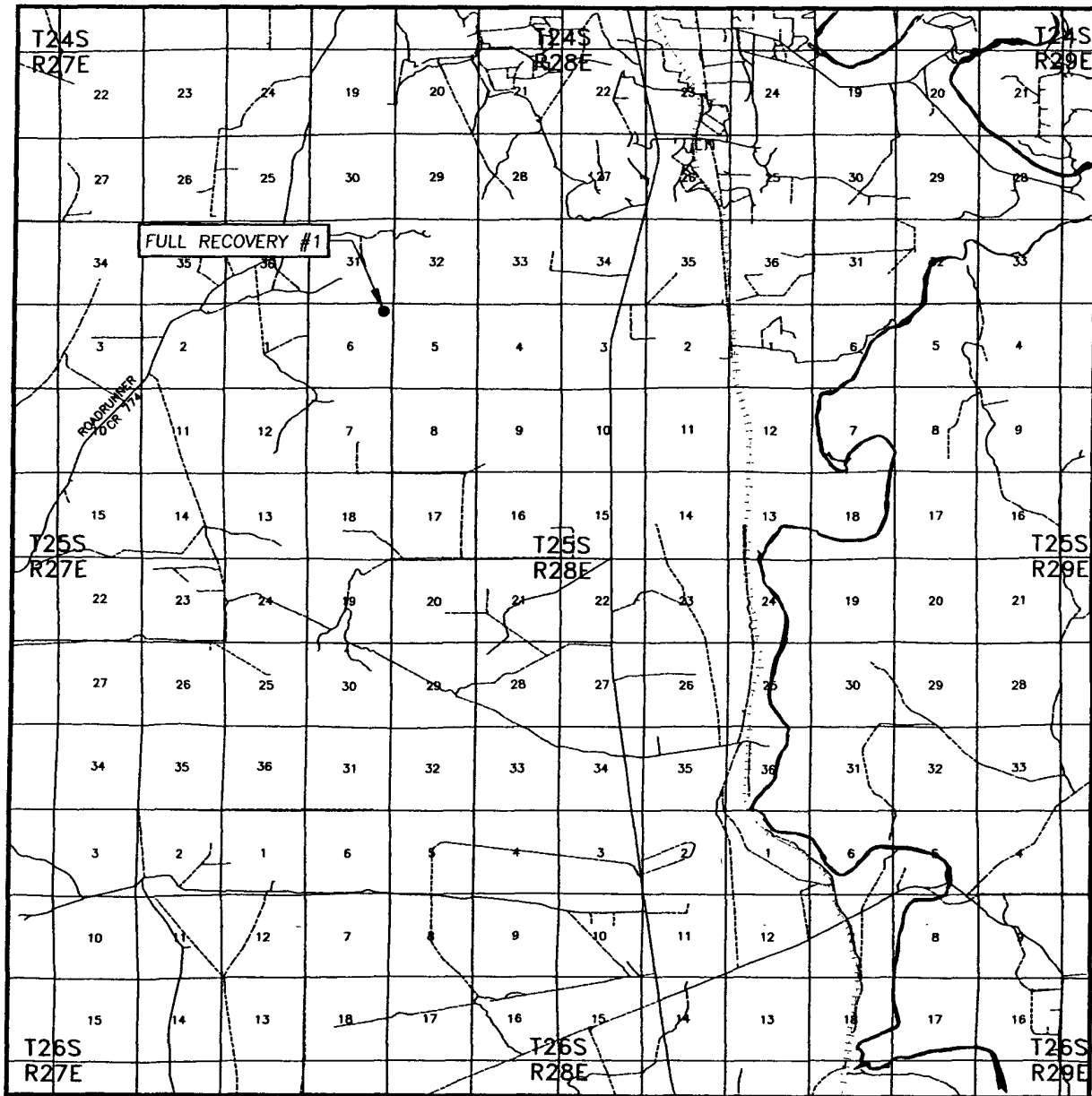
FULL RECOVERY #1 WELL
LOCATED 660 FEET FROM THE NORTH LINE
AND 660 FEET FROM THE EAST LINE OF SECTION 6,
TOWNSHIP 25 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

Survey Date: 11/03/05	Sheet 1 of 1 Sheets		
W.O. Number: 05.11.1686	Dr By: J.R.	Rev 1:N/A	
Date: 11/04/05	Disk: CD#5	05111686	Scale: 1"=100'



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 6 TWP. 25-S RGE. 28-E

SURVEY N.M.P.M.

