Form Approved
OMB No. XXX

Exp. Date XX/XX/XXXX

Section 1 - Oil and Gas Work information						
1.01 In total, how long have you worked in the onshore oil and gas extraction industry?	Years: Months: 77. Prefer not to answer					
1.02 What best describes the activities of the company you currently work for?	 Creating geologic surveys, obtaining land rights, and owning and operating well sites Building roads or preparing well sites Well drilling Bringing wells into production, including hydraulic fracturing Performing other services to maintain well productivity Transporting supplies or fluids to or from well sites Other (please specify): 					
	77. Prefer not to answer 99. Don't know					
1.03 How long have you worked for your current company?	Years: Months: 77. Prefer not to answer					
1.04 How long have you worked in your current job at your current company?	Years: Months: 77. Prefer not to answer					
1.05 Please write your job title that best describes your current primary role.	Title:					
1.06 Do you fulfill any secondary roles in your current job?	1. Yes (go to 1.07) 2. No (go to 1.08)					
1.07 Please write the job title that describes your secondary role in your current job.	Title:					
1.08 Which of these reflect your day-to-day work schedule?	1. Normal business hours (For example, 8 A.M. to 5 P.M.) 2. Day shift greater than 8 hours (For example, 7 A.M. to 7 P.M.) 3. Evening/night shift (For example, 7 P.M. to 7 A.M.) 4. Switch between days and nights during the same 2-week rotation 5. Switch between days and nights from one 2-week rotation to the next 6. Some other schedule (please specify): 77. Prefer not to say					

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1.09 How many hours do you typically work in a day including overtime?	1. Hours: 77. Prefer not to say
1.10 How many days do you usually work in a row?	1 days 2. It varies 77. Prefer not to say
1.11 How many days do you usually have off in a row?	1 days 2. It varies 77. Prefer not to say
1.12 How many days per month do you typically work?	1 days 77. Prefer not to say

Section 2. Hearing loss, tinnitus (ringing or roaring	in ears), and testing		
2.01 Which statement best describes your hearing (without a hearing aid or other listening devices)? Deaf means hearing loss so severe in both ears that hearing aids are insufficient to allow you to understand what people are saying. Hearing Aid: A small electronic device that amplifies the sounds you hear. It is worn in or behind the ear to help you hear. Other Listening Devices: Other listening devices are any device you use to help you hear. They are also called assistive listening devices. These are: A pocket talker An amplified telephone An amplified or vibrating alarm clock A light signaler for your doorbell A TV headset Closed-captioned TV TTY (teletypewriter) TDD (telecommunications device for the deaf) A telephone relay service A video relay service A sign language interpreter	1. Excellent 2. Good 3. A little trouble 4. Moderate hearing trouble 5. A lot of trouble 6. Deaf 77. Prefer not to answer 99. Don't know		
2.02 How often does your hearing cause you to worry about your safety while working or doing other activities? Would you say	 Always Usually About half the time Seldom Never Prefer not to answer Don't know 		
These next questions refer to hearing without the use of a hearing aid or any other listening devices. If you have one ear that is better than the other, please answer the questions for the hearing in your better ear.	 Yes No Prefer not to answer Don't know 		
2.03 Can you usually hear and understand what a person says without seeing his or her face if that person whispers to you from across a quiet room?	If 1, go to 2.07 If 2, 77, or 99, go to 2.04		
2.04 Can you usually hear and understand what a person says without seeing his or her face if that person talks in a normal voice to you from across a quiet room?	 Yes No Prefer not to answer Don't know If 1, go to 2.07		
2.05 Can you usually hear and understand what a person says without seeing his or her face if that person shouts to you	If 2, 77 or 99, go to 2.05 1. Yes 2. No		

77. Prefer not to answer
99. Don't know
If 1, go to 2.07
If 2, 77 or 99, go to 2.06
1. Yes
2. No
77. Prefer not to answer
99. Don't know
1. Always
2. Usually
3. About half the time
4. Seldom
5. Never
77. Prefer not to answer
99. Don't know
1. Always
2. Usually
3. About half the time
4. Seldom
5. Never
77. Prefer not to answer
99. Don't know
1. Yes
2. No
77. Prefer not to answer
99. Don't know
1. Yes 2. No
77. Prefer not to answer
99. Don't know
Less than a year ago
2. 1 year to 4 years ago
3. 5 to 9 years ago
4. 10 or more years ago
5. Never
77. Prefer not to answer
99. Don't know
1. Yes
2. No
77. Prefer not to answer
99. Don't know
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If 1, go to 2.13
If 2, 77, or 99, go to 2.15

