

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

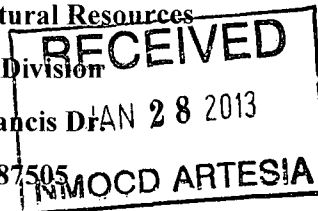
Form C-101
Revised November 14, 2012

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr

Santa Fe, NM 87505



☐ AMENDED REPORT

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

1. Operator Name and Address Nabors Well Services Company 515 West Green Road Houston, TX 77067		2. OGRID Number 170966
		2. API Number 30-015-26280
3. Property Code 39665	5. Property Name Nabors SWD	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	24	21S	27E		660	South	2120	West	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

Pool Information

Pool Name SWD; Devonian	Pool Code 96101
-----------------------------------	---------------------------

Additional Well Information

11. Work Type E	12. Well Type S	13. Cable/Rotary R	14. Lease Type P	15. Ground Level Elevation 3128
16. Multiple N	17. Proposed Depth 13700	18. Formation Devonian	19. Contractor Nabors	20. Spud Date As soon as approved
Depth to Ground water 59	Distance from nearest fresh water well 116		Distance to nearest surface water Greater than 1 mile	

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	20	16	75	659	500+Redi Mix	Surface-In Place
Inter	14 3/4	9 5/8	40	2257	2102	Surface-In Place
Prod	8 1/2	5 1/2	17	11200-4505	1275	4505-In Place

Casing/Cement Program: Additional Comments

Well PA in 1998. See attached drilling plan for complete casing, cementing and drilling fluids program

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double - Hydraulic	5000	5000	Cameron/Schaffer

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 I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Billy E. Priehard</i>		OIL CONSERVATION DIVISION	
Printed name: Billy E. Priehard		Approved By: <i>J. C. Shepard</i>	
Title: Agent for Nabors Well Services Company		Title: <i>60040613</i>	
E-mail Address: billy@pwlc.net		Approved Date: <i>1/29/2013</i> Expiration Date: <i>1/29/2015</i>	
Date: <i>1/20/13</i>	Phone: 432-934-7680	Conditions of Approval Attached	

Nabors Well Services Company
 Nabors SWD # 001
 660 FSL X 2120 FWL
 Unit Letter "N", Section 24, T21S, R27E
 Eddy County, New Mexico
 Spud 03/20/1990
 Plugged and Abandoned 12/28/1998

API 30-015-26280
 Elevation 3126.4 GL

Surface Casing
 16" 75#/ft K55 in 20" hole at 659'
 Cemented w/ 200sx Thickset, 185sx
 Howco Lite, 300sx Class "C" cement
 Cement circulated to 50'
 Top 50ft filled with 10 yds Redi Mix

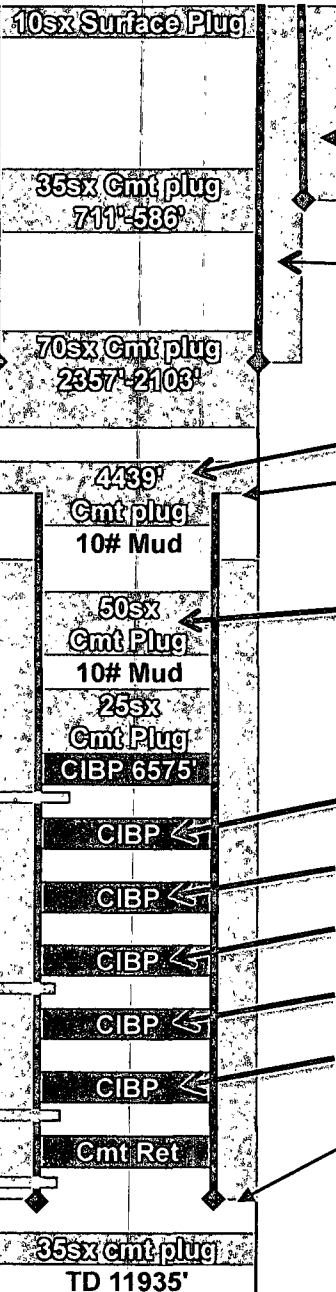
Intermediate Casing
 9 5/8" 40#/ft K55 ST&C in 14 3/4" hole
 at 2257'
 Cemented w/ 200sx Thickset, 1000sx
 Howco Lite, 200sx Class "C" cement
 Cement circulated to 1574ft
 1" to surface w/702sx Class "C"

Base Salt 650
 Top Yates 680
 Capitan Reef 1265
 Delaware 2475
 Cherry Canyon 3015
 Brushy Canyon 4105
 Bone Springs 5440

Bone Springs Perforations
 6618'-7718'

Wolfcamp Perforations
 9692-9738'

Strawn Perforations
 10302-10342'
 Strawn Perforations
 10488-10504'
 Squeezed w/ 100sx cmt



100sx Cmt plugs from 4727'- 4439'
 5 1/2" csg cut and pulled from 4505'

50 sx Cmt plug 5438'

7900'

8970' capped w/35'cmt

9650' capped w/35'cmt

10010' capped w/35'cmt

10250' capped w/35' cmt

Production Casing
 5 1/2" 17#/ft P110 & N80 in 8 1/2 hole
 at 11200'
 Cemented with 1275sx Class "H" cmt
 TOC at 8178' by CBL

BEP

Drawing not to Scale

www.pwllc.net

Nabors Well Services Company
 Nabors SWD # 001
 660 FSL X 2120 FWL
 Unit Letter "N", Section 24, T21S, R27E
 Eddy County, New Mexico
 Spud 03/20/1990
 Proposed well diagram

API 30-015-26280
 GL 3128

DRAWING
 NOT TO
 SCALE

Surface Casing
 16" 75#/ft K55 in 20" hole at 659'
 Cemented w/ 200sx Thickset, 185sx
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 9 5/8" 40#/ft K55 ST&C in 14 3/4" hole
 at 2257'
 Cemented w/ 200sx Thickset, 1000sx
 Howco Lite, 200sx Class "C" cement
 Cement circulated to 1574ft
 1" to surface w/702sx Class "C"

Casing patch at 4505'
 Cmt circulated to surface

MAXIMUM INJECTION PRESSURE
 2558 PSI

Perfs
 6618'-7718'
 Cmt Sqz 100sx

Perfs
 9692-9738'
 Cmt Sqz 50sx

Perfs
 10302'-10342'
 Cmt Sqz 50sx

Perfs
 10488'-10504'
 Previously Squeezed

2 7/8" & 2 3/8" IPC TBG

Production Casing
 5 1/2" 17#/ft P110 & N80 in 8 1/2" hole
 at 11200'
 Cemented with 1275sx Class "H" cmt
 TOC at 8178' by CBL

4"x 2 3/8"
 Nickel Coated
 Arrowset packer
 12740' +or -

Original 8 1/2" TD 11935'

4" Flush Joint Liner 11100'-12790'
 Circulate cmt to TOL

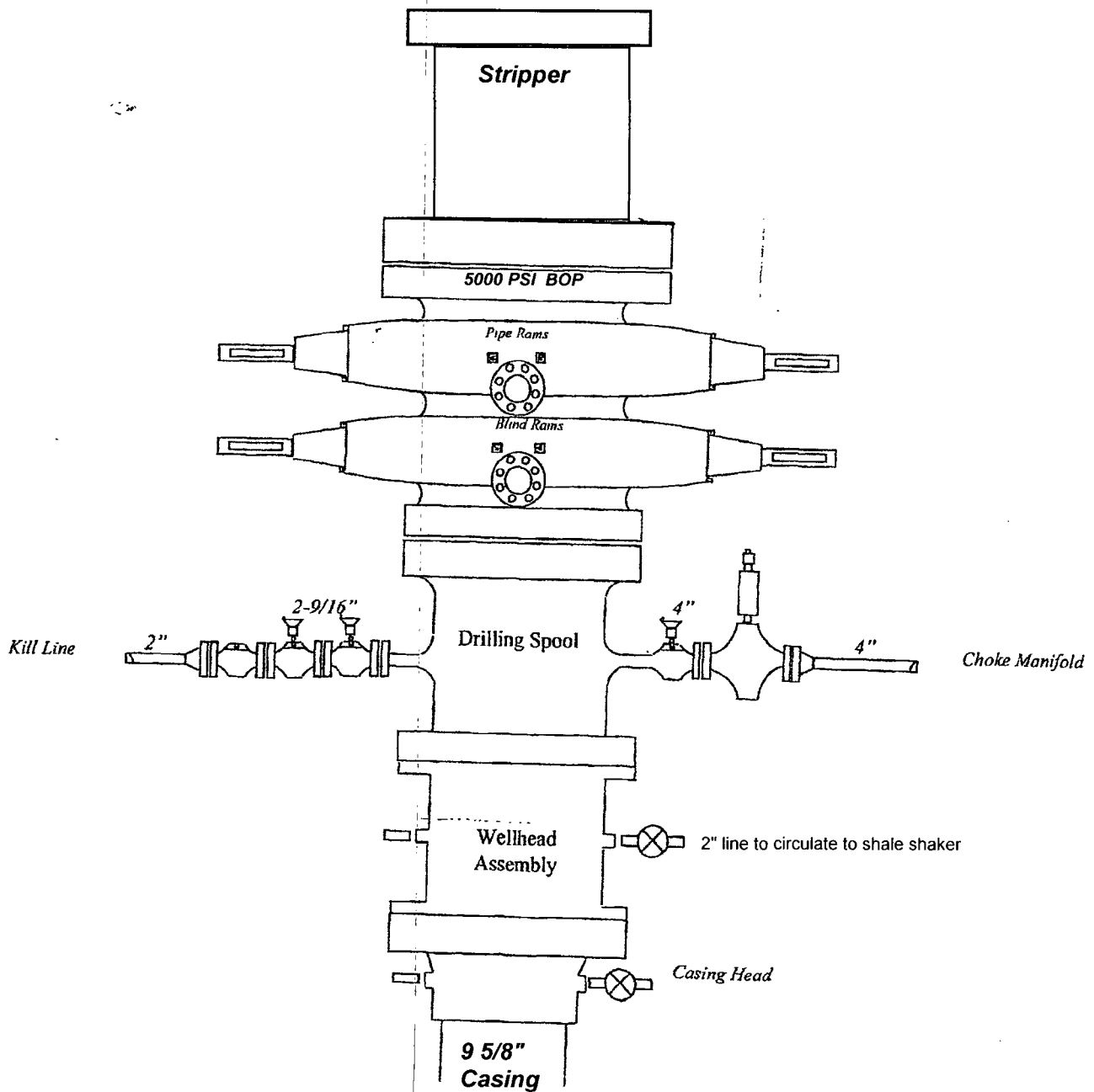
4 3/4" OH 12790'-13700'