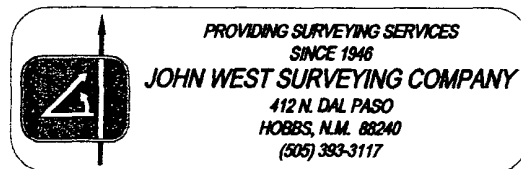
COUNTY EDDY

DESCRIPTION 660' FNL & 660' FEL

ELEVATION 3048'

OPERATOR OXY U.S.A. W.T.P., LP

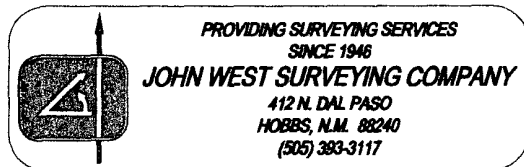
LEASE FULL RECOVERY



[illegible]

CONTOUR INTERVAL:
MALAGA, N.M. - 10'
BOND DRAW, N.M. - 10'

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



S

FEB 26 2008
OCD-ARTESIA

OXY Permian

EMERGENCY ACTION PLAN

**Malaga Area
Blame Thrower #1
Full Recovery #1
Lookin Up #1
P-Quake #1**

DRILLING/WORKOVER

DRILLING AND CRITICAL WELL OPERATIONS

**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.

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.
 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 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.

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.

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.

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 on-site.

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.
2. Determine wind direction, and evacuate upwind or at 90 degrees to the release.
3. Maintain a safe distance from the cloud.
4. Render first aid and call for an ambulance as necessary.
5. Attempt to warn approaching individuals of the hazard.

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:

- a. 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 taking call _____ Phone # call came on _____

FILL OUT COMPLETELY IMMEDIATELY AFTER BOMB THREAT

1. When is the bomb set to explode? _____
2. Where is the bomb located? _____
3. What does the bomb look like? _____
4. What type of bomb is it? _____
5. What will cause the bomb to explode? _____
6. Did the caller place the bomb? _____
7. Why did the caller place the bomb? _____
8. What is the caller's name and address? _____

Callers: Sex ___ Age ___ Race ___ Length of call _____

DESCRIPTION OF CALLER'S VOICE (Check all that apply)

<input type="checkbox"/> Calm	<input type="checkbox"/> Rapid	<input type="checkbox"/> Laughing	<input type="checkbox"/> Lisp	<input type="checkbox"/> Disguised
<input type="checkbox"/> Angry	<input type="checkbox"/> Crying	<input type="checkbox"/> Raspy	<input type="checkbox"/> Accent	<input type="checkbox"/> Familiar? Who did
<input type="checkbox"/> Excited	<input type="checkbox"/> Normal	<input type="checkbox"/> Deep	<input type="checkbox"/> Stutter	<input type="checkbox"/> it sound like?
<input type="checkbox"/> Slow	<input type="checkbox"/> Distinct	<input type="checkbox"/> Ragged	<input type="checkbox"/> Deep	<input type="checkbox"/> Deep Breathing
<input type="checkbox"/> Loud	<input type="checkbox"/> Slurred	<input type="checkbox"/> Nasal	<input type="checkbox"/> Clearing Throat	

BACKGROUND SOUNDS:

<input type="checkbox"/> Street	<input type="checkbox"/> House	<input type="checkbox"/> Factory	<input type="checkbox"/> Music	<input type="checkbox"/> Local Call
<input type="checkbox"/> Noises	<input type="checkbox"/> Noises	<input type="checkbox"/> Machinery	<input type="checkbox"/> Static	<input type="checkbox"/> Long Distance
<input type="checkbox"/> Voices	<input type="checkbox"/> Motor	<input type="checkbox"/> Animals	<input type="checkbox"/> PA System	<input type="checkbox"/> Phone Booth
<input type="checkbox"/> Office	<input type="checkbox"/> Clear	<input type="checkbox"/> Other		

THREAT LANGUAGE:

<input type="checkbox"/> Well-Spoken	<input type="checkbox"/> Foul	<input type="checkbox"/> Incoherent	<input type="checkbox"/> Irrational	<input type="checkbox"/> Taped
<input type="checkbox"/> Message Read by Threat Maker				

REMARKS:

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. Unsafe places 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 **NOT** 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

OXY Permian Incident Reporting Phone List**OXY Permian Crisis Team Hotline Notification****(713) 935-7210**

Person	Location	Office Phone	Cell/Mobile Phone
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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	(505) 887-8337	
NM-South Oper Coord-James Bruton	Seminole	(432) 385-2778	(432) 634-6152
Completion Specialist-Van Barton	Carlsbad	(505) 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	(505) 397-8251	(505) 390-4784
Frontier-New Mexico: Rick Kerby	Carlsbad	(505) 887-8337	(505) 631-4972
South-New Mexico-Tony Summers	Hobbs	(505) 397-8236	(505) 390-9228

Regulatory Affairs

Lead-Liz Bush-Ivie	Houston	(713) 366-5303	832-474-3701
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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	(505) 397-8251	(505) 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

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

Jim Garrett	Los Angeles	(310) 443-6588	(310) 710-3233
Greg LaSalle, alternate	Los Angeles	(310) 443-6542	(310) 710-2255

OSI

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-OXY Permian Ltd.: Danny Ross		(972) 728-3600 X252	(800) 349-8492
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Axiom Medical Consulting

Medical Case Management		(877) 502-9466	
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OXY Permian Legal

Tom Janiszewski	Houston	(713) 366-5529	(713) 560-8049
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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

Frank Zapalac	Houston	(713) 215-7157	(713) 829-5753
Hugh Moreno, alternate	Houston	(713) 215-7162	(713) 817-3322

Regulatory Agencies

Bureau of Land Management	Carlsbad, NM	(505) 887-6544	
Bureau of Land Management	Hobbs, NM	(505) 393-3612	
Bureau of Land Management	Roswell, NM	(505) 393-3612	
Bureau of Land Management	Santa Fe, NM	(505) 988-6030	
DOT Jurisdictional Pipelines-Incident Reporting New Mexico Public Regulation Commission	Santa Fe, NM	(505) 827-3549 (505) 490-2375	
DOT Jurisdictional 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	(505) 748-1283	
New Mexico Oil Conservation Division	Hobbs, NM	(505) 393-6161	
New Mexico Oil Conservation Division	Santa Fe, NM	(505) 471-1068 (505) 827-7152 (505) 476-3470	
New Mexico OCD Environmental Bureau	Santa Fe, NM	(505) 827-9329	
New Mexico Environmental Department	Hobbs, NM	(505) 827-9329	
NM State Emergency Response Center	Santa Fe, NM	(505) 827-9222	
Railroad Commission of TX	District 8, 8A Midland, 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	(505) 748-3333	
Guadalupe Medical Center	Carlsbad, NM	(505) 887-6633	
Lea Regional Hospital	Hobbs, NM	(505) 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	
Nor-Lea General Hospital	Lovington, NM	(505) 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	(505) 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	(505) 396-8600	(505) 399-2376

