REACTION-TYPE CONTINGENCY PLAN
FOR A
HYDROGEN SULFIDE GAS EMERGENCY
INVOLVING THE
OXY PERMIAN-HOBBS RMT OPERATIONS

OCCIDENTAL PERMIAN LTD.
HOBBS, NEW MEXICO
APRIL 21, 2003

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Hobbs RMT
H2S EMERGENCY REACTION-TYPE CONTINGENCY PLAN

Section I.

A. Purpose and Scope of Plan Coverage

The purpose of this plan is to provide for the logical, efficient and safe emergency response action to be taken by the Occidental Permian Hobbs Reservoir Management Team (Hobbs RMT). The protection of the general public and workers in the event of an accidental release of potentially hazardous quantity of Hydrogen Sulfide Gas (H_2S) from it operations is of the highest priority.

A reaction-type contingency plan is a pre-planned, written procedure for alerting and protecting the public, within an area of exposure, where it is impossible or impractical to brief in advance all of the public that might possibly be within the area of exposure at the moment of an accidental release of a potentially hazardous volume of hydrogen sulfide. It is intended that the senior emergency response official (e.g. Oxy Team Leader or his designee) will become the individual in charge of the Site specific Incident Command System (ICS). All emergency responders and their communication will be coordinated through the individual in charge of the ICS.

The Hobbs RMT is responsible for the operation of the Occidental Permian oil and gas leases located in southern Lea County, New Mexico. A significant portion of the facilities/wells operated by the Hobbs RMT are located within or near the proper city limits of the City of Hobbs, New Mexico

The operations consist of approximately 227 producing oil and gas wells, 5 Tank Batteries, 17 production satellites, 1 CO2 Recompression Facility, 3 Water Injection facilities and several thousand feet of underground pipeline injection or production gathering systems. The RMT has operated a secondary recovery waterflood program of the properties and has recently implemented a tertiary recovery program which will utilize carbon dioxide (CO2) flood as a means of additional recovery of oil and gas production. The projections through the year 2005 estimate that the CO2 flood will consist of 119 producing well and approximately 41 produced gas injection and 35 CO2 injection wells

The operational areas of the Hobbs RMT are divided into two areas, the North Hobbs and South Hobbs Units. A map of the RMT boundaries is included as Appendix A in Section IV of this plan

Sources of potentially hazardous volumes of H2S gas in the Hobbs RMT operations include:

- Oil and gas producing wells and associated flow lines
- Fluid gathering and handling facilities (satellites and batteries)
- Gas gathering systems (pipelines)
- Produced Gas Injection Compression Facility, it's distribution system and associated injection wells

Leaks from these sources could create an H_2S exposure area. Whether such exposure areas would be hazardous would depend upon their location and size. The calculations of the exposure potential, leak size is assumed to be the maximum possible from the particular system. This is generally and intentionally a conservative calculation because the vast majority of leaks will occur as small fraction of the system. These calculations are based on the escape rates as allowed by New Mexico Hydrogen Sulfide standard for existing and new operations. The H2S concentrations were determined using applicable ASTM or GPA standards or another method approved by the NMOCD. Radiuses of exposure were calculated using the Pasquill-Gifford derived equation as defined by the standard.

The calculated ROEs for the OXY facilities and wells are located in Section IV of this plan.

B. Hobbs RMT Key Contact Information

Physical Address: 1017 Stanolind Road, Hobbs, New Mexico
Office Telephone Number: 505-397-8200
Office Fax Number: 505-397-8204
24 Hour Answering Service: 505-397-8255
Mailing Address: 1017 Stanolind Road, Hobbs, New Mexico 88240
Key Contact - Plan Development and Maintenance: Steve Bishop 505-397-8251
Name of RMT Team Leader: Gary Bullock (office number 505-397-8203

C. Coordination with State Emergency Plans

Under certain conditions as provided for in the New Mexico Hazardous Materials Emergency Response Plan (HMER), the New Mexico State Police responding to the emergency may elect to assume the position of FIC or they may establish a Unified Command of which the OXY FIC may be a key member. Under the Unified Command scenario, the OXY FIC shall cooperate with the other involved emergency responders, such as the New Mexico State Police, local fire department, City Police, Sheriff's Office, NMOCD or other appropriate public emergency response agencies to manage the effective and safe response to the emergency situation.
The FIC's responsibility is to ensure control of the emergency incident. The Hobbs RMT FIC will notify or delegate notifications of all OXY Permian or contract personnel as well as the civil authorities needed for response to the situation. The OXY FIC will assign additional OXY personnel to support roles as needed. Upon notification or discovery of a potential emergency situation, the following steps should be taken by the OXY FIC or relief

1. Assume the role of Field Incident Commander (FIC) and attempt to gather as much information as possible as to the scope and severity of the situation.
2. Alert other emergency response personnel of the situation.
3. Arrange for back up personnel to be dispatched to the scene.

4. Proceed to the site to further assess the emergency response measures.
5. Establish an on-site mobile command station.
6. Implement the Emergency Action Plan as necessary.
7. Remain on site as FIC until relieved or the emergency is over.

See additional roles and responsibilities of the Field Incident Commander in the Section III Roles and Responsibilities of Emergency Response Personnel.

II. Emergency Procedures

A. Discovery and Implementation of Immediate Action Plan

Upon discovering or recognizing a potentially hazardous H2S release OXY employees should immediately implement the following immediate action plan:

a. Alert and account for facility personnel
   1. Move away from the source and get away from the affected area
   2. Don personal protective breathing equipment
   3. Alert other affected personnel
   4. Assist personnel in distress
   5. Proceed to the designated emergency assembly area
   6. Account for on-site personnel

b. Take immediate measures to control the presence of or potential H2S discharge and to eliminate possible ignition sources. Emergency shutdown procedures should be initiated as deemed necessary to correct or control the specific situation. When the required action cannot be accomplished in time to prevent exposing operating personnel or the public to hazardous concentration of H2S proceed to the following steps, as appropriate for the site specific conditions.

c. Alert the public (directly or through appropriate government agencies) that may be subjected to an atmosphere exceeding 30 ppm of H2S.

d. Initiate evacuation operations

e. Contact the first available designated supervisor on the call list. Notify the supervisor of the circumstances and whether or not immediate assistance is needed. The supervisor should notify (or arrange for notification of) other supervisors and other appropriate personnel (including public officials) on the call list.

f. Make recommendations to public officials regarding blocking unauthorized access to the unsafe area and assist as appropriate.

g. Make recommendations to public officials regarding the evacuating the public and assist as appropriate.

h. Notify, as required, state and local officials and the National Response Center to comply with release reporting requirements.

i. Monitor the ambient air in the area of exposure (after following abatement measures) to determine when it is safe for re-entry.

B. Initial Response

1. The OXY Permian employee (first responder) responding to or receiving notification of an emergency situation shall immediately proceed to the location and attempt to assess the situation and then notify the Team Leader or his relief.
   a. Provide the Team Leader with as much data possible concerning the location, the extent of emergency and need for additional assistance.
   b. Warn others in the area of situation, evacuate if necessary.
   c. Remain at site, at a safe distance, and available for communication. Wait for assistance to arrive before attempting to enter into any potentially hazardous area.
   d. Initiate rescue and first aid as situation dictates.

