State of New Mexico Energy Minerals and Natural Resources

Form C-101 March 4, 2004

1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVEDmit to appropriate District Office

State Lease - 6 Copies

FEB 0 2 2005

Fee Lease - 5 Copies

ta Fe, NM 87505 OCU-ANTESIA AMENDED REPORT

APPL	ICATI	ON FOR	R PERMIT	TO DRILI	., RE-EN	TER, DE	<u>CEPE</u>	N, PLUGBA	CK, O	R AD	D A ZONE
Operator Name and Address Pogo Producing Company								² OGRID Number		7891	
P.O. Box 10340								³ API Number	01		\ 7 /
³ Property	Midl	and, IX	79702-73 Property		-			30- 01	> - ⁶ Well N		136
³ Property Code					14"						3
				⁷ S	urface Loc	cation			·		
UL or lot no.	Section 14	Township 19S	Range 26E	Lot Idn	Feet from the 1980 !			Feet from the 660 !	East/We West	st line	County Eddy
			⁸ Proposed I	Bottom Hol	e Location	If Differ	ent Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/So	outh line	Feet from the	East/We	st line	County
⁹ Proposed Poo	11	() ()	Car U	pper Pe	nn C	10 Propo	sed Pool	2			
				ling Pit Loc		Other In	format	ion			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/S	outh line	Feet from the	East/We	st line	County
Ŀ	14	195	26E/		1980'	Sou	th	660'	Wes		Eddy
Depth to ground water	+8	0' /8	Hoents	Distance from nea fresh water well	rest 1 mi	1e		Distance from neares surface water	Lake mile	McM:	illan 2.5 Southeast
Work Type Co	ork Type Code 12 Well Type Code 13 Cable/Rotary					14 Lease	Type Code 15 Gi		Ground Level Elevation 3301		
16 Multiple NO		17 Proj	posed Depth 8000 '		mation SCO		19 Contra	ctor NOWN		pud Date	oproved
			21]	Proposed C		Cement I				icii u	opioveu j
Hole Si	ze	Casi	ng Size	Casing weigh	t/foot	Setting De	pth	Sacks of Ce	ment		Estimated TOC
25"		20"				40		Redi-mi	X	Sur	face
17-1/2	11	13-3/3				500		550		Circ	culate
11"		8-5/8		24		1050		1000		Circ	culate
7-7/8"		5-1/2	•	15,5 & 17		8000		1400		Tie Back	
Describe the b	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 Attached.										
					1						
best of my kno constructed a	wledge an ccording t	d belief. I fur o NMOCD (given above is trucker certify that guidelines	the drilling pit	will be	OIL CONSERVATION DIVISION					ON
an (attached)	alternativ	e OCD-appi	roved plan ∐.		Ap	proved by:		,			
Signature: Cathy Ulright					TIM W. GUM					41000	
Printed name:	Cat	hy Wrig	ht		Titl	le:		DISTRICT			
Title:	Sr	Eng Tec	h		App	proval Date	ER (8 2005 B	xpiration I	Date: EE	3 0 8 2005
E-mail Addres	s: Wri	ghtc@po	goproducin	g.com				: LUUJ			
Date: 02/01/05 Phone: 432-685-8100 Conditions of Approval: Attached □											

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

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

DISTRICT IV

DISTRICT III

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

1220 S. ST. PRANCIS DR., SANTA FE, NM 87	WELL LOCATION AN.	D ACKEAGE DEDICATION I LAT	☐ AMENDED REPORT		
API Number	Pool Code	Pool Code Pool Name UNDES FOUR MILE DRAW-CISCO			
Property Code		Property Name KEWOOD 14	Well Number 3		
0GRID No. 17891		Decrator Name DUCING COMPANY	Elevation 3301'		