	1 A bearing aid			
2.13 Which was it? (select all that apply)	1. A hearing aid			
	2. A cochlear implant			
	77. Prefer not to answer			
	99. Don't know			
	If 1, go to 2.14			
	If 2, 77, 99, go to 2.15			
2.14 In the past 12 months, how often have you worn a	1. Always			
hearing aid?	2. Usually 3. About half the time			
ng aid:				
	4. Seldom			
	5. Never			
	77. Prefer not to answer			
	99. Don't know			
0.45	1. Yes			
2.15 Have you ever used assistive listening devices (ALDs),	2. No			
such as FM systems, closed-captioned television, amplified	77. Prefer not to answer			
telephone, relay services, or a sign-language interpreter?				
	99. Don't know			
Assistive Listening Devices: These are any device you use to help				
you hear. Other examples include:				
• TTY (teletypewriter) or TDD (telecommunications device				
for the deaf)				
A pocket talker				
An amplified or vibrating alarm clock				
A light signaler for your doorbell				
A TV headset				
	1. Yes			
2.16 In the past 12 months, have you been bothered by	2. No			
ringing, roaring, or buzzing in your ears or head that lasts for 5	77. Prefer not to answer			
minutes or more?	99. Don't know			
	77. DOILL KHOW			
Tinnitus (tin-uh-tus) is the medical term for ringing, roaring or	If 1, go to 2.17			
buzzing in the ears or head.	If 2, 77, or 99, go to 3.01			
	1. Less than 3 months			
2.17 How long have you been bothered by this ringing,				
roaring, or buzzing in your ears or head?	2. 3 months to a year			
	3. 1 to 4 years			
	4. 5 to 9 years			
	5. 10 or more years			
	77. Prefer not to answer			
	99. Don't know			
2.18 In the past 12 months, how often have you had this	1. Almost always			
ringing, roaring, or buzzing in your ears or head? Would you	2. At least once a day3. At least once a week			
Say				
	4. At least once a month			
	5. Less frequently than once a month			
	77. Prefer not to answer			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

2.19 Are you bothered by ringing, roaring, or buzzing in your ears or head only after listening to loud sounds or loud music?	1. Yes 2. No 77. Prefer not to answer 99. Don't know
2.20 Are you bothered by ringing, roaring, or buzzing in your ears or head when going to sleep?	1. Yes 2. No 77. Prefer not to answer 99. Don't know
2.21 How much of a problem is this ringing, roaring, or buzzing in your ears or head? Would you say	 No problem A small problem A moderate problem A big problem A very big problem Prefer not to answer Don't know

Section 3. Noise exposures and hearing protection at work	1. Yes			
3.01 Have you ever had a job, or combination of jobs where you were exposed to <u>LOUD</u> sounds or noise for 4 or more hours a day, several days a week?	2. No 77. Prefer not to answer 99. Don't know			
LOUD means so loud that you must speak in a raised voice to be heard.	If 1, go to 3.02 If 2, 77, or 99, go to 3.14			
3.02 For those jobs, is it your current job, past jobs, or both where you were exposed to <u>LOUD</u> noise for 4 or more hours a day, several days a week?	 Current job Past jobs Both current and past jobs Prefer not to answer Don't know 			
LOUD means so loud that you must speak in a raised voice to be heard.				
3.03 For how many months or years have you been exposed at work to <u>LOUD</u> sounds or noise for 4 or more hours a day, several days a week?	 Less than 3 months 3 to 11 months 1 to 2 years 			
Help text: (<u>LOUD</u> means so loud that you must speak in a raised voice to be heard.)	4. 3 to 4 years5. 5 to 9 years6. 10 to 14 years7. 15 or more years77. Prefer not to answer99. Don't know			
3.04 DURING THE PAST 12 MONTHS, how often did you wear hearing protection, such as ear plugs or earmuffs, when exposed to <u>LOUD</u> sounds or noise at work? Would you say	 Always Usually About half the time Seldom 			
LOUD means so loud that you must speak in a raised voice to be heard.	5. Never 77. Prefer not to answer 99. Don't know			
3.05 In your work were you exposed to <u>VERY LOUD</u> noise?	1. Yes 2. No			
<u>VERY LOUD</u> noise is noise that is so loud you have to shout in order to be understood by someone standing 3 feet away from you when not using hearing protection.	77. Prefer not to answer 99. Don't know			
	If 1, go to 3.06 If 2, 77, or 99, go to 3.08			
3.06 What is the total number of months or years for all jobs where this has happened?	1. Less than 3 months 2. 3 to 11 months 3. 1 to 2 years 4. 3 to 4 years 5. 5 to 9 years 6. 10 to 14 years			
	7. 15 or more years 77. Prefer not to answer 99. Don't know			
3.07 DURING THE PAST 12 MONTHS, how often did you wear hearing	1. Always 2. Usually			