2. Upon notification of an emergency the Team Leader (or relief) shall:

   a. Notify other key RMT personnel and alert them to situation.
   b. The Team leader shall then proceed to the site to assess the situation.
   c. The Team leader shall determine if the emergency response plan is to be initiated.
   d. In the absence of the Team Leader (or relief) the OXY employee at the site shall determine whether or not to activate the Reaction-type emergency response plan and shall remain at the scene until relieved by another OXY employee or the Civil Authorities.

C. Activation Of Hydrogen Sulfide Contingency Plan

The hydrogen sulfide contingency plan shall be activated when the release creates a concentration of hydrogen sulfide of more than

- 100 ppm in any public area,
- 500 ppm at any public road
- or 100 ppm ROE is greater than 3000 feet from the site of the release

The Hobbs RMT Team Leader or designated relief will serve as the Field Incident Commander (FIC). It is the responsibility of the FIC to ensure control of the emergency response management system and if necessary to coordinate these efforts with any state or local emergency plans.

D. Evacuation of Public Areas

When the situation requires the evacuation of the public from areas which contain or could contain potentially hazardous volumes of H2S the information regarding the calculated radius of exposures (ROE) contained in Section IV shall be utilized. This information will assist in determining the areas of concern to a specific release site. Since a large portion of the Hobbs RMT operations are located within the city limits of Hobbs New Mexico, it is impossible or impractical to include a listing of all the locations of potentially affected public areas and public roads into this plan.

Therefore, this reaction –type contingency plan is the best means for allowing for the timely notification of the persons located in the potentially affected public areas or roads. ROEs have been calculated for well sites, tank batteries, satellite facilities, and production and gas gathering and injection distribution systems and are maintained and reviewed periodically to ensure accuracy. Information contained in this plan will them to readily determine the radius of exposures and with the assistance of emergency responders such as the fire department, local law enforcement and other public agencies and authorities will be able to respond in timely and effective manner consistent with the requirements of the New Mexico H2S standard.

E. Training and Drills

The value of training and drills in emergency response procedures can not be over emphasized. All OXY personnel identified in this plan shall be trained on the emergency response plan and procedures annually. The importance of each role of the emergency responders and the effects that each person has during an emergency will be stressed. In additional, the needs for emergency preparedness will emphasized through the use of drills and other exercise that simulate an emergency in which personnel perform or demonstrate their duties. These exercises will consist of table-top or classroom discussions or can be a realistic drill in which equipment is deployed, communications equipment is tested and "victims" are sent to the hospital with simulated injuries. Public officials will be informed and preferably involved in these exercises.

Review and critiques of the drills or exercises will be conducted after completed to identify any potential improvement opportunities for the plan.

The plan will be periodically reviewed and updated anytime its provisions or coverage change .

Documentation of the training, drills and reviews will be on file in the RMT files.

F. Physical Properties and Physiological Effects of Hydrogen Sulfide

Physical Data
Chemical Name: Hydrogen Sulfide
CAS Number: 7783-06-4
Synonyms: Sulfureted hydrogen, hydrosulfuric acid, dihydrogen sulfide
Chemical Family: Inorganic sulfide
Chemical Formula: H_2S
Normal Physical State: Colorless Gas, slightly heavier than air. Vapor Density (specific gravity) at 59°F (15° C) and 1 atmosphere = 1.189
Auto ignition Temperature: 500°F (260° C)
Boiling Point: -76.4°F (-60.2° C)
Melting Point: -117°F (-82.9° C)
Flammable Limits: 4.3 – 46 percent vapor by volume in air.
Solubility: Soluble in water and oil; solubility decreases as the fluid temperature increases.
Combustibility: Burns with a blue flame to produce Sulfur Dioxide (SO_2)
Odor and Warning Properties: Hydrogen Sulfide has an extremely unpleasant odor, characteristic of rotten eggs, and is easily detected at low concentrations, however, due to rapid onset of olfactory fatigue and paralysis (inability to smell) ODOR SHALL NOT BE USED AS A WARNING MEASURE

Exposure Limits
The American Conference of Governmental Industrial Hygienists (ACGIH) recommends a Threshold Limit Value (TLV) of 10 ppm (8-hour TWA) and a short term exposure limit (STEL) of 15 ppm averaged over 15 minutes. (Action Level) Exposure at the STEL should not be repeated more than 4 times a day with least 60 minutes between successive exposures in this range.

Physiological Effects
Inhalation at certain concentrations can lead to injury or death. The 300 ppm is considered by the ACGI as Immediately Dangerous to Life and Health (IDLH) Hydrogen Sulfide is an extremely toxic, flammable gas that may be encountered in the production of gas well gas, high-sulfur content crude oil, crude oil fractions, associated gas, and waters. Since hydrogen sulfide is heavier than air, it can collect in low places. It is colorless and has a foul, rotten egg odor. In low concentrations, H2S can be detected by its characteristic odor; however smell cannot be relied on to forewarn of dangerous concentrations because exposure to high concentrations (greater than 100 ppm) of the gas rapidly paralyzes the sense of smell due to paralysis of the olfactory nerve. A longer exposure to lower concentrations has a similar desensitizing effect on the sense of smell.
It should be well understood that the sense of smell will be rendered ineffective by hydrogen sulfide, which can result in the individual failing to recognize the presence of dangerously high concentrations.

Exposure to hydrogen sulfide causes death by poisoning the respiratory system at the cellular level. Symptoms from repeated exposure to low concentrations usually disappear after not being exposed for a period of time. Repeated exposure to low concentrations that do not produce effects initially may eventually lead to irritation if the exposures are frequent.

Respiratory Protection

Respiratory protection shall be worn above the action level.

G. Physical Properties and Physiological Effects of Sulfur Dioxide

Physical Data
Chemical Name: Sulfur Dioxide
CAS Number: 7446-09-05
Synonyms: Sulfurous acid anhydride, sulfurous oxide, sulfur oxide
Chemical Family: Inorganic
Chemical Formula: SO_2
Normal Physical State: Colorless Gas, slightly heavier than air.
Boiling Point: 148°F
Flammable Limits: Non-flammable (produced by burning hydrogen sulfide)
Solubility: Soluble in water and oil; solubility decreases as the fluid temperature increases.
Odor and Warning Properties: Sulfur Dioxide has a pungent odor associated with burning sulfur. It produces a suffocating effect and produces sulfurous acid on membranes of the nose and throat.

Exposure Limits
The American Conference of Governmental Industrial Hygienist recommends 2 ppm as an 8-hour TWA. Threshold Limit Value and the 5 ppm as a STEL, averaged over 15 minutes for sulfur dioxide.

Physiological Effects
Acute Toxicity: Inhalation at certain concentrations can lead to injury or death. 100 ppm is considered by the ACGIH as Immediately Dangerous to Life and Health.

Respiratory Protection
Respiratory protection shall be worn above the action level.

H. "Non-OXY" Emergencies

It is possible that an OXY employee could discover a potentially hazardous leak from a pipeline or other facility not operated by OXY. Also, leaks could be reported to OXY personnel but upon investigation, turn out to be from someone else's facility. In such instances, the OXY employee(s) involved should lend assistance without unduly endangering themselves. Generally, such assistance would include the following actions:

1. Alert and/or assist any person apparently in immediate danger.
2. Notify the appropriate Public Safety personnel of the location and nature of the emergency and assistance needed, if any.
3. Notify the Operator of the facility if the identity can be determined, see list of outside operators and pipeline in Section V of this plan.
4. Continue to lend assistance, such as manning road barricades, until relieved by employees of the Operator or Public Safety Personnel.