Surface Location

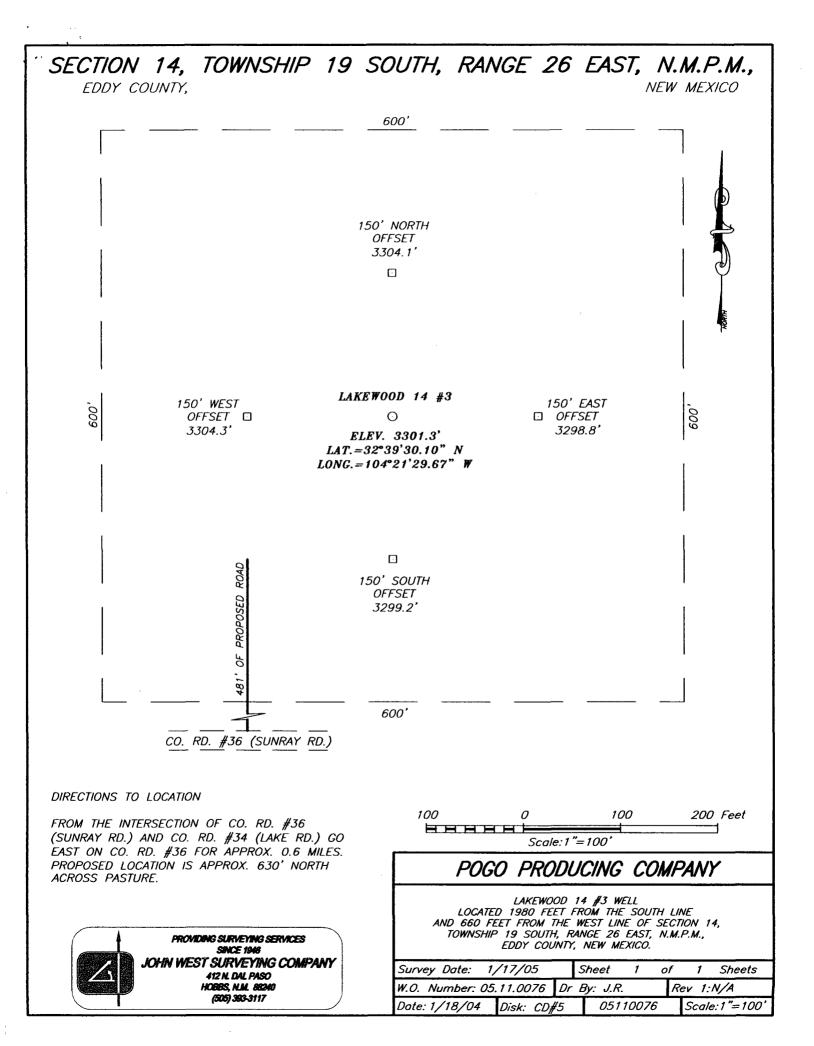
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L.	14	19-S	26-E		1980	SOUTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

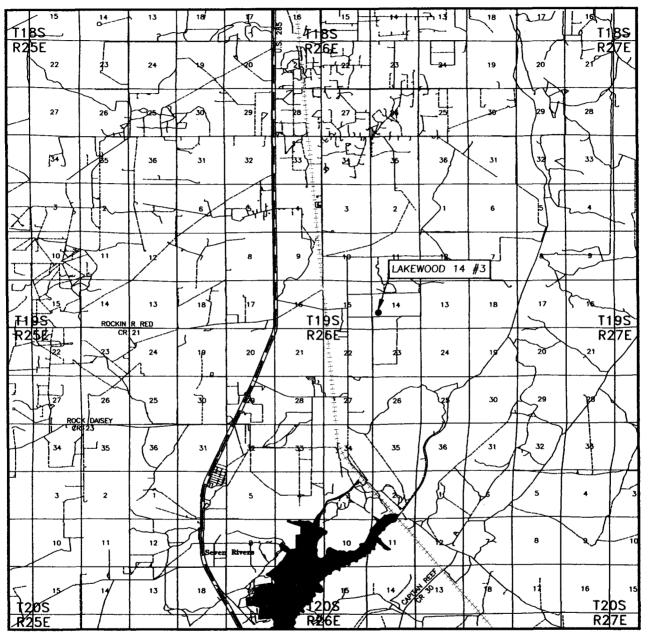
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill	Consolidation (Code Or	der No.			1	·