BEP

www.pwllc.net

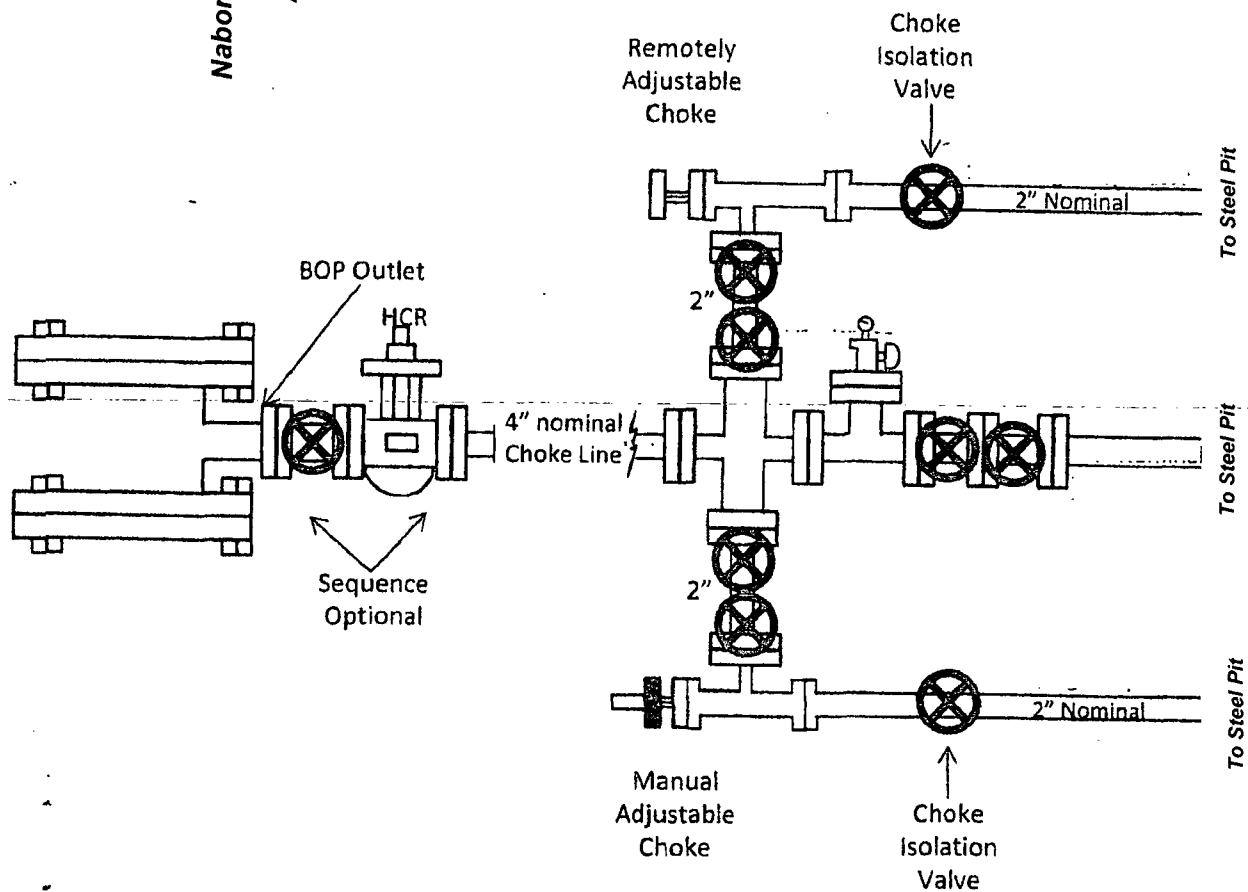
Nabors Well Services Company
Nabors SWD # 1
API # 30-015-26280
660 FSL X 2120 FWL
Unit Letter "N", Section 24, T21S, R27E
Eddy County, New Mexico

Carlsbad Truck Yard



Drilling Operations Choke Manifold 5M Service

Nabors Well Services Company
Nabors SWD # 1
API # 30-015-26280



Nabors Well Services Company

API 30-015-26280

Proposed Drilling Program

Nabors proposes to re-enter the plugged and abandoned Lone Tree Federal Com # 1 for purpose of testing the Devonian formation for private commercial salt water disposal

Plugs will be drilled out to total depth of 13700 feet

0-2100	Fresh Water
2100-11200	Cut Brine
11200-13700	Cut Brine with 6%KCL

Surface casing is in place

Intermediate casing is in place

Production casing from TD of 11200-4505ft

If logs indicate Devonian porosity will take water

5 1/2" 17# J55 casing will be ran and tied in to casing top at 4505 feet

Casing will be cemented with sufficient volume to circulate to surface

Please see attached well diagram

4 " Flush Joint liner will be run from 11100 feet to 12790 feet

Liner will be cemented with sufficient volume to circulate to liner top

NMOCD form C108 is in the preparation stage

This well is located inside the Nabors - Carlsbad Truck Yard

No activities will take place until like approval received from the City of Carlsbad

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State of New Mexico
Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-26280		² Pool Code 96101	³ Pool Name SWD; Devonian
⁴ Property Code 39665	⁵ Property Name NABORS SWD #1		⁶ Well Number 1
⁷ OGRID No. 170966	⁸ Operator Name Nabors Well Services Company		⁹ Elevation 3128'