Section III

1. Roles and Responsibilities of Emergency Response Personnel

Following is a description of key personnel responsibilities for incident response.

a. **Team Leader:** Team Leader or designated relief will serve as the Field Incident Commander (FIC). Under certain conditions, the New Mexico State Police responding to the emergency may elect to assume the position of FIC or they may establish a Unified Command of which the OXY Team Leader may be a key member. The FIC's responsibility is to ensure control of the emergency incident. Team Leader will notify or delegate notifications of all OXY Permian or contract personnel as well as the civil authorities needed for response to the situation. Team Leader will assign additional OXY personnel to support roles as needed.

Note: The Field Incident Commander, or relief, remains on site until the emergency is over. The Field Incident Commander ensures repairs have been completed and ensures the operation has returned to normal, before releasing emergency team members.

b. **Field Incident Commander:** The initial priority for the Field Incident Commander (FIC) is to assess the size and scope of the incident scene. Such factors as the immediate level of danger to employees, contractors, and the general public should be high on the list of considerations. The following is an abbreviated list concerning the responsibilities and recommended sequence for the FIC to achieve his/her responsibilities.

1. Assess the size and scope of the incident scene.
2. Establish preliminary "hot and safe zones" based on the information available.
3. Set up a mobile command post at the scene of the incident.
4. Initiate any "municipal emergency response" requests as deemed appropriate.
5. Manage all aspects of the incident as OXY's FIC or as a key player in a Unified Command.
6. Communicate routinely with the OXY Crisis Team's Operations Manager in Houston.
7. FIC is responsible for assigning support roles as listed below.

c. **Operations and Planning Section Chief:** The Operations and Planning Section Chief (OPSC) plays an integral role in interfacing

with the various State and Local emergency responders in coordinating all response activities. This allows the FIC to focus on the incident and its big picture decisions.

1. Facilitate onsite responder personnel briefings and status updates.
2. Arrange for humanitarian assistance with the OXY Human Resources Manager if required by the scope of the incident with coordination from the FIC.
3. If requested, assist the local municipalities in a "search and rescue" operation categorized as a specialized employee under the OSHA HAZWOPER guidelines.
4. Perform all other response functions as requested by the FIC.

d. **Technical Specialist:** Technical Specialists, those individuals possessing critical skills, experience and knowledge in specific areas of OXY's or industry operations may be enlisted to assist in providing operational solutions for controlling releases in their areas of expertise. The Technical Specialist will function through the OPSC.

Examples of Technical Specialists include:

- Downhole Specialist
- Critical Well Control Specialist
- Drilling Specialist
- Construction Specialist
- Electrician
- Maintenance Specialist

e. **Facility Engineers:** Local Facility Engineers will function through the OPSC and assist in providing operational solutions to controlling the size and scope of an incident. The ability to identify process related equipment for isolation and routing for field sources often proves to be one of the biggest challenges during a crisis situation. The following tasks should receive the initial priority for responding Facility Engineers and operations personnel.

1. Identify source location and isolation equipment if available.
2. Provide detailed isolation instructions for responding personnel. Keep in mind the responders may or may not be OXY employees and may or may not have a good understanding of E&P operations.

3. Be prepared to provide the operational technical portion of update sessions with the onsite field response groups.

4. Begin the operational aspect of a facility recovery plan to first address operational needs to return to "normal" operating mode and second to complete long term considerations for site mitigation.

f. **Safety Officer**: The Safety Officer (SO) plays an integral part in assisting the FIC in managing the onsite issues surrounding an incident. Focused internally on the incident, the Safety Officer is constantly evaluating the safety and health issues involved with the incident and monitors pieces of the response process to allow the FIC to address "bigger picture" issues. The following is an abbreviated list of the responsibilities and recommended sequence for the SO to achieve his/her responsibilities.

1. Confirm the FIC's preliminary "hot and safe zones" are still applicable or adjust accordingly for such activities as staging areas, media crew locations, decontamination operations, etc.
2. Address Safety, Health, Environmental, and Regulatory issues including notifications.
3. If required, coordinate the development of a Site Safety and Health Plan or request this service from the OXY Crisis Team in Houston.
4. If required, develop an "incident mitigation or recovery plan" or request this service from the OXY Crisis Team in Houston.

Note: The SO must stay abreast of the incident status and situation in order provide relief as an alternate FIC if the situations dictates a change needs to be made.

g. **Logistics Section Chief:** The Logistics Section Chief (LSC) is responsible for assisting the FIC by arranging all aspects of field logistical support. The LSC must accommodate not only OXY responders but also municipal or other industrial responders as requested by the FIC or OPSC. Because there may be limited logistical support capabilities at the location, it is recommended the LSC rely heavily on the OXY Crisis Team Logistical Manager in Houston. The Logistical Manager's staff has multiple contracts and processes already in place to assist in such issues as food, lodging, vehicles, aircraft, etc. The following is an abbreviated list and recommended sequence to ensure the LSC is able to achieve his/her responsibilities.

1. Initiate both victim and emergency responder "personnel accountability systems" upon arrival to the incident scene.

2. Establish and maintain a communication tool between the FIC and the OXY Crisis Team Operations Manager in Houston.
3. Assist in media interactions and establish the "OXY Point of Contact" for media inquiries.
4. Initiate and maintain an incident documentation system to ensure all activities are captured and a summary report will be available.
5. Begin supplying logistical support to the incident scene, staging operations, and local areas as soon as practical
6. Coordinate site security capabilities with the FIC, OPCS, SO, and responding municipalities.

h. **Media Contact:** The designated Media Contact is assigned to the Logistics Section and will function through the LSC. The Media Contact will work very closely with the FIC, OPSC, and the OXY Public Affairs Representative located in Houston. Initial priorities for the Media Contact will include the following:
   1. Establish themselves as the onsite Media Contact for all media inquiries.
   2. Work with the Public Affairs to establish and distribute an initial press release as soon as feasible and with an announced time of when additional updates would be available.
   3. Either assist the FIC or personally conduct all initial media interviews until relieved by a member of the External Affairs group.
   4. Assist in all other functions of the Logistics Section as requested by the LSC or FIC.

i. **Other Employees**: All other personnel should stand by and wait for instructions from the FIC.
   Once accounted for, Hobbs RMT employees may be called upon by the LSC to provide logistical support in many different directions. These may include contacting vendors for supplies, contacting local company support groups for assistance to the general public, providing onsite logistical support to the responders "staging area" where others wait to assist in the actual response efforts, escorting vendors to remote locations as a guide, blocking roads, assisting with evacuations, etc.

   It should be understood however, <u>no employee or contractor</u> of the Hobbs RMT will be asked to provide incident scene support that they are not comfortable in their ability to perform or have not been specifically trained to do.

j. **Caprock Answering Service:** Upon notification of a possible emergency on Occidental Permian property, the answering service operator should ensure that he/she has all of the following information and proceed to call the OXY Technician on call and provide:

1. Name, phone number, and/or address of the person reporting emergency.
2. Location of emergency.
3. Concise statement of what is happening.
4. What type of emergency services are needed on location.

Section IV Appendices

Appendix A

Map Of Hobbs RMT Unit Boundaries

NORTH HOBBS UNIT
(OCCIDENTAL PERMIAN, LTD.)

South Hobbs Unit
(OCCIDENTAL PERMIAN, LTD.)