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

GEODETIC COORDINATES NAD 27 NME Y=603223.6 N X=492334.6 E LAT.=32*39'30.10" N LONG.=104*21'29.67" W OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
Joe T. Janica Printed Name Agent Title 01/21/05 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 supervisor, and that the same is true and correct to the best of my belief. JANUARY 17, 2005 Date Surveyed JR Signature & Shalfor Market Sh

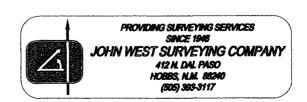


VICINITY MAP



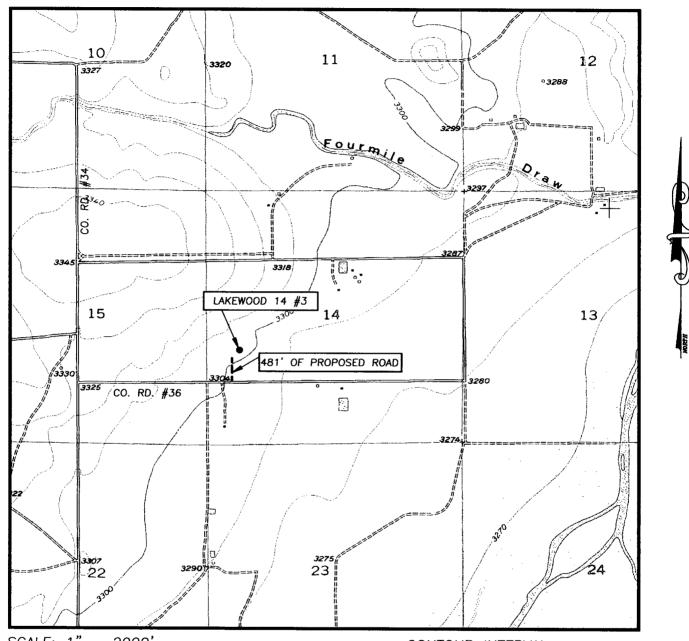
SCALE: 1" = 2 MILES

SEC. 14 1	WP. <u>19-5</u> RGE	. <u>26-E</u>
SURVEY	N.M.P.M.	
COUNTY	EDDY	
DESCRIPTION	1980' FSL &	660' FWL
ELEVATION	3301	
OPERATOR	POGO PRODUCING C	OMPANY
I FASE	LAKEWOOD :	14





LOCATION VERIFICATION MAP



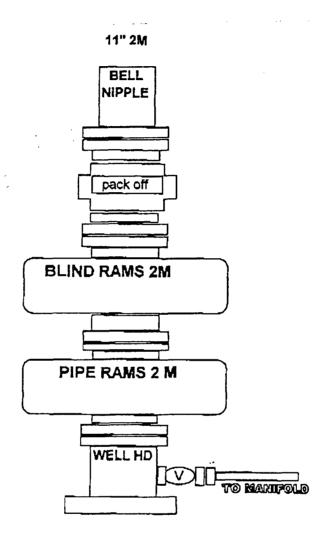
SCALE: 1" = 2000'

CONTOUR INTERVAL: LAKE McMILLAN NORTH, N.M. - 10'

SEC. <u>14</u> T	WP. <u>19-S</u> R	CE.	26-	<u>E</u>
SURVEY	N.M.P.	М.		
COUNTY	EDDY			
DESCRIPTION	1980' FSL	&	660'	FWL
ELEVATION				
OPERATOR	PO PRODUCING	GO C(OMPAN	١Y
LEASE	LAKEWOOL) 1	4	
U.S.G.S. TOP	OGRAPHIC I	MAP	,	

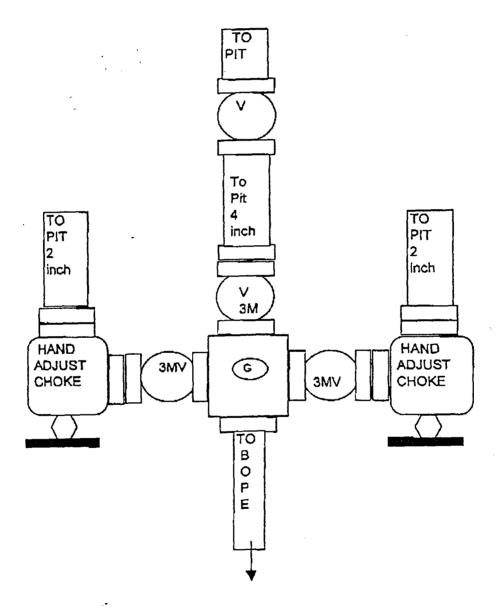
LAKE McMILLAN NORTH, N.M.