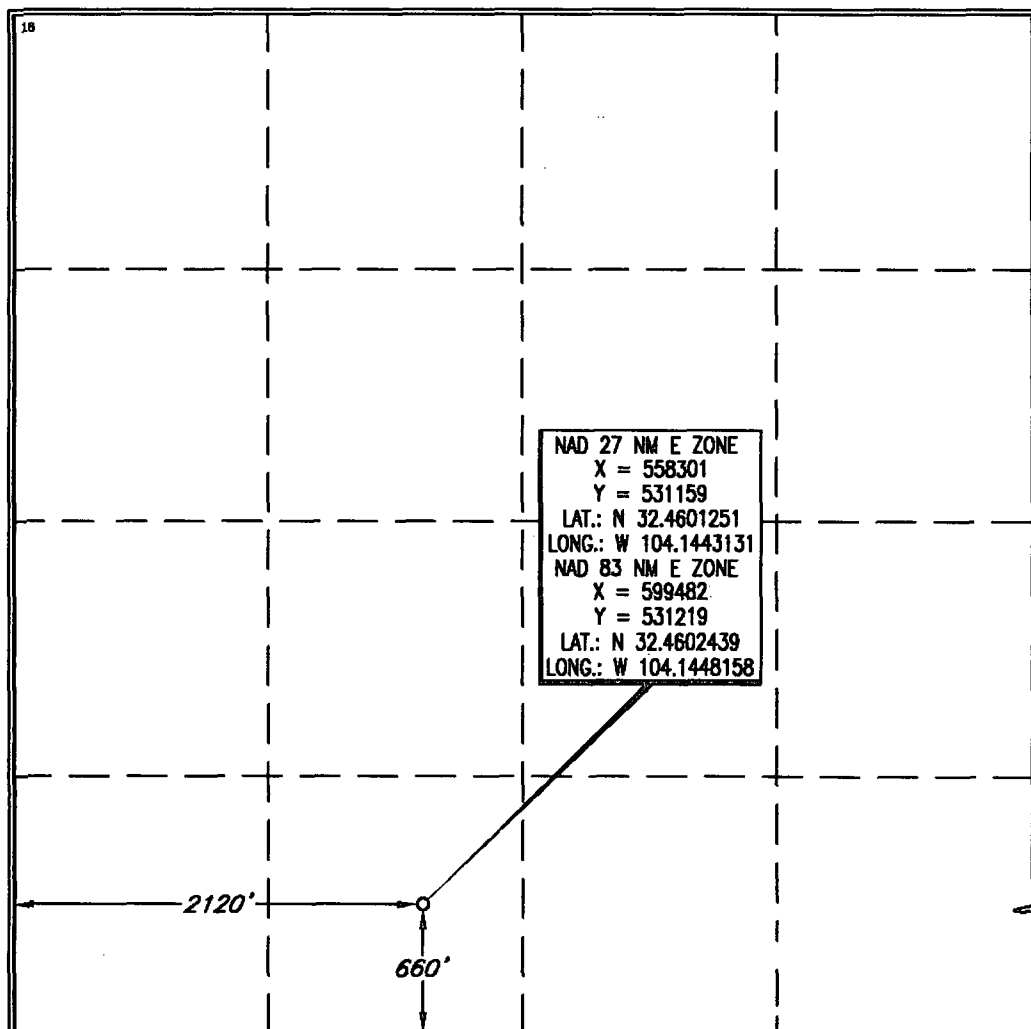
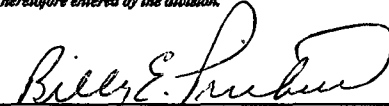

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	24	21 SOUTH	27 EAST, N.M.P.M.		660'	SOUTH	2120'	WEST	EDDY

¹¹ 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
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p> Signature _____ Date 1/20/13 Billy E. Prichard Printed Name billy@pwllc.net E-mail Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was placed in the field by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>18329 NOVEMBER 7, 2012 Date of Survey Signature and Seal of Professional Surveyor  Michael Blake Brown R.P.S. #18329 JOB #LO_NABORS_SWD_1/74NE/EUO</p>

NABORS COMPLETIONS & PRODUCTIONS SERVICES

DRAWING OF A 84.56 ACRE TRACT OF LAND IN THE
S/2 OF SECTION 24, TOWNSHIP 21 SOUTH, RANGE 27 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

METES AND BOUNDS DESCRIPTION

Metes and Bounds description of a tract of land as described by a Warranty Deed recorded in Vol. 744, Page 0378, Deed Records, Eddy CO., NM. Said tract is in the S/2 of Section 24, Township 21 South, Range 27 East, N.M.P.M., Eddy County, New Mexico and is more particularly described as follows.

Beginning at a 1/2" iron rod with cap, Typ. "PS 18329", set at the Southwest corner of the E/2 of SW/4 of said Section 24, whence a 2" iron pipe with brass cap found for the Southwest corner of said Section 24 bears S 89°16'29" W, a distance of 1340.34 feet and being the Southwest corner of this tract;

Thence N 00°28'55" W, along the West line of the E/2 of SW/4 of said Section 24, a distance of 2005.30 feet to a 1/2" iron rod with cap set on the Easterly R-O-W of Southwestern Railroad for the most Southerly Northwest corner of this tract;

Thence along said R-O-W, through a curve to the left with a radius of 2918.16 feet a distance of 970.99 feet with a chord which bears N 46°38'37" E, a distance of 966.52 feet to a point on the North line of the S/2 of said Section 24 and being the most Northerly Northwest corner of tract, whence a 1/2" iron rod found with destroyed cap bears S 83°14'57" E, a distance of 1.59 feet.

Thence N 89°11'37" E, along the North line of the S/2 of said Section 24, at 630.78 feet pass a 1/2" iron rod found for the Northeast corner of the SW/4 of said Section 24, in all 697.98 feet to a 1/2" iron rod with cap set for the Northeast corner of this tract;

Thence S 41°02'33" E, a distance of 1173.03 feet to a 1/2" iron rod found for the Eastern most corner of this tract;

Thence S 48°46'49" W, a distance of 124.42 feet to a 1" iron rod found for an interior corner of this tract;

Thence through a curve to the right with a radius of 340.00 feet a distance of 237.70 feet with a chord which bears S 69°27'57" W, a distance of 232.89 feet to 1/2" iron rod with cap set for an interior corner of this tract.

Thence S 88°24'03" W, a distance of 100.99 feet to a 1/2" iron rod with cap set for an interior corner of this tract;

Thence S 42°49'25" E, a distance of 55.11 feet to a 1/2" iron rod found for an exterior corner of this tract;

Thence S 48°57'07" W, a distance of 619.89 feet to a 1/2" iron rod found for an interior corner of this tract;

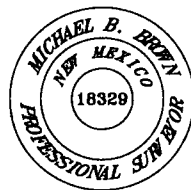
Thence S 40°55'41" E, a distance of 359.33 feet to a 1/2" iron rod with cap set on the Northwestern R-O-W of State Highway 62 for the most Easterly Southeast corner of this tract;

Thence along said R-O-W S 49°05'06" W, a distance of 1377.23 feet to a 1/2" iron rod with cap set for the most Westerly Southeast corner of this tract;

Thence S 89°16'29" W, a distance of 506.06 feet to the PLACE OF BEGINNING.

Containing 84.47 Acres or 3,679,727.6 sq. ft.

CERTIFICATION:



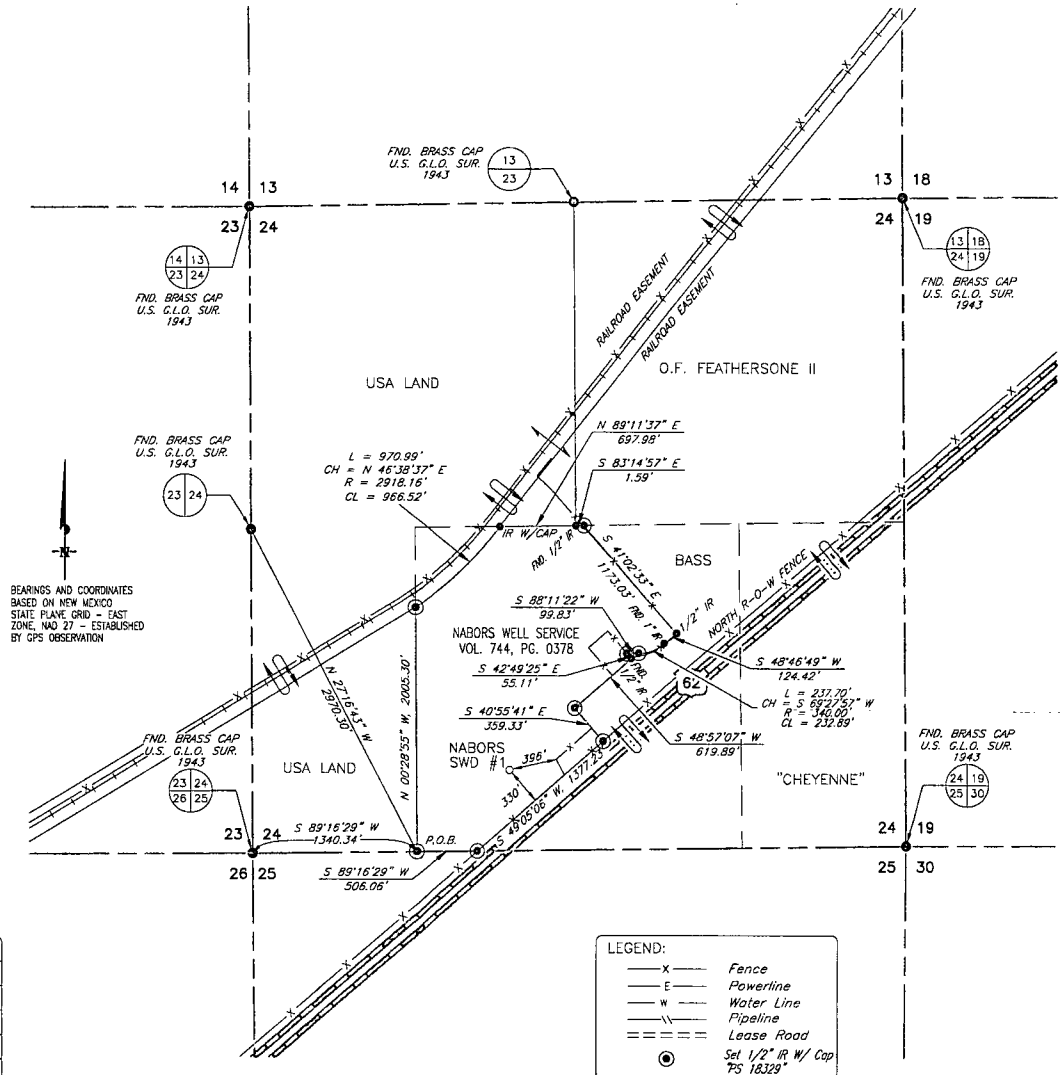
New Mexico Reg. No. 18329

THE INFORMATION IN THIS DRAWING WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ACTUAL ON-THE-GROUND SURVEY MADE UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THE INFORMATION HEREON IS FOR RIGHT-OF-WAY ACQUISITION PURPOSES ONLY AND DOES NOT CONSTITUTE A COMPLETE BOUNDARY SURVEY AS DEFINED BY THE T.S.P.L.S. "PROFESSIONAL LAND SURVEYING PRACTICES ACT". ALL LANDOWNER INFORMATION, PROPERTY LINES, AND DESCRIPTIONS ARE SHOWN BASED ON DATA PROVIDED BY PLAINS PIPELINE, L.P.