T 18 S

T 19 S

R 38 E

SURFACE FACILITIES - - -

- FACILITY AREA
- WSW WATER SOURCE WELL
- LACT BATTERY
- CTB CENTRAL TANK BATTERY
- STB SATELLITE BATTERY
- RH REMOTE HEADER
- WIS WATER INJECTION STATION
- WIH WATER INJECTION HEADER

FACILITY MAPS

FIELDS

PLANTS

Legend

- LOCATION
- DRY HOLE
- PRODUCER
- ABANDONED PRODUCER
- WATER INJECTOR
- ABANDONED WATER INJECTOR
- PROPOSED CONVERSION
- S.I. SHUT IN
- BOTTOM HOLE
- GAS PRODUCER
- ABANDONED GAS PRODUCER
- GAS INJECTOR
- ABANDONED GAS INJECTOR
- SWD SALT WATER DISPOSAL WELL

MAP PREPARED BY
PJE DRAFTING, INC.

NOTE:
THIS MAP IS NOT SURVEY ACCURATE

Occidental Permian Ltd.

NORTH & SOUTH HOBBS UNITS
Lea County, New Mexico

0' 500' 1000' 1500' 2000' 3000' 4000'
graphic scale

File # k52fnshm.dgn Revised 06-11-2002

LEVELS ON 1,2,3,4,5,6,25

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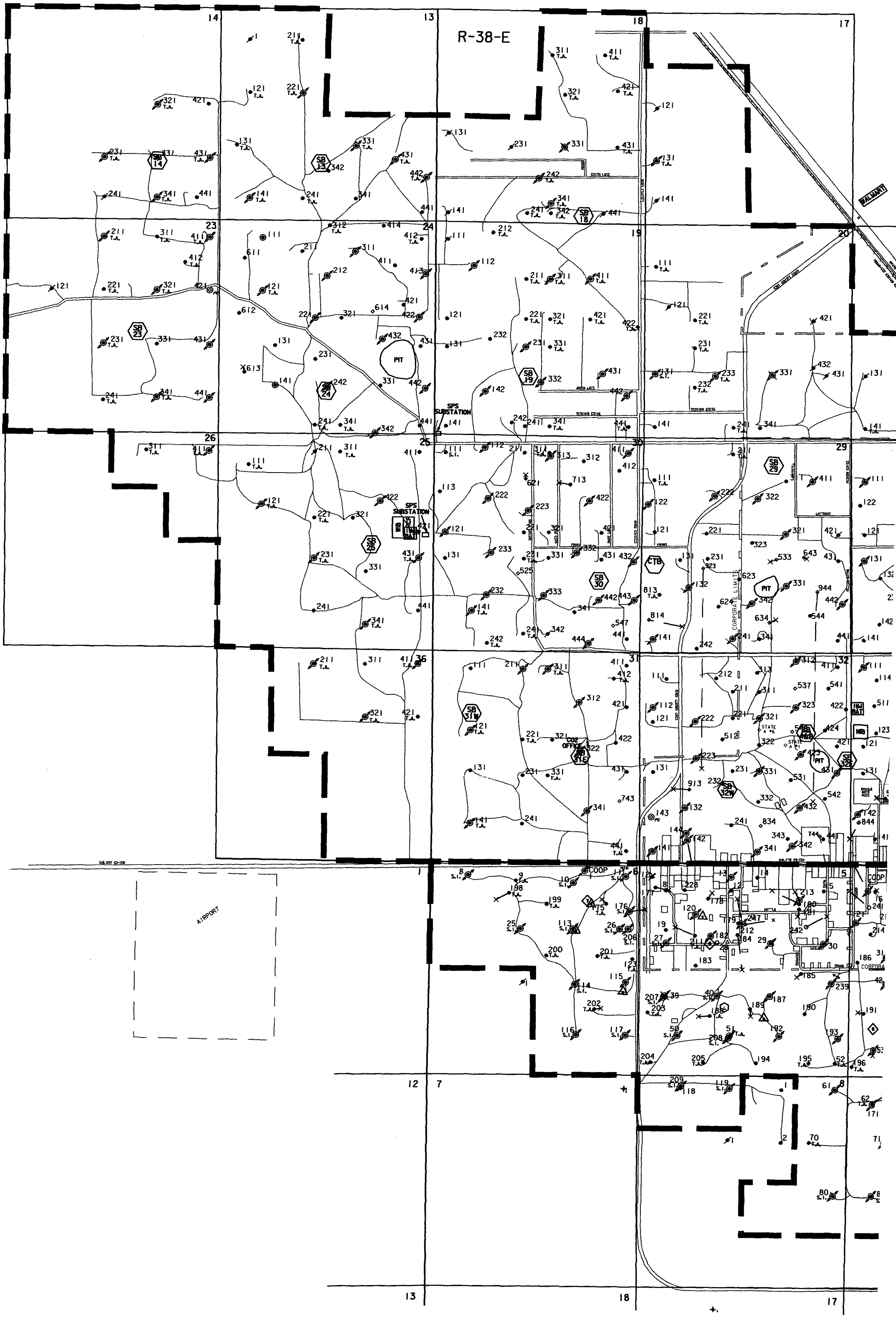
R-38-E
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12
7
18
17
WALMART
SPS SUBSTATION
SPS SUBSTATION
PIT
PIT
PIT
CTB
CORPORATE LIMITS
COOP
COOP
AIRPORT
SB 14
SB 13
SB 18
SB 23
SB 24
SB 19
SB 25
SB 30
SB 29
SB 31W
SB 31E
SB 32E
SB 32W
WB
EB
INJ BAT
NB
CO2 OFFICE

Appendix B

List of Hobbs RMT Facilities and 100 & 500 ppm ROE's

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
SHU Satellite 1	20282	47000	869	397
SHU Satellite 2	17995	57000	909	415
SHU Satellite 3	11590	57000	690	316
SHU Satellite 5	34190	29000	890	407
SHU Central Tank Battery	5338	137000	736	336
NHU Satellite 13	2287	57000	250	114
NHU Satellite 19	4270	69000	417	190
NHU Satellite 23 and 24	20588	56000	978	447
NHU Satellite 25	4880	56000	397	182
NHU Satellite 27	2481	69000	297	136
NHU Satellite 28	3569	57000	330	151
NHU Satellite 29	37241	36000	1075	491
NHU Satellite 30	40108	47000	1331	608
NHU Satellite 31E	5947	61000	474	217
NHU Satellite 32E	20892	51000	931	426
NHU Satellite 32W	32025	44000	1109	507
NHU Satellite 33	19825	63000	1029	470
NHU Central Tank Battery	6710	82000	616	281
NHU North Injection Battery	5642	117000	690	315
NHU West Injection Battery	Not currently operational			
NHU Recompression Facility	Not Currently Operational			
State B #6 and A #6	1647	9000	64	29
State HF ✓	5642	0	0	0
Turner Tr. 2	11895	0	0	0