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protection, such as ear plugs or earmuffs, when exposed to <u>VERY LOUD</u>	3. About half the time
sounds or noise at work? Would you say	4. Seldom
	5. Never
<u>VERY LOUD</u> noise is noise that is so loud you have to shout in order to be	77. Prefer not to answer
understood by someone standing 3 feet away from you when not using hearing protection.	99. Don't know
	If 1, 2, 3, 4, go to 3.08
	If 5, 77, 99, go to 3.09
3.08 When you use hearing protection, what kind(s) do you most often	1. Ear plugs
	2. Earmuffs
use?	3. Ear plugs and earmuffs at
	the same time
	4. Switch off plugs and muffs
	5. Other:
	77. Prefer not to answer
	99. Don't know
2.00-	1. Yes
3.09 Does your employer provide you with hearing protection?	2. No
	77. Prefer not to answer
	99. Don't know
	77. DOITE KITOW
3.10 Have you been provided training about how to wear earplugs or	1. Yes
earmuffs?	2. No
calliulis:	77. Prefer not to answer
	99. Don't know
	If 1, go to 3.11
	If 2, 77, 99, go to 3.12
3.11 What type of training was it? (Choose all that apply)	1. Written brochure
3.11 What type of training was it: (Choose all that apply)	2. Verbal training
	3. Video-based training
	4. Computer-based training
	5. Individualized training
	6. Other:
	77. Prefer not to answer
	99. Don't know
3.12 Were you ever fit tested with the hearing protectors you typically	1. Yes
THE TIOLS YOU STOLEN TO LOSICUL WITH THE HEALTH'S PROTECTORS YOU LYPICALLY	2. No
	1
	77. Prefer not to answer
wear?	77. Prefer not to answer 99. Don't Know
wear? Help text: Fit testing is a method of making sure you are getting enough sound	
wear? Help text: Fit testing is a method of making sure you are getting enough sound reduction from your hearing protection. It usually involved taking a hearing	
wear? Help text: Fit testing is a method of making sure you are getting enough sound	

3.13 Indicate your level of agreement for each of the following statements about the use of hearing protection (for example, ear plugs) when exposed to noise at work. Please read each statement very carefully.

Caren		Strongly	Somewha	Neither	Somewha	Strongly	Prefer not
		Agree	t Agree	Agree nor Disagree	t Disagree	Disagree	to answer
а.	Wearing hearing protection makes it very hard to talk to people.						
b.	It takes too much time to use hearing protection.						
c.	Wearing hearing protection is unsafe because it blocks out danger signals.						
d.	Hearing protectors are too uncomfortable for me to wear.						
e.	Preventing hearing loss is very important to me.						
f.	Wearing hearing protection protects me against hearing loss from noise.						
g.	Wearing hearing protection can make it easier for me to hear machinery or talk to coworkers.						

3.14 Indicate your level of agreement for each of the following statements about the use of hearing protection (for example, ear plugs) when exposed to noise at work. Please read each statement very carefully.

		Strongly Agree	Somewha t Agree	Neither Agree nor	Somewha t Disagree	Strongly Disagree	Prefer not to answer
				Disagree			
a.	I can tell when I need to wear my hearing protection.						
b.	I know how to wear my hearing protection correctly.						
c.	I am sure I can ask for help if I have a hard time wearing protection.						

d.	My hearing will not be affected by noise, even if I don't wear hearing protection.			
e.	I believe exposure to loud noise can hurt my			
	hearing.			
f.	It would be harder for me to understand what people say if I lost some of my hearing.			
g.	It wouldn't be a big problem for me if I lost some of my hearing.			

3.15 Indicate your level of agreement for each of the following statements about the use of hearing protection (for example, ear plugs) when exposed to noise at work. Please read each statement very carefully.

		Strongly Agree	Somewha t Agree	Neither Agree nor Disagree	Somewha t Disagree	Strongly Disagree	Prefer not to answer
а.	Other workers at this site wear hearing protection when it's noisy.						
b.	Other workers at this site remind me when I need to wear hearing protectors.						
c.	Other workers at this site make fun of me when I wear hearing protection.						
d.	It is easy for me to get hearing protectors at this site.						
e.	I can choose from several types of hearing protectors at this site.						
f.	My supervisor thinks I need to wear hearing protection, even when my noise exposure is short.						