CHOKE MANIFOLD

3000 PSI WP



Pogo Producing Company Lake Wood 14 # 3 DRILLING PLAN

1980 FSL & 660 FWL, Sec 14, T19S, R26E, Eddy County, New Mexico

- 1. Drill 26" hole w/ auger to 40' below ground level. Set 40' of 20" ¼" wall conductor and grout cement to surface with redi mix.
- 2. Drill 17 ½" hole w/ fresh water base mud and sweeps to a total depth of 500'. Set 500' 13 3/8" 48# H-40 STC casing and cement w/ 225 sks minumum "C" 35:65: 6 lite cement mixed @ 12.4 ppg. Tail w/ 200 sks "C" w/ 2% calcium Chloride mixed @ 14.8 ppg. Adjust lead slurry if more than 100% wash out is realized. Nipple up 11" 2m double bop & test w/ rig pump to 1000 psi using rig pump.
- 3. Drill 11" hole to a total depth of 1050' using Fresh water mud and sweeps. Set 1050' 8 5/8" 24# J-55 STC casing and cement same with 150 sks "C" lite 35:65:6 poz/cement/gel mixed @ 12.4 ppg. Tail w/ 200 sks "C" w/ 2% calcium chloride mixed @ 14.8 ppg. Cement should be circulated. Recommend running fluid caliper and adjusting lead slurry accordingly. Nipple up 10" 2m Bop's and test to 1500 psi w/ rig pump. R/U Mud Logger and Hydrogen sulfide monitoring equipment. "Un Manned". Make sure all Rig employee's are H2S certified.
- 4. Drill 7 7/8" hole to a total depth of 8000' using fresh water and mud sweeps. Log well as per Geology recommendation. Run 5 ½" 15.5# J-55 Casing and 17# J-55 casing to 8000'. Cement w/ log caliper X 30% so as to circulate. Stage tool may be run @ 4000' if necessary. Premium Plus cement will be used w/ 8 pps gilsonite mixed @ 14.1 ppg.

Casing detail:

8000' - 6000' (2000' 5 ½" 17# J-55 LTC)

6000' - 1000' (5000' 5 ½" 15.5# J-55 LTC)

1000' - surface (1000' 5 1/2" 17# J-55 LTC)

Pogo Producing Company Lake Wood 14 # 3 DRILLING PLAN

1980 FSL & 660 FWL, Sec 14, T19S, R26E, Eddy County, New Mexico

Mud Property Summary

Since Pogo Producing Company has not selected a Mud Retail Company for this project at the time of writing this procedure, the following summary should be enough for NMOCD review.

Depth (FEET)	Weight (PPG)	Viscosity (SEC/QRT)	Fluid Loss (CC/30 MIN)	PV (CPS)	YP (LB/100'2	LCM) (PPB)	MUD TYPE
0-500'	8.5-8.8	28-36	NC	6-8	8-10	sweeps	Native/premix gel/Ph control 9.0
500-1050	8.4 – 8.5	28-29	NC	0	0	sweeps	Clear Water/ paper sweeps
1050-6000	8.5-8.6	28-29	NC	0	0	sweeps	Clear Water/ paper sweeps/ PH & corrosion control
6000-8000'	8.6-8.8	29	NC	0	0	sweeps	Clear Water/Paper sweeps/ PH & corrosion control. Weight may increase due to formation water influx.