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

Andrews Cty Sheriff's Department	Andrews County	(432) 523-5545	
Eddy Cty Sheriff's Department	Eddy County (Artesia)	(505) 746-2704	
Eddy Cty Sheriff's Department	Eddy County (Carlsbad)	(505) 887-7551	
Gaines Cty Sheriff's Department	Gaines County (Seminole)	(432) 758-9871	
Lea Cty Sheriff's Department	Lea County (Eunice)	(505) 384-2020	
Lea Cty Sheriff's Department	Lea County (Hobbs)	(505) 393-2515	
Lea Cty Sheriff's Department	Lea County (Lovington)	(505) 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	(505) 746-2704	
Carlsbad City Police	Carlsbad, NM	(505) 885-2111	
Clayton City Police	Clayton, NM	(505) 374-2504	
Denver City Police	Denver City, TX	(806) 592-3516	
Eunice City Police	Eunice, NM	(505) 394-2112	
Hobbs City Police	Hobbs, NM	(505) 397-9265 (505) 393-2677	
Jal City Police	Jal, NM	(505) 395-2501	
Lovington City Police	Lovington, NM	(505) 396-2811	
Seminole City Police	Seminole, TX	(432) 758-9871	

Law Enforcement - FBI

FBI	Albuquerque, NM	(505) 224-2000	
FBI	Midland, TX	(432) 570-0255	

Law Enforcement - DPS

NM State Police	Artesia, NM	(505) 746-2704	
NM State Police	Carlsbad, NM	(505) 885-3137	
NM State Police	Eunice, NM	(505) 392-5588	
NM State Police	Hobbs, NM	(505) 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

Amistad/Rosebud	Amistad/Rosebud, NM	(505) 633-9113	
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Andrews	Andrews, TX	(432) 523-4820 (432) 523-3111	
Artesia	Artesia, NM	(505) 746-5051	
Carlsbad	Carlsbad, NM	(505) 885-3125	
Clayton	Clayton, NM	(505) 374-2435	
Denver City	Denver City, TX	(806) 592-5426	
Eunice	Eunice, NM	(505) 394-2111	
Hobbs	Hobbs, NM	(505) 397-9308	
Jal	Jal, NM	(505) 395-2221	
Kermit	Kermit, TX	(432) 586-3468	
Lovington	Lovington, NM	(505) 396-2359	
Maljamar	Maljamar, NM	(505) 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	(505) 746-2701	
Carlsbad Ambulance	Carlsbad, NM	(505) 885-2111; 911	
Clayton, NM	Clayton, NM	(505) 374-2501	
Denver City Ambulance	Denver City, TX	(806) 592-3516	
Eunice Ambulance	Eunice, NM	(505) 394-3258	
Hobbs, NM	Hobbs, NM	(505) 397-9308	
Jal, NM	Jal, NM	(505) 395-2501	
Lovington Ambulance	Lovington, NM	(505) 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

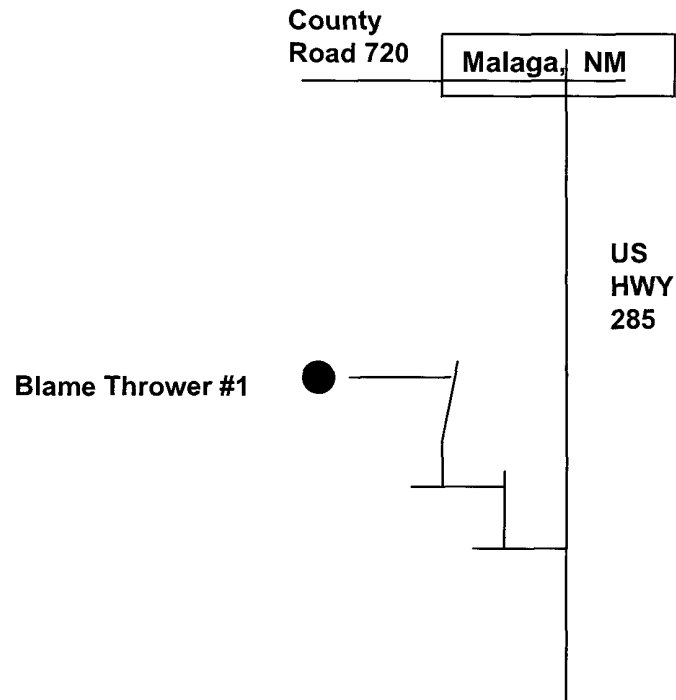
AEROCARE - Methodist Hospital	Lubbock, TX	(800) 627-2376	
San Angelo Med-Vac Air Ambulance	San Angelo, TX	(800) 277-4354	
Southwest Air Ambulance Service	Stanford, TX	(800) 242-6199	
Southwest MediVac	Snyder, TX	(800) 242-6199	
Southwest MediVac	Hobbs, NM	(800) 242-6199	
Odessa Care Star	Odessa, TX	(888)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