TOPOGRAPHIC
SURVEYING • MAPPING • GIS • GPS

2303 N. BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 • (800) 767-1653 • FAX: (432) 682-1743

SCALE:	1" = 1000'
DATE:	DECEMBER 3, 2012
COGO:	74-192476
SHEET:	1 OF 1
	BO_NABORS_SWD1
DRAWN BY:	EUO; 12-10-12
ORIGINAL DOC. SIZE: 8.5"x14"	



CONTINGENCY PLAN

NABORS COMPLETION AND PRODUCTION SERVICES COMPANY

NABORS SWD #1

Section 24, Township 21 South, Range 27 East
660' FSL and 2120' FWL
Eddy County, New Mexico

Prepared For:
Date Prepared:

Nabors Well Service – Carlsbad Truck Yard
January 3, 2013

Prepared By: Indian Fire & Safety, A DXP Company

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HYDROGEN SULFIDE CONTINGENCY PLAN

SCOPE

THIS CONTINGENCY PLAN ESTABLISHES GUIDELINES FOR THE PUBLIC, ALL COMPANY EMPLOYEES WHO'S WORK ACTIVITIES MAY INVOLVE EXPOSURE TO HYDROGEN SULFIDE (H₂S) GAS.

OBJECTIVE

1. PREVENT ANY AND ALL ACCIDENTS, AND PREVENT THE UNCONTROLLED RELEASE OF HYDROGEN SULFIDE INTO THE ATMOSPHERE.
2. PROVIDE PROPER EVACUATION PROCEDURES TO COPE WITH EMERGENCIES.
3. PROVIDE IMMEDIATE AND ADEQUATE MEDICAL ATTENTION SHOULD AN INJURY OCCUR.

H2S CONTINGENCY PLAN

DISCUSSION

GEOLOGICAL PROGNOSIS

IMPLEMENTATION:

THIS PLAN WITH ALL DETAILS IS TO BE FULLY IMPLEMENTED BEFORE DRILLING TO PRODUCTION CASING POINT.

EMERGENCY RESPONSE PROCEDURE:

THIS SECTION OUTLINES THE CONDITIONS AND DENOTES STEPS TO BE TAKEN IN THE EVENT OF AN EMERGENCY.

EMERGENCY EQUIPMENT PROCEDURE:

THIS SECTION OUTLINES THE SAFETY AND EMERGENCY EQUIPMENT THAT WILL BE REQUIRED FOR THE DRILLING OF THIS WELL.

TRAINING PROVISIONS:

THIS SECTION OUTLINES THE TRAINING PROVISIONS THAT MUST BE ADHERED TO PRIOR TO DRILLING TO PRODUCTION CASING POINT.

DRILLING EMERGENCY CALL LISTS:

INCLUDED ARE THE TELEPHONE NUMBERS OF ALL PERSONS TO BE CONTACTED SHOULD AN EMERGENCY EXIST.

BRIEFING:

THIS SECTION DEALS WITH THE BRIEFING OF ALL PEOPLE INVOLVED IN THE DRILLING OPERATION.

PUBLIC SAFETY:

PUBLIC SAFETY PERSONNEL WILL BE MADE AWARE OF THE DRILLING OF THIS WELL.

CHECK LISTS:

STATUS CHECK LISTS AND PROCEDURAL CHECK LISTS HAVE BEEN INCLUDED TO INSURE ADHERENCE TO THE PLAN.

GENERAL INFORMATION:

A GENERAL INFORMATION SECTION HAS BEEN INCLUDED TO SUPPLY SUPPORT INFORMATION.

H2S CONTINGENCY PLAN

EMERGENCY PROCEDURES

- A. IN THE EVENT OF ANY EVIDENCE OF H2S LEVEL ABOVE 10 PPM, TAKE THE FOLLOWING STEPS:
 - 1. SECURE BREATHING EQUIPMENT.
 - 2. ORDER NON-ESSENTIAL PERSONNEL OUT OF DANGER ZONE.
 - 3. TAKE STEPS TO DETERMINE IF THE H2S LEVEL CAN BE CORRECTED OR SUPPRESSED AND, IF SO, PROCEED IN NORMAL OPERATION.
- B. IF UNCONTROLLABLE CONDITIONS OCCUR:
 - 1. TAKE STEPS TO PROTECT AND/OR REMOVE ANY PUBLIC IN THE DOWN-WIND AREA FROM THE RIG – PARTIAL EVACUATION AND ISOLATION. NOTIFY NECESSARY PUBLIC SAFETY PERSONNEL AND THE BUREAU OF LAND MANAGEMENT OF THE SITUATION.
 - 2. REMOVE ALL PERSONNEL TO SAFE BREATHING AREA.
 - 3. NOTIFY PUBLIC SAFETY PERSONNEL TO SAFE BREATHING AREA.
 - 4. PROCEED WITH BEST PLAN (AT THE TIME) TO REGAIN CONTROL OF THE WELL. MAINTAIN TIGHT SECURITY AND SAFETY PROCEDURES.
- C. RESPONSIBILITY:
 - 1. DESIGNATED PERSONNEL.
 - a. SHALL BE RESPONSIBLE FOR THE TOTAL IMPLEMENTATION OF THIS PLAN.
 - b. SHALL BE IN COMPLETE COMMAND DURING ANY EMERGENCY.
 - c. SHALL DESIGNATE A BACK-UP.

EMERGENCY PROCEDURES

*(Procedures are the same for both Drilling and Tripping)

- | | |
|-------------------|---|
| ALL PERSONNEL: | <ol style="list-style-type: none">1. ON ALARM, DON ESCAPE UNIT AND REPORT IN UP WIND BRIEFING AREA.2. CHECK STATUS OF PERSONNEL (BUDDY SYSTEM).3. SECURE BREATHING EQUIPMENT.4. AWAIT ORDERS FROM SUPERVISOR. |
| DRILLING FOREMAN: | <ol style="list-style-type: none">1. REPORT TO UP WIND BRIEFING AREA.2. DON BREATHING EQUIPMENT AND RETURN TO POINT OF RELEASE WITH TOOL PUSHER OR DRILLER (BUDDY SYSTEM).3. DETERMINE H₂S CONCENTRATIONS.4. ASSESS SITUATION AND TAKE CONTROL MEASURES. |
| TOOL PUSHER: | <ol style="list-style-type: none">1. REPORT TO UP WIND BRIEFING AREA.2. DON BREATHING EQUIPMENT AND RETURN TO POINT OF RELEASE WITH DRILLING FOREMAN OR DRILLER (BUDDY SYSTEM).3. DETERMINE H₂S CONCENTRATION.4. ASSESS SITUATION AND TAKE CONTROL MEASURES. |
| DRILLER: | <ol style="list-style-type: none">1. DON ESCAPE UNIT.2. CHECK MONITOR FOR POINT OF RELEASE.3. REPORT TO BRIEFING AREA.4. CHECK STATUS OF PERSONNEL (IN AN ATTEMPT TO RESCUE, USE THE BUDDY SYSTEM).5. ASSIGNS LEAST ESSENTIAL PERSON TO NOTIFY DRILLING FOREMAN AND TOOL PUSHER BY QUICKEST MEANS IN CASE OF THEIR ABSENCE.6. ASSUMES THE RESPONSIBILITIES OF THE DRILLING FORMAN AND TOOL PUSHER UNTIL THEY ARRIVE SHOULD THEY BE ABSENT. |

EMERGENCY PROCEDURES

DERRICK MAN
FLOOR MAN #1
FLOOR MAN #2

1. WILL REMAIN IN BRIEFING AREA UNTIL INSTRUCTED BY SUPERVISOR.

MUD ENGINEER:

1. REPORT TO BRIEFING AREA.
2. WHEN INSTRUCTED, BEGIN CHECK OF MUD FOR PH AND H₂S LEVEL. (GARETT GAS TRAIN.)

SAFETY PERSONNEL:

1. MASK UP AND CHECK STATUS OF ALL PERSONNEL AND SECURE OPERATIONS AS INSTRUCTED BY DRILLING FOREMAN AND REPORT TO BRIEFING AREA.