5 ½ inch Casing Strength and Load

Depth (feet)	Burst Load (PSI)	Burst Strength (PSI)	Collapse Load (PSI)	Collapse Strength (PSI)	Tensile load (1000lbs)	Tensile Strength (1000lbs)
1000'	3624	5320	520	4910	128.5	247
6000'	3205	4810	3640	4040	115.5	217
8000'	< 500	5320	4160	4910	< 35	247

All factor of Burst in excess of 1.4 All design of collapse factor in excess of 1.18. Tensile factor in excess of 1.9

Design Property Burst = 8.3 ppg pore pressure. Design Property Collapse = 10 ppg No Abnormal Pressure expected in this area.

Pogo Producing Company Lake Wood 14 # 3 DRILLING PLAN

1980 FSL & 660 FWL, Sec 14, T19S, R26E, Eddy County, New Mexico

Formation tops as per Spencer Trust in section 15:

Queen = 600 ft
Grayburg = 910 ft
San Andres = 1310 ft
Yeso = 2928
Bone Spring Lm = 4630 ft
3rd Bone Spring Sd. = 6570 ft
Wolfcamp Lime = 7020 ft
Cisco = 7850 ft
Strawn = 8316
Atoka = 9042
Morrow = 9197
Morrow Clastics = 9446
Chester = 9768

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

This well and its anticipated facility are not expected to have Hydrogen Sulfide releases. Pogo Producing Company has had no known H2S problems in this area, however, there is always a possibility of Hydrogen Sulfide production or releases in the Delaware Basin. Due to the subject well's proximity to a private residence the following contingency plan has been orchestrated. Pogo Producing Company will have a Company Representative living on location through out the drilling of this well. An un-man H2S safety trailer and monitoring equipment will also be station on location during the drilling operation below the shallow Intermediate Casing depth of ± 1050 ft. until the completion of the subject well at ± 8,000 ft.

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

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Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

General H2S Emergency Actions:

- 1. All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area"
- 2. If for any reason a person must enter the hazardous area, they must wear a SCBA (Self Contained Breathing Apparatus)
- 3. Always use the "buddy system"
- 4. Isolate the well/problem if possible
- 5. Account for all personnel
- 6. Display the proper colors warning all unsuspection personnel of the danger at hand.
- 7. Contact the Company personnel as soon as possible if not at the location. (use the enclosed call list as instructed

At this point the company representative will evaluate the situation and coordinate the necessary duties to bring the situation under control, and if necessary, the notification of the emergency response agencies and nearby residents.

EMERGENCY PROCEDURES FOR AN UNCONTROLLABLE RELEASE OF H2S

- 1. All personnel will don the self contained breathing apparatus.
- 2. Remove all personnel to the "safe area". (always use the buddy system).
- 3. Contact company personnel if not on location.
- 4. Set in motion the steps to protect and or remove the general public to an upwind "safe area". Maintain strict security & safety procedures while dealing with the source.
- 5. No entry to any unauthorized personnel.
- 6. Notify the appropriate agencies: City Police-City Street (s)
 State Police- State Rd
 County Sheriff County Rd.

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

7. Call the NMOCD

If at this time the supervising person determines the release of H2S cannot be contained to the site location and the general public is in harms way he will take the necessary steps to protect the workers and the public.

EMERGENCY CALL LIST: (Start and continue until ONE of these people have been contacted)

	OFFICE	MOBILE	HOME
POGO Producing Co.	432 685 8100		
Richard Wright	432 685 8140	432 556 7595	432 699 7108
Barrett Smith	432 685 8141	432 425 0149	432 520 7337
Rex Jasper	432 685 8143	432 631 0127	432 694 1839
Donny Davis	pgr 432 563 6944	432 556 5927	432 570 9555
Jerry Cooper	432 685 8101		432 697 4629
EMERGENCY RESPONSE N	IUMBERS:		
State Police: State Police:	Eddy County Lea County		505 748 9718 505 392 5588
State Folice.	Lea County		505 392 5566
Sheriff Sheriff	Eddy County Lea County		505 746 2701
Emergency Medical Ser	Eddy County	_	911 or 505 746 2701
(Ambulance)	Lea County	Eunice	911 or 505 394 3258
Emergency Response	Eddy County SERC		505 476 9620