Updated 04/08/2003

Appendix C

List of Hobbs RMT Low Pressure Producing Wells and 100 & 500 ppm ROE's

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU13341	0	5.7	57000	0	0
NHU14421	0	5.7	57000	0	0
NHU19121	1220	6.9	69000	190	87
NHU19131	488	5.6	56000	94	43
NHU19141	458	6.9	69000	103	47
NHU19232	1068	6.9	69000	175	80
NHU19241	458	6.9	69000	103	47
NHU19242	1128	6.9	69000	103	47
NHU20141	183	6.9	69000	181	83
NHU20341	122	3.6	36000	30	14
NHU23331	366	5.6	56000	79	36
NHU23421	885	5.6	56000	137	62
NHU23441	244	5.6	56000	61	28
NHU24131	732	5.6	56000	121	55
NHU24141	1617	5.6	56000	199	91
NHU24211	0	5.7	57000	0	0
NHU24231	4270	5.6	56000	366	167
NHU24331	4148	5.6	56000	359	164
NHU24411	0	5.7	57000	0	0
NHU24414	427	5.7	57000	87	40
NHU 24421	1251	5.6	56000	170	77
NHU 24431	1861	5.6	56000	217	99
NHU 24441	1678	5.6	56000	204	93
NHU 24611	2257	5.6	56000	245	112
NHU24614	793	5.6	56000	127	58
NHU25241	0	5.6	56000	0	0
NHU25331	0	5.6	56000	0	0
NHU25411	0	5.6	56000	0	0
NHU25421	122	5.6	56000	40	18
NHU25441	0	5.6	56000	0	0
NHU27121	183	6.9	69000	58	27
NHU27131	610	6.9	69000	123	56
NHU27141	61	6.9	69000	29	13
NHU27231	153	6.9	69000	52	24
NHU28121	336	5.7	57000	75	34
NHU28122	122	5.7	57000	40	18
NHU28132	549	5.7	57000	102	47
NHU28141	824	5.1	51000	123	56

Appendix C. continued

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU28142	214	5.7	57000	57	26
NHU28241	427	6.3	63000	93	43
NHU28243	427	5.7	57000	87	40
NHU28321	366	5.7	57000	79	36
NHU28331	305	6.3	63000	75	34
NHU28341	1066	6.3	63000	165	75
NHU28342	1891	6.3	63000	236	108
NHU28411	153	5.7	57000	46	21
NHU28431	1128	5.7	57000	161	73
NHU28644	519	6.9	69000	111	51
NHU29131	732	3.6	36000	92	42
NHU29221	549	3.6	36000	77	35
NHU29231	580	3.6	36000	79	36
NHU29242	1220	4.4	44000	144	66
NHU29311	1830	3.6	36000	163	75
NHU29323	1586	3.6	36000	149	68
NHU29341	366	4.4	44000	68	31
NHU29431	275	5.7	57000	66	30
NHU29441	1281	3.6	36000	131	60
NHU29533	854	3.6	36000	101	46
NHU29544	671	3.6	36000	87	40
NHU29623	15555	3.6	36000	623	284
NHU29624	1373	3.6	36000	136	62
NHU29634	275	3.6	36000	50	23
NHU29643	1037	3.6	36000	114	52
NHU30113	946	5.6	56000	142	65
NHU30131	0	5.6	56000	0	0
NHU30211	1525	6.9	69000	219	100
NHU30221	885	4.7	47000	122	56
NHU30231	18300	4.7	47000	814	372
NHU30312	1128	6.9	69000	181	83
NHU30321	183	4.7	47000	46	21
NHU30331	640	4.7	47000	100	46
NHU30341	122	4.7	47000	35	16
NHU30412	6893	3.6	36000	374	171
NHU30421	1495	4.7	47000	170	78
NHU30431	610	4.7	47000	97	44
NHU30441	732	4.7	47000	109	50
NHU30444	580	4.7	47000	94	43
NHU30621	1434	4.7	47000	165	76
NHU30713	427	4.7	47000	78	35
NHU31111	0	5.6	56000	0	0
NHU31131	0	6.1	61000	0	0
NHU31231	336	6.1	61000	79	36
NHU31411	915	4.7	47000	125	57
NHU31421	0	6.1	61000	0	0
NHU31422	336	6.1	61000	79	36

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU31431	0	6.1	61000	0	0
NHU32111	13786	4.7	47000	682	312
NHU32121	336	6.1	61000	79	36
NHU32131	305	6.1	61000	74	34
NHU32143	550	4.4	44000	87	40
NHU32211	122	4.4	44000	34	16
NHU32212	305	4.4	44000	60	28
NHU32221	11620	4.4	44000	588	269
NHU32231	8479	4.4	44000	483	221
NHU32232	244	4.4	44000	52	24
NHU32241	92	4.4	44000	28	13
NHU32312	824	5.1	51000	123	56
NHU32313	275	4.4	44000	56	26
NHU32322	0	4.4	44000	0	0
NHU32332	458	4.4	44000	78	36
NHU32343	214	4.4	44000	48	22
NHU32411	3904	4.7	47000	310	142
NHU32421	702	5.1	51000	111	51
NHU32422	6924	5.1	51000	467	213
NHU32424	640	5.1	51000	105	48
NHU32441	549	5.1	51000	96	44
NHU32512	580	4.4	44000	90	41
NHU32531	276	4.4	44000	57	26
NHU32541	854	5.1	51000	126	58
NHU32542	152	4.4	44000	39	18
NHU32834	122	4.4	44000	34	16
NHU32844	336	4.4	44000	64	29
NHU32913	305	4.4	44000	60	28
NHU33114	518	5.1	51000	92	42
NHU33121	671	5.1	51000	108	49
NHU33123	915	5.1	51000	131	60
NHU33131	946	5.1	51000	134	61
NHU33141	610	5.1	51000	102	47
NHU33213	1220	6.3	63000	180	82
NHU33233	976	6.3	63000	156	71
NHU33234	885	6.3	63000	147	67
NHU33241	732	6.3	63000	131	60
NHU33311	1342	6.3	63000	191	87
NHU33312	1068	6.3	63000	165	76
NHU33321	610	6.3	63000	116	53
NHU33323	1250	6.3	63000	182	83
NHU33331	640	6.3	63000	120	55
NHU33341	702	6.3	63000	127	58
NHU33411	549	6.3	63000	109	50
NHU33412	793	6.3	63000	137	63
NHU33421	610	6.3	63000	116	53
NHU33431	915	6.3	63000	150	69
NHU33433	824	6.3	63000	141	64

Appendix C continued					
Lease / Facility	**MCF/ Month**	**Mole % H2S**	**PPM H2S**	**ROE (ft) 100 PPM**	**ROE (ft) 500 PPM**
NHU33511	1464	5.1	51000	176	81
NHU33513	946	5.1	51000	134	61
NHU33521	1312	5.1	51000	165	75
NHU33523	1190	5.1	51000	155	71
NHU33524	732	6.3	63000	131	60
NHU33535	915	6.3	63000	150	69
NHU33545	1006	5.1	51000	140	64
NHU33734	702	6.3	63000	127	58
NHU33843	732	6.3	63000	131	60
NHU34211	366	6.9	69000	90	41
NHU34311	214	6.9	69000	64	29
NHU34341	366	6.9	69000	90	41
NHU36311	0	5.6	56000	0	0