Blame Thrower #1

LAT. – 32.150086° N
LONG. – 104.1371392 ° W
Y = 418349.9
X = 560720.0



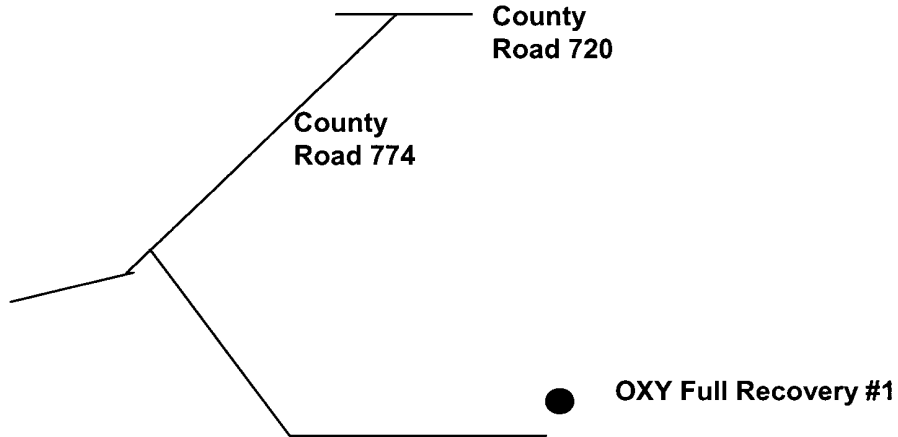
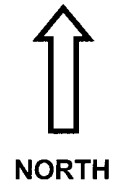
NORTH



DIRECTIONS TO LOCATION: Beginning in Malaga, NM at the intersection of CR 720 and US Highway 285 go south on US HWY 285 for approximately 7.2 miles, turn right on lease road and go west 1.8 miles, turn north for 1.0 miles, turn west for 1.3 miles, turn north for 0.4 miles, turn northeast 0.7 miles, turn west for 0.7 miles to proposed new road, go west for 0.5 miles to location.

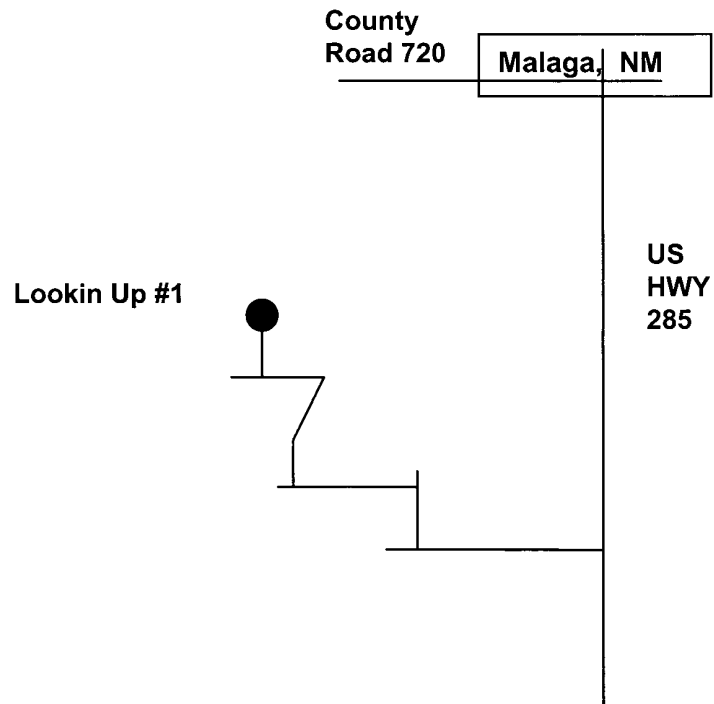
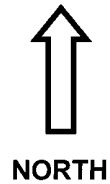
OXY Full Recovery #1