TAKING A KICK

WHEN TAKING A KICK DURING AN H₂S EMERGENCY, ALL PERSONNEL WILL FOLLOW STANDARD BOP PROCEDURES AFTER REPORTING TO BRIEFING AREA AND MASKING UP.

OPEN-HOLE LOGGING

ALL UNNECESSARY PERSONNEL OFF FLOOR. DRILLING FOREMAN AND SAFETY PERSONNEL SHOULD MONITOR CONDITION, ADVISE STATUS AND DETERMINE NEED FOR USE OF AID EQUIPMENT.

RUNNING CASING OR PLUGGING

FOLLOWING THE SAME "TRIPPING" PROCEDURE AS ABOVE. DRILLING FOREMAN AND SAFETY PERSONNEL SHOULD DETERMINE IF ALL PERSONNEL HAVE ACCESS TO PROTECTIVE EQUIPMENT.

H2S CONTINGENCY PLAN

IGNITION PROCEDURES

THE DECISION TO IGNITE THE WELL IS THE RESPONSIBILITY OF COMPANY FOREMAN. IN THE EVENT HE IS INCAPACITATED, IT BECOMES THE RESPONSIBILITY OF THE CONTRACT RIG TOOL PUSHER. THE DECISION SHOULD BE MADE ONLY AS A LAST RESORT AND IN A SITUATION WHERE IT IS CLEAR THAT:

1. HUMAN LIFE AND PROPERTY ARE ENDANGERED.
2. THERE IS NO HOPE CONTROLLING THE BLOWOUT UNDER THE PREVAILING CONDITIONS AT THE WELL.

NOTIFY THE DISTRICT OFFICE IF TIME PERMITS, BUT DO NOT DELAY IF HUMAN LIFE IS IN DANGER.

INITIATE FIRST PHASE OF EVACUATION PLAN.

IGNITION PROCEDURES

INSTRUCTIONS FOR IGNITING THE WELL

1. TWO PEOPLE ARE REQUIRED FOR THE ACTUAL IGNITING OPERATION. THEY MUST WEAR SELF-CONTAINED BREATHING UNITS AND HAVE SAFETY ROPE ATTACHED. ONE MAN (TOOL PUSHER OR SAFETY ENGINEER) WILL CHECK THE ATMOSPHERE FOR EXPLOSIVE GASES WITH THE EXPLOSIMETER. THE OTHER MAN (DRILLING FOREMAN) IS RESPONSIBLE FOR IGNITING THE WELL.
2. PRIMARY METHOD TO IGNITE: 25 MM FLARE GUN WITH RANGE OF APPROXIMATELY 500 FEET.
3. IGNITE UP WIND AND DO NOT APPROACH ANY CLOSER THAN IS WARRANTED.
4. SELECT THE IGNITION SITE BEST FOR PROTECTION, AND WHICH OFFERS AN EASY ESCAPE ROUTE.
5. BEFORE FIRING, CHECK FOR PRESENCE OF COMBUSTIBLE GAS.
6. AFTER LIGHTING, CONTINUE EMERGENCY ACTION AND PROCEDURE AS BEFORE.
7. ALL UNASSIGNED PERSONNEL WILL LIMIT THEIR ACTIONS TO THOSE DIRECTED BY THE DRILLING FOREMAN.

REMEMBER: AFTER WELL IS IGNITED, BURNING HYDROGEN SULFIDE WILL CONVERT TO SULFUR DIOXIDE, WHICH IS ALSO HIGHLY TOXIC. DO NOT ASSUME THE AREA IS SAFE AFTER THE WELL IS IGNITED.

H2S CONTINGENCY PLAN

TRAINING REQUIREMENTS

WHEN WORKING IN AN AREA WHERE HYDROGEN SULFIDE GAS (H₂S) MIGHT BE ENCOUNTERED, DEFINITE TRAINING REQUIREMENTS MUST BE CARRIED OUT. ALL COMPANIES WILL INSURE THAT ALL PERSONNEL AT THE WELL SITE WILL HAVE HAD ADEQUATE TRAINING IN THE FOLLOWING:

1. HAZARDS AND CHARACTERISTICS OF H₂S.
2. PHYSICAL EFFECTS OF HYDROGEN SULFIDE ON THE HUMAN BODY.
3. TOXICITY OF HYDROGEN SULFIDE AND SULFUR DIOXIDE.
4. H₂S DETECTION.
5. EMERGENCY RESCUE.
6. RESUSCITATORS.
7. FIRST AID AND ARTIFICIAL RESPIRATION.
8. EFFECTS OF H₂S ON METALS.
9. LOCATION SAFETY.

SERVICE COMPANY AND VISITING PERSONNEL

- A. EACH SERVICE COMPANY THAT WILL BE ON THIS WELL WILL BE NOTIFIED IF THE ZONE CONTAINS H₂S.
- B. EACH SERVICE COMPANY MUST PROVIDE FOR THE TRAINING AND EQUIPMENT OF THEIR EMPLOYEES BEFORE THEY ARRIVE AT THE WELL SITE.
- C. EACH SERVICE COMPANY WILL BE EXPECTED TO ATTEND A WELL SITE BRIEFING.

H2S CONTINGENCY PLAN

EMERGENCY EQUIPMENT REQUIREMENTS

1. SIGNS

- A. ONE SIGN LOCATED AT LOCATION ENTRANCE WITH THE FOLLOWING LANGUAGE:

(LEASE)
CAUTION – POTENTIAL POISON GAS
HYDROGEN SULFIDE
NO ADMITTANCE WITHOUT AUTHORIZATION

2. WIND SOCK – WIND STREAMERS

- A. ONE 36" (IN LENGTH) WIND SOCK LOCATED AT PROTECTION CENTER, AT HEIGHT VISIBLE FROM RIG FLOOR.
B. ONE 36" (IN LENGTH) WIND SOCK LOCATED AT HEIGHT VISIBLE FROM PIT AREAS.

3. HYDROGEN SULFIDE DETECTOR AND ALARMS

- A. H2S MONITORS WITH ALARMS WILL BE LOCATED ON THE RIG FLOOR, AT THE BELL NIPPLE, AND AT THE FLOW LINE. THESE MONITORS WILL BE SET TO ALARM AT 10 PPM WITH RED LIGHT, AND TO ALARM AT 15 PPM WITH RED LIGHT AND AUDIBLE ALARM.
B. HAND OPERATED DETECTORS WITH TUBES.
C. H2S MONITOR TESTER.

4. CONDITION FLAGS

- A. ONE EACH OF ORANGE, YELLOW, AND RED CONDITION FLAGS TO BE DISPLAYED TO DENOTE CONDITIONS.

GREEN – NORMAL CONDITIONS
YELLOW – POTENTIAL DANGER
RED – DANGER, H2S PRESENT

- B. CONDITION FLAG SHALL BE POSTED AT LOCATION SIGN ENTRANCE.

H2S CONTINGENCY PLAN

EMERGENCY EQUIPMENT REQUIREMENTS

5. AUXILIARY RESCUE EQUIPMENT

- A. STRETCHER
- B. 100' LENGTH OF 5/8" NYLON ROPE.

6. MUD INSPECTION DEVICES

GARRETT GAS TRAIN OR HACH TESTER FOR INSPECTION OF SULFIDE CONCENTRATION IN MUD SYSTEM.

7. FIRE EXTINGUISHER

ADEQUATE FIRE EXTINGUISHERS SHALL BE LOCATED AT STRATEGIC LOCATIONS.

8. BLOW OUT PREVENTION EQUIPMENT

THE WELL SHALL HAVE HYDRAULIC BOP EQUIPMENT FOR THE ANTICIPATED BHP OF 1500 PSI. EQUIPMENT IS TO BE TESTED ON INSTALLATION.

9. COMBUSTIBLE GAS DETECTOR

THERE SHALL BE ONE COMBUSTIBLE GAS DETECTOR ON LOCATION AT ALL TIMES.

10. BOP TESTING

BOP AND CHOKE LINE AND KILL LINE WILL BE TESTED.

11. AUDIO SYSTEM

RADIO COMMUNICATION WILL BE AVAILABLE AT THE RIG.

- A. RIG FLOOR OR TRAILER
- B. VEHICLE

12. SPECIAL CONTROL EQUIPMENT

- A. HYDRAULIC BOP EQUIPMENT WITH REMOTE CONTROL ON GROUND.
- B. ROTATING HEAD

H2S CONTINGENCY PLAN

EMERGENCY EQUIPMENT REQUIREMENTS

13. EVACUATION PLAN

EVACUATION ROUTES SHOULD BE ESTABLISHED PRIOR TO SPUDDING EACH WELL AND DISCUSSED WITH ALL RIG PERSONNEL.