Appendix C continued

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
SHU002	518	5.7	57000	99	45
SHU003	1189	5.7	57000	166	76
SHY004	945	5.7	57000	144	66
SHU005	915	5.7	57000	141	64
SHU006	427	5.7	57000	87	40
SHU007	427	5.7	57000	87	40
SHU014	640	4.3	43000	94	43
SHU015	183	5.7	57000	51	24
SHU016	3660	2.9	29000	220	100
SHU017	458	2.9	29000	60	27
SHU018	915	5.7	57000	141	64
SHU019	610	5.7	57000	109	50
SHU020	1068	5.7	57000	155	71
SHU021	1281	5.7	57000	174	80
SHU044	1982	5.7	57000	229	104
SHU046	1586	5.7	57000	199	91
SHU075	152	5.7	57000	46	21
SHU086	824	5.7	57000	132	60
SHU122	1494	5.7	57000	192	88
SHU124	458	2.9	29000	60	27
SHU130	549	2.9	29000	67	31
SHU131	641	2.9	29000	74	34
SHU132	610	5.7	57000	109	50
SHU133	580	5.7	57000	106	48
SHU136	549	2.9	29000	67	31
SHU137	762	5.7	57000	126	57
SHU138	610	5.7	57000	109	50
SHU140	122	5.7	57000	40	18
SHU141	61	2.9	29000	17	8
SHU142	427	5.7	57000	87	40
SHU145	580	5.7	57000	106	48
SHU148	396	5.7	57000	83	38
SHU150	458	5.7	57000	91	42
SHU156	122	5.7	57000	40	18
SHU157	824	5.7	57000	132	60
SHU158	549	5.7	57000	102	47
SHU162	762	5.7	57000	126	57
SHU177	580	4.3	43000	89	41
SHU178	549	4.3	43000	86	39
SHU179	518	4.3	43000	83	38
SHU180	213	5.7	57000	57	26
SHU181	183	5.7	57000	51	24
SHU183	2104	4.3	43000	199	91
SHU184	1342	4.3	43000	150	69
SHU185	213	5.7	57000	57	26
SHU186	213	5.7	57000	57	26
SHU189	762	4.3	43000	105	48

Appendix C cont.

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
SHU190	152	5.7	57000	46	21
SHU191	122	5.7	57000	40	18
SHU194	396	4.3	43000	70	32
SHU197	763	5.7	57000	126	57
SHU211	10675	4.3	43000	550	251
SHU214	885	2.9	29000	90	41
SHU220	458	2.9	29000	60	27
SHU221	732	2.9	29000	80	37
SHU222	915	5.7	57000	141	64
SHU224	854	5.7	57000	135	62
SHU225	763	5.7	57000	126	57
SHU228	3355	4.3	43000	266	122
SHU231	22875	2.9	29000	692	316
SHU232	792	5.7	57000	129	59
SHU234	458	2.9	29000	60	27
SHU236	1098	2.9	29000	104	47
SHU240	457	5.7	57000	91	42
SHU241	457	2.9	29000	60	27
SHU242	457	2.9	29000	60	27
SHU244	459	5.7	57000	92	42

Updated
04/08/2003

Appendix D

List of Hobbs RMT High Pressure Producing Wells and 100 & 500 ppm ROE's

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
There are currently no High Pressure Producing Wells in the Hobbs RMT Updated 4/8/03					

Appendix E

Proposed List of Hobbs RMT Produced Gas Injection Wells 100 & 500 ppm ROE's

(Actual injection into these wells has not commenced and will depend on flood response)

Lease / Facility	MCF/ Month	Mole % H2S	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
24-331					
30-223					
30-333					
30-442					
30-444					
30-536					

Section V Emergency Telephone Lists

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Appendix

OXY PERMIAN HOTLINE	713-935-7210
CAPROCK ANSWERING SERVICE	505-397-8255
HOBBS OFFICE INTERCOM	56

HOBBS FLOOD MANAGEMENT TEAM
EMERGENCY TELEPHONE LIST

TEAM LEADERS AND ALTERNATES

Gary Bullock Team Leader	Office SOCON Mobile Cellular Phone Home Radio Call Pager	505-397-8203 8-748-2203 505-397-8271-1059 505-390-9144 915-697-2749 159 877-339-1954-1004
David Nelson 1st Alternate	Office Socon Mobile Cellular Phone Pager Home Radio Call	505-397-8211 8-748-2211 505-397-8271-1026 505-631-5309 877-339-1954-1037 505-392-9236 126
Robert Gilbert 2nd Alternate	Office Socon Mobile Cellular Phone Pager Home Radio Call	505-397-8206 8-748-2206 505-397-8271-1372 505-390-4704 877-339-1954-1038 505-392-5120 172

Appendix

HOBBS RESERVOIR MANAGEMENT TEAM EMERGENCY TELEPHONE LIST

HES SUPPORT PERSONNEL

Steve Bishop **HES Technician**	**Office** **SOCON** **Cellular Phone** **Pager** **Home**	**505-397-8251** **8-748-2251** **505-390-4784** **877-339-1954-1118** **505-392-7428**
Tom Scott **HES Specialist**	**Office** **Cellular Phone** **Pager** **Home**	**432-685-5677** **432-894-1962** **432-498-1312** **432-684-8170**

OXY PERMIAN HOUSTON OFFICE

Harry Hufft **Asset Manager**	**Office** **Cellular Phone** **Home**	**281-552-1022** **713-560-8071** **281-304-0994**
Greg Hardin **HES Team Leader**	**Office** **Cellular Phone** **Pager** **Home**	**281-552-1324** **713-560-8037** **713-612-8864** **281-343-8452**
Rusty Barnett **HES Specialist**	**Office** **Cellular Phone** **Pager** **Home**	**281-552-1325** **713-560-8031** **888-902-0437** **281-550-3946**
Trent Adcock **HES Specialist**	**Office** **Cellular Phone** **Home**	**281-552-1327** **713-819-0566** **281-395-5140**

Appendix

EMERGENCY SERVICES
OUTSIDE SUPPORT PHONE NUMBERS

MEDICAL

HOSPITAL NAME	ADDRESS	CITY	PHONE NUMBER
Lea Regional Hospital	5419 Lovington Highway	Hobbs, NM	505-492-5000
Covenant Health Care Center (Dr. Hood)	2410 N. Fowler	Hobbs, NM	505-392-5571 8:00-5:00 M-F
Memorial Hospital	209 NW 8th	Seminole, TX	915-758-5811
Nor-Lea General Hospital	1600 N. Main Street	Lovington, NM	505-396-6611
Yoakum County Hospital	412 Mustang Drive	Denver City, TX	806-592-5484
Brownfield Regional Medical Center	705 E. Felt	Brownfield, TX	806-637-3551
Covenant Health Systems	4000 24th Street	Lubbock, TX	806-725-6000
Covenant Medical Center	2615 19th Street	Lubbock, TX	806-725-1011
University Medical Center	602 Indiana	Lubbock, TX	806-743-3111

AMBULANCE

Hobbs, New Mexico	911 or 505-397-9308
Lovington, New Mexico	911 or 505-396-2811
Eunice, New Mexico	911
Seminole, Texas	915-758-9871
Denver City, Texas	911 or 806-592-3516

AIR AMBULANCE

AEROCARE Methodist Hospital Lubbock, Texas - Aerocare will respond to a call from any OXY personnel. *ETA Lubbock to Hobbs 42 minutes.*	1-800-627-2376

Appendix

PHYSICIANS

DOCTOR	CITY	PHONE NUMBER
Dr. Steve E. Hood	Hobbs, New Mexico	505-392-5571
Dr. Bodindr Thepchatri	Denver City, Texas	806-592-3591
Dr. Carl Smith	Brownfield, Texas	806-637-2558
Dr. Morris Knox	Brownfield, Texas	806-637-2566
Dr. William Croom	Lubbock, Texas	806-799-4999