LAT. - 32°09'52.50"
LONG. - 104°07'11.57"W
Y = 423662.2 N
X = 566050.9 E



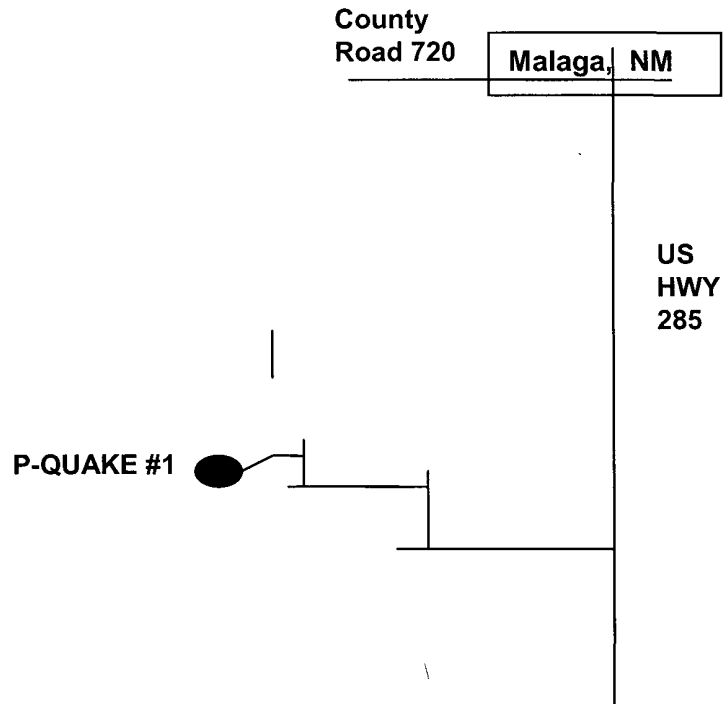
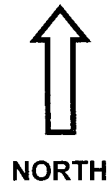
DIRECTIONS TO LOCATION: From the intersection of CR 720 and CR 774, go southwest on CR 774 for approximately 4.0 miles to a proposed road survey. Follow proposed road survey approx. 9132' southeast/east to this location.

Lookin Up #1
LAT. – 32.1567269° N
LONG. – 104.1286241 ° W
Y = 420798.7
X = 563350.7



DIRECTIONS TO LOCATION: Beginning in Malaga, NM at the intersection of CR 720 and US Highway 285 go south on US HWY 285 for approximately 7.2 miles, turn right on lease road and go west 1.8 miles, turn north for 1.0 miles, turn west for 1.3 miles, turn north for 0.4 miles, turn northeast 0.7 miles, turn west for 0.6 miles to proposed new road, go west for 0.5 miles to location.

P-QUAKE #1
LAT. – 32.1354053° N
LONG. – 104.1370783° W
Y = 413037.8
X = 560748.5



DIRECTIONS TO LOCATION: Beginning in Malaga, NM at the intersection of CR 720 and US Highway 285 go south on US HWY 285 for approximately 7.2 miles, turn right on lease road and go west 1.8 miles, turn north for 1.0 miles, turn west for 1.3 miles, turn north for 0.1 miles to proposed new road for , turn west along proposed new road for 0.4 miles, turn southwest for .0.3 miles to location.