14. DESIGNATED AREA

- A. PARKING AND VISITOR AREA: ALL VEHICLES ARE TO BE PARKED AT A PREDETERMINED SAFE DISTANCE FROM THE WELLHEAD. THIS WILL BE THE DESIGNATED SMOKING AREA.
- B. TWO BRIEFING AREAS ON EITHER SIDE OF THE LOCATION AT THE MAXIMUM ALLOWABLE DISTANCE FROM THE WELL BORE SO THEY OFFSET PREVAILING WINDS PERPENDICULARLY, OR AT A 45-DEGREE ANGLE IF WIND DIRECTION TENDS TO SHIFT IN THE AREA.
- C. PROTECTION CENTERS OR IF A MOVABLE TRAILER IS USED, IT SHOULD BE DEPT UPWIND OF EXISTING WINDS. WHEN WIND IS FROM THE PREVAILING DIRECTIONS, BOTH PROTECTION CENTERS SHOULD BE ACCESSIBLE.

H2S CONTINGENCY PLAN

STATUS CHECK LIST

NOTE: ALL ITEMS ON THIS LIST MUST BE COMPLETED BEFORE DRILLING TO PRODUCTION CASING POINT .

1. SIGN AT LOCATION ENTRANCE.
2. TWO (2) WIND SOCKS LOCATED AS REQUIRED.
3. TWO (2) 30-MINUTE PRESSURE DEMAND AIR PACKS ON LOCATION FOR ALL RIG PERSONNEL AND MUD LOGGERS.
4. AIR PACK INSPECTED FOR READY USE.
5. CASCADE SYSTEM AND HOSE LINE HOOK-UP.
6. CASCADE SYSTEM FOR REFILLING AIR BOTTLES.
7. SAFE BREATHING AREAS SET UP.
8. CONDITION FLAG ON LOCATION AND READY FOR USE.
9. H2S DETECTION SYSTEM HOOKED UP.
10. H2S ALARM SYSTEM HOOKED UP AND READY.
11. OXYGEN RESUSCITATOR ON LOCATION AND TESTED FOR USE.
12. STRETCHER ON LOCATION AT SAFETY TRAILER.
13. 1 – 100' LENGTH OF NYLON ROPE ON LOCATION.
14. ALL RIG CREW AND SUPERVISORS TRAINED AS REQUIRED.
15. ALL OUTSIDE SERVICE CONTRACTORS ADVISED OF POTENTIAL H2S HAZARD ON WELL.
16. NO SMOKING SIGN POSTED.
17. HAND OPERATED H2S DETECTOR WITH TUBES ON LOCATION.

CHECKED BY: _____ DATE: _____

H2S CONTINGENCY PLAN

PROCEDURAL CHECK LIST

PERFORM EACH TOUR:

1. CHECK FIRE EXTINGUISHERS TO SEE THAT THEY HAVE THE PROPER CHARGE.
2. CHECK BREATHING EQUIPMENT TO ENSURE THAT IT HAS NOT BEEN TAMPERED WITH.
3. MAKE SURE ALL THE H2S DETECTION SYSTEM IS OPERATIVE.

PERFORM EACH WEEK:

1. CHECK EACH PIECE OF BREATHING EQUIPMENT TO MAKE SURE THAT DEMAND REGULATOR IS WORKING. THIS REQUIRES THAT THE BOTTLE BE OPENED AND THE MASK ASSEMBLY BE PUT ON TIGHT ENOUGH SO THAT WHEN YOU INHALE, YOU RECEIVE AIR.
2. BLOW OUT PREVENTER SKILLS.
3. CHECK SUPPLY PRESSURE ON BOP ACCUMULATOR STAND BY SOURCE.
4. CHECK ALL SKA-PAC UNITS FOR OPERATION: DEMAND REGULATOR, ESCAPE BOTTLE AIR VOLUMES, SUPPLY BOTTLE OF AIR VOLUME.
5. CHECK BREATHING EQUIPMENT MASK ASSEMBLY TO SEE THAT STRAPS ARE LOOSENED AND TURNED BACK, READY TO PUT ON.
6. CHECK PRESSURE ON BREATHING EQUIPMENT AIR BOTTLES TO MAKE SURE THEY ARE CHARGED TO FULL VOLUME.
7. CONFIRM PRESSURE ON ALL SUPPLY AIR BOTTLES.
8. PERFORM BREATHING EQUIPMENT DRILLS WITH ON-SITE PERSONNEL.
9. CHECK THE FOLLOWING SUPPLIES FOR AVAILABILITY.
 - A. EMERGENCY TELEPHONE LIST.
 - B. HAND OPERATED H2S DETECTORS AND TUBES.

H2S CONTINGENCY PLAN

GENERAL EVACUATION PLAN

THE DIRECT LINES OF ACTION PREPARED BY INDIAN FIRE & SAFETY, INC. TO PROTECT THE PUBLIC FROM HAZARDOUS GAS SITUATIONS ARE AS FOLLOWS:

1. WHEN THE COMPANY APPROVED SUPERVISOR (DRILLING FOREMAN, CONSULTANT, RIG PUSHER, OR DRILLER) DETERMINES THE H2S GAS CANNOT BE LIMITED TO THE WELL LOCATION AND THE PUBLIC WILL BE INVOLVED, HE WILL ACTIVATE THE EVACUATION PLAN. ESCAPE ROUTES ARE NOTED ON AREA MAP.
2. "COMPANY MAN" OR DESIGNEE WILL NOTIFY LOCAL GOVERNMENT AGENCY THAT A HAZARDOUS CONDITION EXISTS AND EVACUATION NEEDS TO BE IMPLEMENTED.
3. COMPANY SAFETY PERSONNEL THAT HAVE BEEN TRAINED IN THE USE OF H2S DETECTION EQUIPMENT AND SELF-CONTAINED BREATHING EQUIPMENT WILL MONITOR H2S CONCENTRATIONS, WIND DIRECTIONS, AND AREA OF EXPOSURE. THEY WILL DELINEATE THE OUTER PERIMETER OF THE HAZARDOUS GAS AREA. EXTENSION TO THE EVACUATION AREA WILL BE DETERMINED FROM INFORMATION GATHERED.
4. LAW ENFORCEMENT PERSONNEL (STATE POLICE, POLICE DEPT., FIRE DEPT., AND SHERIFF'S DEPT.) WILL BE CALLED TO AID IN SETTING UP AND MAINTAINING ROAD BLOCKS. ALSO, THEY WILL AID IN EVACUATION OF THE PUBLIC IF NECESSARY.

IMPORTANT: LAW ENFORCEMENT PERSONNEL WILL NOT BE ASKED TO COME INTO A CONTAMINATED AREA. THEIR ASSISTANCE WILL BE LIMITED TO UNCONTAMINATED AREAS. CONSTANT RADIO CONTACT WILL BE MAINTAINED WITH THEM.

5. AFTER THE DISCHARGE OF GAS HAS BEEN CONTROLLED, COMPANY SAFETY PERSONNEL WILL DETERMINE WHEN THE AREA IS SAFE FOR RE-ENTRY.

H2S CONTINGENCY PLAN

EMERGENCY ACTIONS

WELL BLOWOUT – IF EMERGENCY

1. EVACUATE ALL PERSONNEL IF POSSIBLE.
2. IF SOUR GAS – EVACUATE RIG PERSONNEL.
3. IF SOUR GAS – EVACUATE PUBLIC WITHIN 3000 FT RADIUS OF EXPOSURE.
4. DON SCBA AND RESCUE.
5. CALL 911 FOR EMERGENCY HELP (FIRE DEPT AND AMBULANCE) AND NOTIFY SR. DRILLING FOREMAN AND DISTRICT FOREMAN.
6. GIVE FIRST AID.

PERSON DOWN LOCATION/FACILITY

1. IF IMMEDIATELY POSSIBLE, CONTACT 911. GIVE LOCATION AND WAIT FOR CONFIRMATION.
2. DON SCBA AND RESCUE.

EMERGENCY PHONE LIST
GOVERNMENTAL AGENCIES

<u>Eddy County Sheriff's Office</u>	911
Non emergency	575-746-9888
<u>Fire Departments</u>	911
Carlsbad – Non-emergency.....	575-885-2111
<u>BLM</u>	
Carlsbad	575-361-2822
<u>State Police Department</u>	911
Non-emergency	575-437-1313
<u>City of Carlsbad</u>	
.....	575-885-2111
<u>Ambulance</u>	911
Carlsbad – Non Emergency.....	575-885-2111
<u>Hospitals</u>	
Carlsbad	575-887-4121
<u>AEROCARE</u>	806-747-8923
<u>CHEMTREC</u>	1-800-424-9300
<u>OSHA</u>	
Lubbock TX	1-800-692-4204

EMERGENECY CONTACT LIST

NABORS WELL SERVICES CO.