LAW ENFORCEMENT 911

POLICE

CITY	PHONE NUMBER
Hobbs, New Mexico	911 or 505-397-9265
Eunice, New Mexico	911 or 505-394-2112
Lovington, New Mexico	911 or 505-396-2811

SHERIFF

CITY/COUNTY	PHONE NUMBER
Lea County Sheriff - Hobbs	505-393-2515
Lea County Sheriff - Lovington	505-396-3611

STATE HIGHWAY PATROL

CITY	PHONE NUMBER
Hobbs, New Mexico	505-392-5588

FIRE DEPARTMENT

CITY	PHONE NUMBER
Hobbs, New Mexico	911 or 505-397-9308
Lovington, New Mexico	911
Denver City, Texas	911 or 806-592-3516
Seminole, Texas	911 or 915-758-9871

Appendix

GOVERNMENT AGENCIES

AGENCY	PHONE NUMBER
New Mexico Oil Conservation Division	505-393-6161
Bureau of Land Management	505-393-3612
Air Quality Bureau, Santa Fe, NM	505-827-1494
LEPC - David Hooten	505-397-9231

AIRPORTS

CITY	PHONE NO.
Lea County Airport - Carlsbad Hwy	505-393-4943
Lea County Lovington Airport	505-396-9911
Lubbock International Airport	806-762-6411
Midland International Airport	915-563-2033

POISON CONTROL CENTER	1-800-432-6866

CHEMTREC**	1-800-424-9300

** Call CHEMTREC for questions concerning response or chemical hazards in the event of a chemical spill.

NALCO/EXXON 24 HR EMERGENCY	1-800-462-5378 or 1-800-IM-ALERT

NALCO/EXXON 24 HR MSDS FAX	281-263-7245

Appendix

HOBBS RMT OPERATIONAL PERSONNEL

EMPLOYEE	Pager or Cellular Phone	HOME PHONE NUMBERS
Gilbert, Robert	877-339-1954-1038 (P)	505-392-5120
Horne, Mike	505-390-5326 (C)	505- 397-4039
Hubbard, Glen	505-631-6881 (C)	505-392-7663
King, Jimmy	505-390-0068 (C)	505-392-8854
Ragsdale, Monty	505-397-1478-056 (P)	505-392-1740
Shipman, Robert	505-390-2071 (C)	505-392-4135
Summers, Tony	505-390-9228 (C)	505-396-2955
Whitley, Chuck	505-397-1478-309 (P)	505-397-0018

Appendix

CORPORATE SECURITY

Security Representative		
Frank Zapalac**	**Office**	**713-215-7157**
	Home	**281-681-0559**
	Cell/Pager	**713-898-6099**
	Fax	**713-215-7538**
Alternate		
Hugo Moreno	**Office**	**713-215-7162**
	Home	**281-778-8111**
	Cell/pager	**713-817-3322**
	Fax	**713-215-7538**

****Must be notified to assist in providing site security for all major emergencies and spills or response for any bomb threats or terrorist activities.**

GREENWAY EMERGENCY OPERATION CENTER (EOC)

(713) 366-EXTENSION

5091	**Fax**
5095	**Receptionist**
5590	**EOC Coordinator**
5790	**HES Manager**
5791	**Incident Manager**
5792	**HR Manager**
5793	**Planning Manager**
5794	**Operations Manager**
5795	**Logistics Manager**

Appendix

CONTRACTOR SUPPORT

ELECTRIC SERVICE COMPANIES

COMPANY NAME	PHONE NUMBER(S)
Custom Submersibles	505-397-0271 24 hour 505-393-2146
Dixie Electric – Hobbs, NM	505-939-4466 24 hour
K & S Electric - Hobbs, NM	505-393-3114 24 hour

WATER SERVICE AND VACUUM TRUCKS

Key Energy Services – Hobbs , NM	505-397-4994 24 hour
Maclaskey Oilfield Services Hobbs, NM	505-393-1016 24 hour

ROUSTABOUT CREWS

Key Energy Services – Hobbs, NM	505-391-7725 24 hour
Banta Oilfield Service – Hobbs, NM	505-393-3875 24 hour

DIRT WORK EQUIPMENT

Key Energy Services – Hobbs, NM	505-391-7725 24 hour
B & H Construction – Eunice, NM	505-394-2588 24 hour

WELDERS

Custom Welding - Hobbs, NM	505-393-5904 24 hour

SAFETY EQUIPMENT

Callaway Safety Equipment – Hobbs, NM	505-392-2973 24 hour

Appendix

OUTSIDE PRODUCING COMPANIES

Amerada Hess	Office Phone After Hours	393-2144 or 393-2145 393-2144
Apache Corp	Office Phone Emergency Number Answering Service	505-394-2743 1-888-561-5516 1-888-257-6840
Bruton, Ralph	Business Phone	505-390-0366
Brothers	24 Hours	505-369-9135
Chevron	Office Phone After Hours	393-4121 393-4121
Conoco	Office Phone	393-0130 24 hour
Dynegy	Office Phone Fax Phone Pager Randy Duncan (C) Floyd Evans (C)	505-393-2823 505-393-4780 505-370-6262 505-631-7065 505-631-7074
Duke (Old GPM)	Office Phone After Hours	505-397-5600 505-393-4165
Equilon	Office Phone After Hours Rodney	806-592-9402 806-893-8611 806-893-8612
Marathon	Office Phone	393-7106 24 hour
Navajo Pipeline	Office Phone After Hours Midland Off	393-2441 915-685-9510
Phillips Pipeline	Office Phone CO2 Plan	505-396-7955 505-396-7923
Saga Petroleum	Office – Ans. Machine Ronny Long or Ronny Long	505-391-9291 915-524-3822 915-638-6476
Texland Petroleum	Office Phone After Hours	505-397-7450 806-894-4316

Oxy Permian, LTD.
H2S Radius of Exposure
Hobbs RMT

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU13341	0	57000	0	0
NHU14421	0	57000	0	0
NHU19121	1220	69000	190	87
NHU19131	488	56000	94	43
NHU19141	458	69000	103	47
NHU19232	1068	69000	175	80
NHU19241	458	69000	103	47
NHU19242	1128	69000	103	47
NHU20141	183	69000	181	83
NHU20341	122	36000	30	14
NHU23331	366	56000	79	36
NHU23421	885	56000	137	62
NHU23441	244	56000	61	28
NHU24131	732	56000	121	55
NHU24141	1617	56000	199	91
NHU24211	0	57000	0	0
NHU24231	4270	56000	366	167
NHU24331	4148	56000	359	164
NHU24411	0	57000	0	0
NHU24414	427	57000	87	40
NHU 24421	1251	56000	170	77
NHU 24431	1861	56000	217	99
NHU 24441	1678	56000	204	93
NHU 24611	2257	56000	245	112
NHU24614	793	56000	127	58
NHU25241	0	56000	0	0
NHU25331	0	56000	0	0
NHU25411	0	56000	0	0
NHU25421	122	56000	40	18
NHU25441	0	56000	0	0
NHU27121	183	69000	58	27
NHU27131	610	69000	123	56
NHU27141	61	69000	29	13
NHU27231	153	69000	52	24
NHU28121	336	57000	75	34
NHU28122	122	57000	40	18
NHU28132	549	57000	102	47
NHU28141	824	51000	123	56
NHU28142	214	57000	57	26
NHU28241	427	63000	93	43
NHU28243	427	57000	87	40
NHU28321	366	57000	79	36
NHU28331	305	63000	75	34
NHU28341	1066	63000	165	75
NHU28342	1891	63000	236	108
NHU28411	153	57000	46	21
NHU28431	1128	57000	161	73