3.16 Please indicate if the following locations or activities at oil and gas extraction worksites are usually LOUD		Loud	Very Loud	Neither loud nor very	Don't know	Prefer not to answer
or VERY LOUD. As a reminder: LOUD means so loud that you must speak in a raised voice to be heard by someone three feet away when not using hearing protection. VERY LOUD noise is noise that is so loud you have to shout in order to be understood by someone standing 3 feet away from you when not using hearing protection.	1. Construction and site preparation 2. Drilling 3. Hydraulic fracturing 4. Generators 5. Pumps 6. Well-site compressors and compressor stations 7. Engines and motors 8. Pump trucks and vac trucks 9. Flaring and venting 10. Truck traffic 11. Other(s):			loud		
	12. Other(s):					
3.17 At your current job, has your employer done the following?						
a. Provided training on noise and how it can affect your hearing	1. Yes 2. No 77. Prefer not to answer 99. Don't Know					
b. Provided hearing protection for use in noisy areas	1. Yes 2. No 77. Prefer not to answer 99. Don't Know					
c. Tested your hearing after you started at the job	1. Yes 2. No 77. Prefer not to answer 99. Don't Know					
d. Measured noise levels in your work area	1. Yes 2. No 77. Prefer not to answer 99. Don't Know					
e. Given you the results of the noise measurements for your job	1. Yes 2. No 77. Prefer not to answer 99. Don't Know					
f. Taken action to reduce the	1. Yes					

noise levels		
Section 4. Exposures and hearing	g protection outside of wo	rk
4.01 Outside of work, have you breath or more hours a week to any of the followatch lacquers, industrial glues, heavy metals, exhaust?" Pop-up: Solvents are liquids, not including substances, such as dry-cleaning fluids, the industrial cleaners, and paint removers. In include acrylic, epoxy, hot melt, polyurethe industrial sealants. Heavy metals include a dryen, chromium, zinc and copper.	wing: solvents, thinners, paints, pesticides, or motor engine water, used for dissolving other inners, components of paints, adustrial glues are adhesives that ane, silicone, thermoset and	1. Yes 2. No 77. Prefer not to answer 99. Don't know
4.02 This next question is about your used have used for target shooting, hunting, for service. Have you ever used firearms for Pop-up: Firearms include pistols, shotguns Do not include BB or pellet guns.	or your job, or in military any reason?	1. Yes 2. No 77. Prefer not to answer 99. Don't know If 1, go to 4.03
4.03 How many rounds have you ever t	fired?	1. 1 to less than 100 rounds 2. 100 to less than 1000 rounds
Pop-up: One round equals one shot. Including job, and military service.	de target shooting, hunting, your	 3. 1000 to less than 10,000 rounds 4. 10,000 to less than 50,000 rounds 5. 50,000 rounds or more 77. Prefer not to answer 99. Don't know
4.04 How often did you wear hearing pearmuffs) when shooting firearms?	rotection devices (ear plugs,	1. Always 2. Usually 3. About half the time 4. Seldom 5. Never 77. Prefer not to answer 99. Don't know
4.05 Outside of a job, have you ever be or music for 10 or more hours a week? To shout to be understood or heard 3 feet power tools, lawn mowers, farm machine motorboats, or loud music such as at contract.	his is noise so loud that you have t away. Examples are noise from ery, cars, trucks, motorcycles,	1. Yes 2. No 77. Prefer not to answer 99. Don't know

4.06 In the past 12 months, how often did you wear hearing protection devices (ear plugs, earmuffs) when exposed to very loud sounds or noise outside of work? {Do not include the noise from firearms we already talked about.}	 Always Usually About half the time Seldom Never No noise exposure past 12 months Prefer not to answer Don't know

Section 5 - Chemical exposures at work		
5.01 Some substances may be harmful to your hearing. DURING THE PAST 12 MONTHS, did you work in a job where you breathed in or had skin contact for 4 or more hours a week to any of the following: solvents, thinners, parts cleaners, degreaser, paints, lacquers, industrial glues, heavy metals, pesticides, or motor engine exhaust?"	1. Yes 2. No 77. Prefer not to answer 99. Don't know	
Pop-up: Solvents are liquids, not including water, used for dissolving other substances, such as dry cleaning fluids, thinners, components of paints, industrial cleaners and paint removers. Industrial glues are adhesives that include acrylic, epoxy, hot melt, polyurethane, silicone, thermoset and industrial sealants. Heavy metals include lead, nickel, mercury, cadmium, arsenic, chromium, zinc, and copper.		
5.02 DURING THE PAST 12 MONTHS, did you work in a job where you breathed in tobacco smoke from other people for 4 or more hours a week?"	1 Yes 2. No 77. Prefer not to answer 99. Don't know	
Tobacco smoke includes cigarette and cigar smoke.		
5.03 DURING THE PAST 12 MONTHS at work, did you breathe in or have skin contact with (at any time) the following chemicals or substances:		
a. Drilling Mud	1. Yes 2. No 99. Don't know	
If yes, how often?	 Multiple times per day Once per day Two or more times per week Once a week Once a month or less Don't Know 	
b. Fracking Fluid or chemicals that are used in fracking fluids	1. Yes 2. No 99. Don't know	
If yes, how often?	1. Multiple times per day 2. Once per day 3. Two or more times per week 4. Once a week 5. Once a month or less	
c. Flowback Fluids	99. Don't Know 1. Yes 2. No 99. Don't know	