District Office

432-683-5000

3300 N "A" Street, Bldg 2

Suite 200

Midland, Texas 79710

Carlsbad Area

3006 East Greene Street

Carlsbad, New Mexico 88220

575-885-3372

Hobbs Fishing Tools

3311 W. County Road

Hobbs, New Mexico 88241

Epi Esparza

Operations Manager

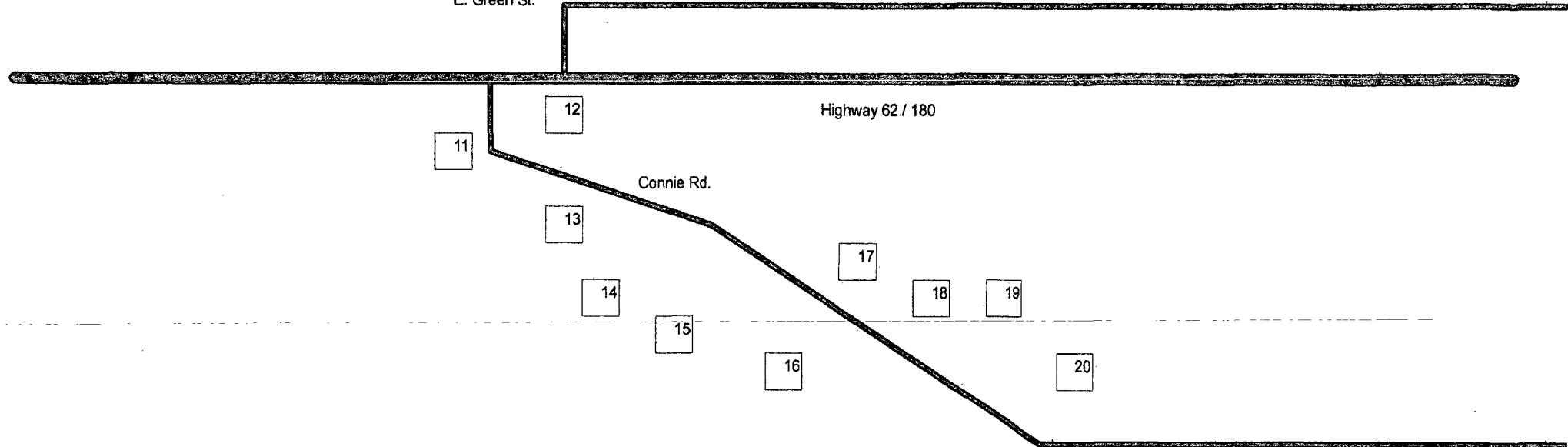
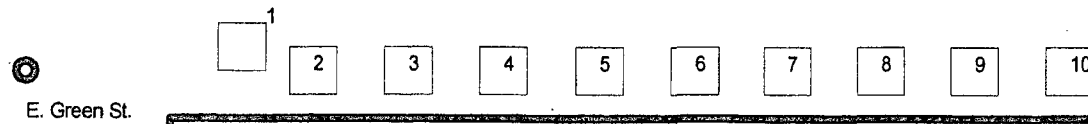
575-397-3144

Indian Fire & Safety, Inc.
3317 W. County Road
575-393-3093 - office
800-530-8693 – toll free
575-392-6274 – fax

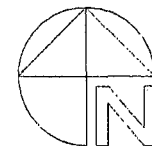
Personnel Contact List

	Cell Phone	Home Phone
Chris Spurgeon	575-631-3177	
Scott Dudenhoeffer	575-631-9753	575-392-4833
Sam Abney	575-631-9712	575-393-5427
Curtiss Newton	575-631-1255	575-393-3762
Joe Spurgeon	806-215-1087	806-592-0079

Railroad Tracks

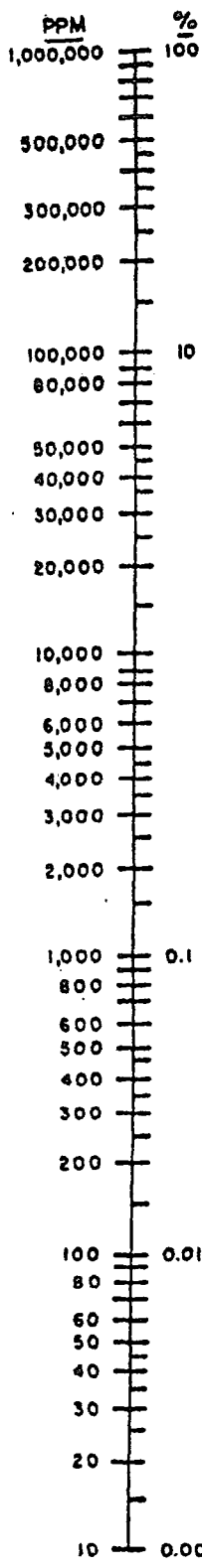


NABORS Completions & Productions Services
SWD # 1
Sec. 2, T-21S, R-27E
Eddy County, NM

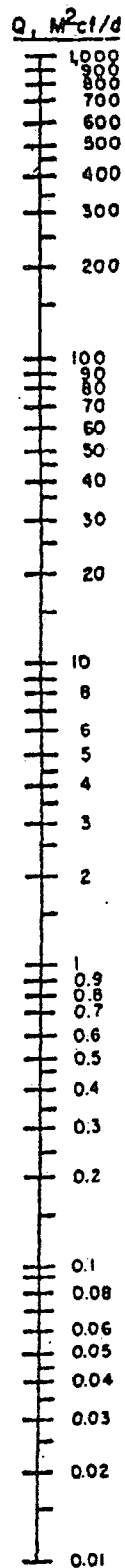
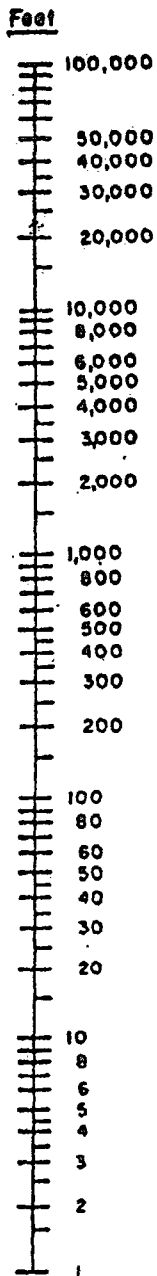


CARLSBAD, NEW MEXICO RESIDENTS

MAP #	LAST NAME	PHONE
1	Universal Boiler Works	575-234-1242
2	Nabors	
3	Enterprise Products	
	Operating Carlsbad	575-885-7212
	Pipeline District	575-885-7218
4	Cast Speciality Transportation	575-628-0468
5	BOPCO, Inc.	575-887-7329
6	Western Environmental	
	Management Corp. LTD	575-885-5709
7	Chevron USA	
8	Exterran	575-887-5258
9	Wagner Equipment Co	575-499-6799
10	Marks Crane & Rigging Co.	575-885-4264
11	Vacant	
12	Ballard & Sons Contractors	575-885-2490
13	Vacant	
14	Camper	
15	Vacant	
16	Gina Leija	575-706-3932
17	Betty & Gary Franklin	575-302-5625
18	Terry	
19	Beverly Hardaway	575-302-3741
20	Tom Phillips	575-302-5415



HYDROGEN SULFIDE 100 PPM EXPOSURE RADIUS



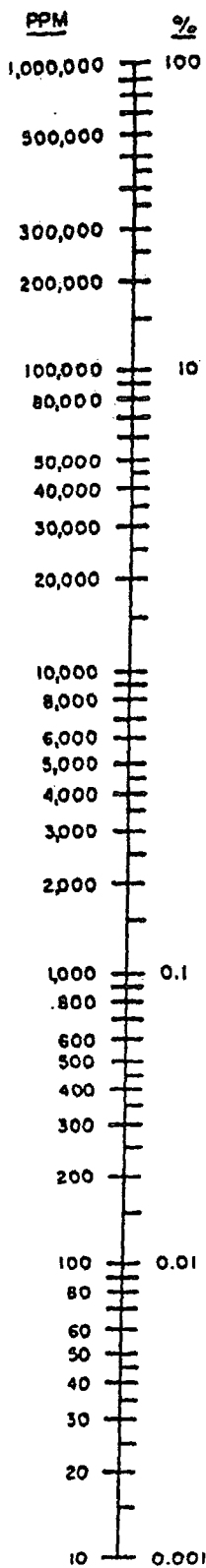
A1 X = 3000 Ft.
 Q = 226,547
 PPM

A1 X = 50 Ft.
 Q = 326.4
 PPM

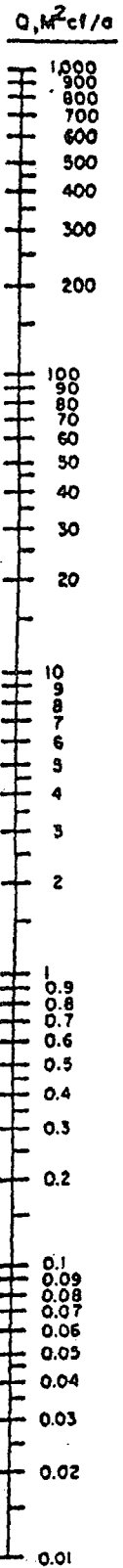
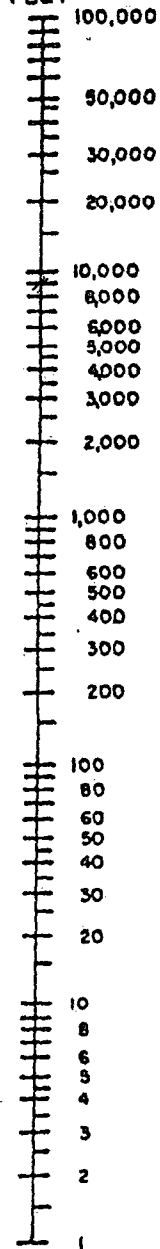
Below 100 PPM
 Rule 36 N.A.