Oxy Permian, LTD.
H2S Radius of Exposure
Hobbs RMT

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU28644	519	69000	111	51
NHU29131	732	36000	92	42
NHU29221	549	36000	77	35
NHU29231	580	36000	79	36
NHU29242	1220	44000	144	66
NHU29311	1830	36000	163	75
NHU29323	1586	36000	149	68
NHU29341	366	44000	68	31
NHU29431	275	57000	66	30
NHU29441	1281	36000	131	60
NHU29533	854	36000	101	46
NHU24539	1372	36000	136	62
NHU29544	671	36000	87	40
NHU24549	946	36000	108	49
NHU29623	15555	36000	623	284
NHU29624	1373	36000	136	62
NHU29634	275	36000	50	23
NHU29643	1037	36000	114	52
NHU29814	NC	47000	#VALUE!	#VALUE!
NHU30113	946	56000	142	65
NHU30131	0	56000	0	0
NHU30211	1525	69000	219	100
NHU30221	885	47000	122	56
NHU30231	18300	47000	814	372
NHU30312	1128	69000	181	83
NHU30321	183	47000	46	21
NHU30331	640	47000	100	46
NHU30341	122	47000	35	16
NHU30412	6893	36000	374	171
NHU30421	1495	47000	170	78
NHU30431	610	47000	97	44
NHU30441	732	47000	109	50
NHU30444	580	47000	94	43
NHU30525	NC	47000	#VALUE!	#VALUE!
NHU30527	NC	47000	#VALUE!	#VALUE!
NHU30547	5472	47000	383	175
NHU30621	1434	47000	165	76
NHU30713	427	47000	78	35
NHU31111	0	56000	0	0
NHU31131	0	61000	0	0
NHU31231	336	61000	79	36
NHU31321	0	61000	0	0
NHU31411	915	47000	125	57
NHU31421	0	61000	0	0
NHU31422	336	61000	79	36
NHU31431	0	61000	0	0
NHU32111	13786	47000	682	312
NHU32121	336	61000	79	36

Oxy Permian, LTD.
H2S Radius of Exposure
Hobbs RMT

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU32131	305	61000	74	34
NHU32143	550	44000	87	40
NHU32211	122	44000	34	16
NHU32212	305	44000	60	28
NHU32221	11620	44000	588	269
NHU32231	8479	44000	483	221
NHU32232	244	44000	52	24
NHU32241	92	44000	28	13
NHU32312	824	51000	123	56
NHU32313	275	44000	56	26
NHU32322	0	44000	0	0
NHU32332	458	44000	78	36
NHU32343	214	44000	48	22
NHU32411	3904	47000	310	142
NHU32421	702	51000	111	51
NHU32422	6924	51000	467	213
NHU32424	640	51000	105	48
NHU32441	549	51000	96	44
NHU32512	580	44000	90	41
NHU32514	NC	61000	#VALUE!	#VALUE!
NHU32531	276	44000	57	26
NHU32537	NC	44000	#VALUE!	#VALUE!
NHU32541	854	51000	126	58
NHU32542	152	44000	39	18
NHU32548	671	51000	108	49
NHU32834	122	44000	34	16
NHU32844	336	44000	64	29
NHU32913	305	44000	60	28
NHU33114	518	51000	92	42
NHU33121	671	51000	108	49
NHU33123	915	51000	131	60
NHU33131	946	51000	134	61
NHU33141	610	51000	102	47
NHU33213	1220	63000	180	82
NHU33233	976	63000	156	71
NHU33234	885	63000	147	67
NHU33241	732	63000	131	60
NHU33311	1342	63000	191	87
NHU33312	1068	63000	165	76
NHU33321	610	63000	116	53
NHU33323	1250	63000	182	83
NHU33331	640	63000	120	55
NHU33341	702	63000	127	58
NHU33411	549	63000	109	50
NHU33412	793	63000	137	63
NHU33421	610	63000	116	53
NHU33431	915	63000	150	69
NHU33433	824	63000	141	64

Oxy Permian, LTD.
H2S Radius of Exposure
Hobbs RMT

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
NHU33511	1464	51000	176	81
NHU33513	946	51000	134	61
NHU33521	1312	51000	165	75
NHU33523	1190	51000	155	71
NHU33524	732	63000	131	60
NHU33535	915	63000	150	69
NHU33545	1006	51000	140	64
NHU33734	702	63000	127	58
NHU33843	732	63000	131	60
NHU34211	366	69000	90	41
NHU34311	214	69000	64	29
NHU34341	366	69000	90	41
NHU36311	0	56000	0	0

Oxy Permian, LTD.
H2S Radius of Exposure
Hobbs RMT

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
SHU002	518	57000	99	45
SHU003	1189	57000	166	76
SHY004	945	57000	144	66
SHU005	915	57000	141	64
SHU006	427	57000	87	40
SHU007	427	57000	87	40
SHU014	640	43000	94	43
SHU015	183	57000	51	24
SHU016	3660	29000	220	100
SHU017	458	29000	60	27
SHU018	915	57000	141	64
SHU019	610	57000	109	50
SHU020	1068	57000	155	71
SHU021	1281	57000	174	80
SHU044	1982	57000	229	104
SHU046	1586	57000	199	91
SHU075	152	57000	46	21
SHU086	824	57000	132	60
SHU122	1494	57000	192	88
SHU124	458	29000	60	27
SHU130	549	29000	67	31
SHU131	641	29000	74	34
SHU132	610	57000	109	50
SHU133	580	57000	106	48
SHU135	1983	29000	150	68
SHU136	549	29000	67	31
SHU137	762	57000	126	57
SHU138	610	57000	109	50
SHU140	122	57000	40	18
SHU141	61	29000	17	8
SHU142	427	57000	87	40
SHU145	580	57000	106	48
SHU148	396	57000	83	38
SHU150	458	57000	91	42
SHU156	122	57000	40	18
SHU157	824	57000	132	60
SHU158	549	57000	102	47
SHU162	762	57000	126	57
SHU177	580	43000	89	41
SHU178	549	43000	86	39
SHU179	518	43000	83	38
SHU180	213	57000	57	26
SHU181	183	57000	51	24
SHU183	2104	43000	199	91
SHU184	1342	43000	150	69
SHU185	213	57000	57	26
SHU186	213	57000	57	26
SHU189	762	43000	105	48

Oxy Permian, LTD.
H2S Radius of Exposure
Hobbs RMT

Lease / Facility	MCF/ Month	PPM H2S	ROE (ft) 100 PPM	ROE (ft) 500 PPM
SHU190	152	57000	46	21
SHU191	122	57000	40	18
SHU194	396	43000	70	32
SHU197	763	57000	126	57
SHU211	10675	43000	550	251
SHU214	885	29000	90	41
SHU220	458	29000	60	27
SHU221	732	29000	80	37
SHU222	915	57000	141	64
SHU224	854	57000	135	62
SHU225	763	57000	126	57
SHU228	3355	43000	266	122
SHU231	22875	29000	692	316
SHU232	792	57000	129	59
SHU234	458	29000	60	27
SHU236	1098	29000	104	47
SHU240	457	57000	91	42
SHU241	457	29000	60	27
SHU242	457	29000	60	27
SHU244	459	57000	92	42
NC = Not Completed				
Updated				
05/28/2003				