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

Lea County

Artesia Police Dept Artesia Fire Dept		505 746 5001 505 746 5001
Carlsbad Police Dept Carlsbad Fire Dept		505 885 2111 505 885 3125
Loco Hills Police Dept		505 677 2349
Jal Police Dept Jal Fire Dept Jal ambulance		505 395 2501 505 395 2221 505 395 2221
Eunice Police Dept Eunice Fire Dept Eunice Ambulance		505 394 0112 505 394 3258 505 394 3258
Hobbs Police Dept		
NMOCD	District 1 (Lea, Roosevelt, Curry) District 2 (Eddy Chavez)	505 393 6161 505 748 1283
Lea County Information		505 393 8203
Callaway Safety	Lea/Eddy County	505 392 2973
BJ Services	Artesia Hobbs	505 746 3140 505 392 5556
Halliburton	Artesia Hobbs	1 800 523 2482 1 800 523 2482
Wild Well Control	Midland Mobile	432 550 6202 432 553 1166

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

PROTECTION OF THE GENERAL PUBLIC (Radius Of Exposure) ROE:

- 100 ppm at any public area (any place not associated with this site)
- 500 ppm at any public road (any road which the general public may travel)
- 100 ppm radius of ¼ mile in New Mexico will be assumed if there is insufficient data to do the calculations, and there is a reasonable expectation that H2S could be present in concentrations greater than 100 ppm in the gas mixture

CALCULATIONS FOR THE 100 PPM (ROE) "Pasquill-Gifford equation"

X = [(1.589) (mole fraction) (Q - volume in std cu ft)] to the power of (0.6258)

CALCULATION FOR THE 500 PPM ROE:

X = [(.4546) (mole fraction) (Q - volume in std cu ft)] to the power of (0.6258)

Example:

If a well/facility has been determined to have 150 / 500 ppm H2S in the gas mixture and the well/facility is producing at a gas rate of 100 MCFPD then:

```
150 ppm X=[(1.589) (.00015) (100,000 cfd)] to the power of (.6258) X=7 ft
```

500 ppm X = [(.4546) (.0005) (100,000 cfd)] to the power of (.6258) X = 3.3 ft.

(These calculations will be forwarded to the appropriate District NMOCD office when Applicable)

PUBLIC EVACUATION PLAN:

- 1. Notification of the emergency response agencies of the hazardous condition and implement evacuation procedures.
- A trained person in H2S safety, shall monitor with detection equipment the H2S concentration, wind and area exposure (ROE). This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. (All monitoring equipment shall be UL approved, for use in class 1

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

- groups A,B,C &D, Division 1, hazardous locations. All monitor will have a minimum capability of measuring H2S, oxygen, and flammable values).
- Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.
- The company supervising personnel shall stay in communication with all agencies through out the duration of the situation and inform such agencies when the situation has been contained and the effected area(s) is safe to enter.

PROCEDURE FOR IGNITING AN UNCONTROLABLE CONDITION:

- 1. Human life and/or property are in danger
- 2. There is no hope of bringing the situation under control with the prevailing conditions at the site.

INSTRUCTION FOR IGNITION:

- 1. Two people are required. They must be equipped with positive pressure, self contained breathing apparatus and a "D" ring style full body, OSHA approved safety harness. Non flammable rope will be attached.
- 2. One of the people will be qualified safety person who will test the atmosphere for H2S, Oxygen & LFL. The other person will be the company supervisor; he is responsible for igniting the well.
- 3. Ignite up wind from a distance no closer than necessary. Make sure that where you
 ignite from has the maximum escape avenue available. A 25 mm flare gun shall be used,
 with a ± 500 ft. range to ignite the gas.
- 4. Prior to ignition, make a final check for combustible gases.
- 5. Following ignition, continue with the emergency actions & procedures as before.

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

REQUIRED EMERGENCY EQUIPMENT:

• 1. Breathing apparatus:

- ➤ Rescue Packs (SCBA) 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- ➤ Work/Escape packs 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- ➤ Emergency Escape Packs 4 packs shall be stored in the doghouse for emergency evacuation.