$$\begin{aligned}
 &100 \text{ PPM Radius of Exposure in Feet} = X \\
 &X = [(1.589)(\text{Mole Fraction})(\text{Escape Rate})]^{0.6258} \\
 &= [(1.589)(\text{PPM})(Q \text{ in } M^2ct/d)]^{0.6258}
 \end{aligned}$$

P_b 14.65 psia T 60 °F



HYDROGEN SULFIDE 500 PPM EXPOSURE RADIUS FEET



At $X = 50 \text{ Ft.}$
 $Q = 1140.9$
PPM

500 PPM Radius of Exposure in Feet = X
 $X = [(0.4546)(\text{Mole Fraction})(\text{Escape Rate})]^{0.6258}$
 $X = [(0.4546)(\text{PPM} \times 10^6)(Q \times 10^6 \text{ cu. ft.})]^{0.6258}$
 Wind velocity = 1 mph; Plume is shape of H_2S dispersion.
 Pressure base 14.65 psia, $T_b = 60^\circ F$

H2S CONTINGENCY PLAN

TOXIC EFFECTS OF HYDROGEN SULFIDE

TABLE II
PHYSICAL EFFECTS OF HYDROGEN SULFIDE

<u>PERCENT (%)</u>	<u>PPM</u>	<u>CONCENTRATION</u> <u>GRAINS</u> <u>100 STD. FT3*</u>	<u>PHYSICAL EFFECTS</u>
0.001	<10	00.65	Obvious and unpleasant odor.
0.002	10	01.30	Safe for 8 hours of exposure.
0.010	100	06.48	Kill smell in 3 – 15 minutes. May sting eyes and throat.
0.020	200	12.96	Kills smell shortly; Stings eyes and throat.
0.050	500	32.96	Dizziness; Breathing ceases in a few minutes; Needs prompt artificial respiration.
0.070	700	45.36	Unconscious quickly; Death will result if not rescued promptly.
0.100	1000	64.30	Unconscious at once; Followed by death within minutes.

*AT 15.00 PSIA AND 60°F.

H2S CONTINGENCY PLAN

USE OF SELF-CONTAINED BREATHING EQUIPMENT

1. WRITTEN PROCEDURES SHALL BE PREPARED COVERING SAFE USE OF SCBA'S IN DANGEROUS ATMOSPHERE, WHICH MIGHT BE ENCOUNTERED IN NORMAL OPERATIONS OR IN EMERGENCIES. PERSONNEL SHALL BE FAMILIAR WITH THESE PROCEDURES AND THE AVAILABLE SCBA.
2. SCBA'S SHALL BE INSPECTED FREQUENTLY AT RANDOM TO INSURE THAT THEY ARE PROPERLY USED, CLEANED, AND MAINTAINED.
3. ANYONE WHO MAY USE THE SCBA'S SHALL BE TRAINED IN HOW TO INSURE PROPER FACE-PIECE TO FACE SEAL. THEY SHALL WEAR SCBA'S IN NORMAL AIR AND THEN WEAR THEM IN A TEST ATMOSPHERE. (NOTE: SUCH ITEMS AS FACIAL HAIR {BEARD OR SIDEBURNS} AND EYEGLASSES WILL NOT ALLOW PROPER SEAL.) ANYONE THAT MAY BE REASONABLY EXPECTED TO WEAR SCBA'S SHOULD HAVE THESE ITEMS REMOVED BEFORE ENTERING A TOXIC ATMOSPHERE. A SPECIAL MASK MUST BE OBTAINED FOR ANYONE WHO MUST WEAR EYEGLASSES OR CONTACT LENSES.
4. MAINTENANCE AND CARE OF SCBA'S:
 - A. A PROGRAM FOR MAINTENANCE AND CARE OF SCBA'S SHALL INCLUDE THE FOLLOWING:
 1. INSPECTION FOR DEFECTS, INCLUDING LEAK CHECKS.
 2. CLEANING AND DISINFECTING.
 3. REPAIR.
 4. STORAGE.
 - B. INSPECTION; SELF-CONTAINED BREATHING APPARATUS FOR EMERGENCY USE SHALL BE INSPECTED MONTHLY FOR THE FOLLOWING PERMANENT RECORDS KEPT OF THESE INSPECTIONS.
 1. FULLY CHARGED CYLINDERS.
 2. REGULATOR AND WARNING DEVICE OPERATION.
 3. CONDITION OF FACE PIECE AND CONNECTIONS.
 4. ELASTOMER OR RUBBER PARTS SHALL BE STRETCHED OR MASSAGED TO KEEP THEM PLIABLE AND PREVENT DETERIORATION.
 - C. ROUTINELY USED SCBA'S SHALL BE COLLECTED, CLEANED AND DISINFECTED AS FREQUENTLY AS NECESSARY TO INSURE PROPER PROTECTION IS PROVIDED.

H2S CONTINGENCY PLAN

USE OF SELF-CONTAINED BREATHING EQUIPMENT

5. PERSONS ASSIGNED TASKS THAT REQUIRES USE OF SELF-CONTAINED BREATHING EQUIPMENT SHALL BE CERTIFIED PHYSICALLY FIT FOR BREATHING EQUIPMENT USAGE BY THE LOCAL COMPANY PHYSICIAN AT LEAST ANNUALLY.
6. SCBA'S SHOULD BE WORN WHEN:
 - A. ANY EMPLOYEE WORKS NEAR THE TOP OR ON TOP OF ANY TANK UNLESS TEST REVEALS LESS THAN 10 PPM OF H2S.
 - B. WHEN BREAKING OUT ANY LINE WHERE H2S CAN REASONABLY BE EXPECTED.
 - C. WHEN SAMPLING AIR IN AREAS TO DETERMINE IF TOXIC CONCENTRATIONS OF H2S EXISTS.
 - D. WHEN WORKING IN AREAS WHERE OVER 10 PPM H2S HAS BEEN DETECTED.
 - E. AT ANY TIME THERE IS A DOUBT AS TO THE H2S LEVEL IN THE AREA TO BE ENTERED.

H2S CONTINGENCY PLAN

RESCUE FIRST AID FOR H2S POISONING

DO NOT PANIC!

REMAIN CALM – THINK!

1. HOLD YOUR BREATH. (DO NOT INHALE FIRST; STOP BREATHING.)
2. PUT ON BREATHING APPARATUS.
3. REMOVE VICTIM(S) TO FRESH AIR AS QUICKLY AS POSSIBLE. (GO UP-WIND FROM SOURCE OR AT RIGHT ANGLE TO THE WIND. NOT DOWN WIND.)
4. BRIEFLY APPLY CHEST PRESSURE – ARM LIFT METHOD OF ARTIFICIAL RESPIRATION TO CLEAN THE VICTIM'S LUNGS AND TO AVOID INHALING ANY TOXIC GAS DIRECTLY FROM THE VICTIM'S LUNGS.
5. PROVIDE FOR PROMPT TRANSPORTATION TO THE HOSPITAL, AND CONTINUE GIVING ARTIFICIAL RESPIRATION IF NEEDED.
6. HOSPITAL(S) OR MEDICAL FACILITIES NEED TO BE INFORMED, BEFORE-HAND, OF THE POSSIBILITY OF H2S GAS POISONING – NO MATTER HOW REMOTE THE POSSIBILITY IS.
7. NOTIFY EMERGENCY ROOM PERSONNEL THAT THE VICTIM(S) HAS BEEN EXPOSED TO H2S GAS.

BESIDES BASIC FIRST AID, EVERYONE ON LOCATION SHOULD HAVE A GOOD WORKING KNOWLEDGE OF ARTIFICIAL RESPIRATION, AS WELL AS FIRST AID FOR EYES AND SKIN CONTACT WITH LIQUID H2S. EVERYONE NEEDS TO MASTER THESE NECESSARY SKILLS.