2. Signage & Flagging:

- > One color code condition sign will be placed at the entrance to the site reflection the possible conditions at the site.
- > A colored condition flag will be on display, reflecting the condition at the site at the time.
- 3. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- 4. Wind Socks: Two wind socks will be placed in strategic locations, visible from all angles.
- 5. H2S detectors and alarms: The stationary detector with thre sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days ora as needed. The sensors will be placed in the following places: (Gas sample tubes will be stored in the safety trailer)
 - Rig Floor
 - Bell Nipple
 - > End of Flow line or where well bore fluid are being discharged.

• 6. Auxiliary Rescue Equipment:

- > Stretcher
- > Two OSHA full body harness
- > 100 ft 5/8 inch OSHA approved rope

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

- > 1-20# class ABC fire extinguisher
- > Communication via cell phones on location and vehicles on location.

USING SELF CONTAINED BREATHING AIR EQUIPMENT (SCBA):

- (SCBA) SHOULD BE WORN WHEN ANY OF THE FOLLOWING ARE PERFORMED:
 - > Working near the top or on top of a tank
 - > Disconnecting any line where H2S can reasonably be expected
 - > Sampling air in the area to determine if toxic concentrations of H2S exist.
 - Working in areas where over 10 ppm on H2S has been detected.
 - > At any teim there is a doubt as the level of H2S in the area.
- All personnel shall be trained in the use of SCBA prior to working in a potentially hazardous locaton.
- Facial hair and standard eyeglasses are not allowed with SCBA.
- Contact lenses are never allowed with SCBA.
- Air quality shall be continuously be checked during the entire operation.
- After each use, the SCBA unit shall be cleaned, disinfected, serviced and inspected
- All SCBA shall be inspected monthly.

RESCUE AND FIRST AID FOR VICTIMS OF HYDROGEN SULFIDE (H2S) POISONING:

- Do not panic
- Remain Calm & think
- Get on the breathing apparatus

Hydrogen Sulfide Contingency Plan For Drilling/Workover/Facility

1980 FSL & 660 FWL, SEC 14, T19S, R26E, EDDY COUNTY, NEW MEXICO

- Remove the victim to the safe breathing area as quickly as possible. Up wind an uphill from source or cross wind to achieve upwind.
- Notify emergency response personnel.
- Provide artificial respiration and or CPR, as necessary
- Remove all contaminated clothing to avoid further exposure.
- A minimum of two personnel on location shall be trained in CPR and First Aid.

HYDROGEN SULFIDE TOXIC EFFECTS

H2S is extremely toxic. The acceptable ceiling for eight hours of exposure is 10 ppm, which is .001% by volume. H2S is approximately 20% heavier than air (Sp. Gr= 1.19)(Air = 1) and colorless. It forms an explosive mixture with air between 4.3% and 46%. By volume hydrogen sulfide is almost as toxic as hydrogen cyanide and is 5-6 times more toxic than carbon monoxide.

Various Gases

COMMON NAME	CHEMICAL ABBREV.	SPECIFIC GRVTY.	THRESHOLD LIMITS	HAZARDOUS LIMITS	LETHAL CONCENTRATIONS
	<u> </u>				
Hydrogen Sulfide	H2S	1.19	10ppm 15 ppm	100 ppm/hr	600 ppm
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/hr	300 ppm
Sulfur Dioxide	SO2	2.21	2 ppm	N/A	1000 ppm
Chlorine	CL2	2.45	1 ppm	4 ppm/hr	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	CO2	1.52	5000 ppm	5%	10%
Methane	CH4	0.55	90,000	Combustible @ 5%	N/A

Threshold limit: Concentrations at which it is believed that all workers may be repeatedly

exposed, day after day without adverse effects.

Hazardous Limit: Concentrations that may cause death

Lethal

Concentrations: Concentrations that will cause death with short term exposure

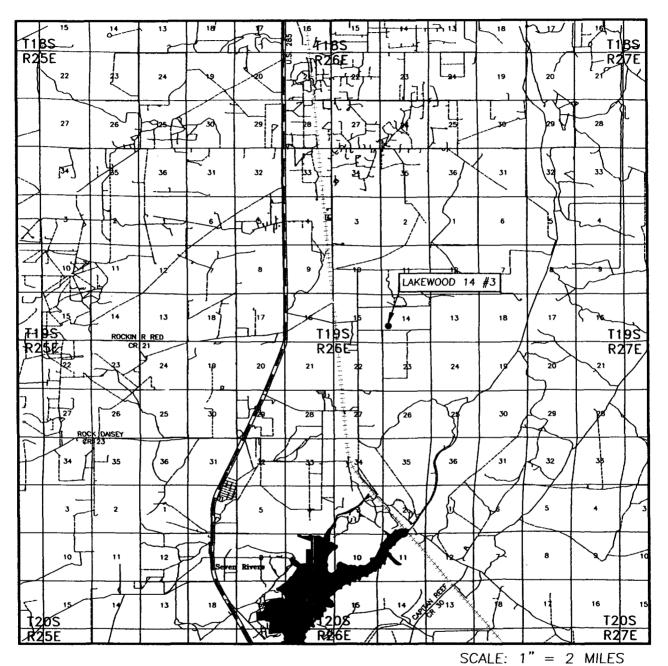
Threshold limit -

10 ppm: NIOSH guide to chemical hazards

PHYSICAL EFFECTS OF HYDROGEN SULFIDE:

CONCENTRATION		PHYSICAL EFFECTS		
.001%	10 PPM	Obvious and unpleasant odor. Safe for 8 hr exposure		
.005%	50 ppm	Can cause some flu like symptoms and can cause pneumonia		
.01%	100 ppm	Kills the sense of smell in 3-15 minutes. May irritate the eyes and throat.		
.02%	200 ppm	Kills the sense of smell rapidly. Severly irritates the eyes and throat. Severe flu like symptoms after 4 or more ours. May cause lung damage and or death.		
.06%	600 ppm	Loss of consciousness quickly, death will result if not rescued promptly.		

VICINITY MAP

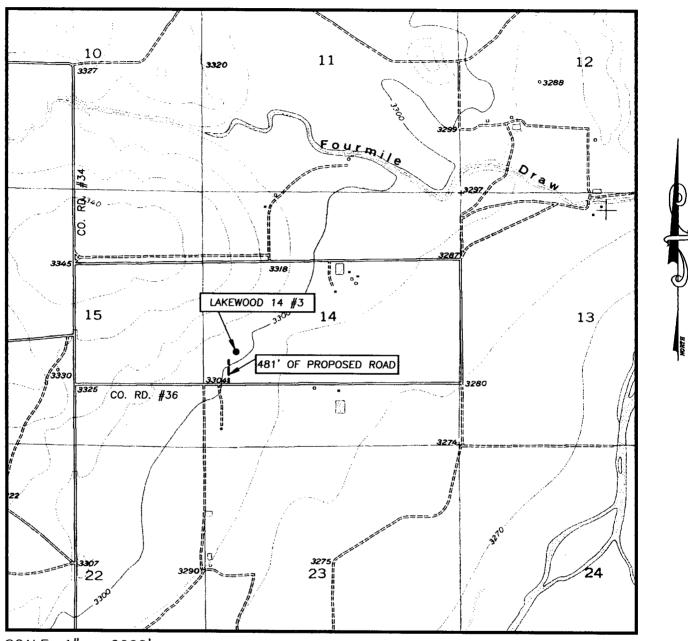


SEC. 14 T	WP. <u>19-S</u> RGE. <u>26</u>	<u>6−E</u>
SURVEY	N.M.P.M.	
COUNTY	EDDY	
DESCRIPTION	1980' FSL & 66	O' FWL
ELEVATION_	3301'	
OPERATOR_	POGO PRODUCING COMP	PANY
LEASE	LAKEWOOD 14	





LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. <u>14</u> TWP. <u>19-S</u> RGE. <u>26-E</u>

SURVEY_____N.M.P.M.

COUNTY____EDDY

DESCRIPTION 1980' FSL & 660' FWL

ELEVATION 3301'

POGO
OPERATOR PRODUCING COMPANY

14454000 44

LEASE LAKEWOOD 14

U.S.G.S. TOPOGRAPHIC MAP LAKE McMILLAN NORTH, N.M.