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If yes, how often?	1. Multiple times per day
	2. Once per day
	3. Two or more times per week
	4. Once a week
	5. Once a month or less
	99. Don't Know
d. Crude Oil	1. Yes
	2. No
	99. Don't know
If yes, how often?	1. Multiple times per day
	2. Once per day
	3. Two or more times per week
	4. Once a week
	5. Once a month or less
	99. Don't Know
e. Production fluids	1. Yes
	2. No
	99. Don't know
If yes, how often?	1. Multiple times per day
, ,	2. Once per day
	3. Two or more times per week
	4. Once a week
	5. Once a month or less
	99. Don't Know
f. Hydrocarbon gases and vapors (from production tanks, trucks,	1. Yes
drilling, mud tanks/pits, fluid transfer lines, drip pots, etc.)	2. No
	99. Don't know
If yes, how often?	1. Multiple times per day
	2. Once per day
	3. Two or more times per week
	4. Once a week
	5. Once a month or less
	99. Don't Know
g. Hydrogen sulfide (H ₂ S)	1. Yes
	2. No
	99. Don't know
If yes, how often?	Multiple times per day
11 700, 110 11 0110111	2. Once per day
	3. Two or more times per week
	4. Once a week
	5. Once a month or less
h. Pipe dopes, and greases used for making threaded connections	99. Don't Know
n uine dones and greases used for making threaded connections	1. Yes

Section 6 - Personal information	
6.01 What is your age?	1. Age: 77. Prefer not to answer
6.02 What is your gender?	1. Male 2. Female 3. Other gender: 77. Prefer not to answer 1. Yes
6.03 Do you consider yourself to be Hispanic or Latino?	2. No 77. Prefer not to answer
6.04 What race or races do you consider yourself to be? (check all that apply)	 White Black/African American Native American Alaska Native Native Hawaiian Other Pacific Islander Asian Some other race Prefer not to answer
6.05. What is the highest level of education you have completed?	 8th grade or less 9th-12th grade (no diploma) GED or equivalent High school graduate (diploma) Some college (no degree) Associate degree Bachelor's degree or higher Prefer not to answer
6.06 Have you ever served on active duty in the U. S. Armed Forces, military Reserves, or National Guard? Pop-up: Active duty does not include training for the Reserves or National Guard, but does include activation, for services in the U.S. or in a foreign country, in support of military or humanitarian operations Pop-up: Armed Forces: Non-civilian members of any of the armed services of the federal government (Army, Navy, Air Force, Coast Guard, Marines)	1. Yes 2. No 77. Prefer not to answer 99. Don't Know
6.07 What state do you currently work in?	1 (Drop down menu of states) 77. Prefer not to answer
6.08 Were you born in the United States or a U.S. territory?	1. Yes

	2. No
	77. Prefer not to answer
/ 00	1. Yes
6.09 Do you speak a language other than English at home?	2. No
	77. Prefer not to answer
	77. Freier flot to allswei
	If 1, go to 6.10
	If 2 or 77, go to 6.12
/ 40	1.
6.10 What language do you speak at home?	77. Prefer not to answer
£ 44	1. Very well
6.11 How well do you speak English?	2. Well
	3. Not well
	4. Not at all
4.10	1. Yes
6.12 Have you smoked at least 100 cigarettes in your ENTIRE LIFE?	2. No
	77. Prefer not to answer
	99. Don't Know
/ 40-	1. Every Day
6.13 Do you NOW smoke cigarettes every day, some days or not at	2. Some Days
all?	3. Not at All
	77. Prefer not to answer
	99. Don't Know
6.14 Have you ever used smokeless tobacco products EVEN ONE	1. Yes
TIME?	2. No
	77. Prefer not to answer
Smokeless tobacco products are placed in the mouth or nose and can	99. Don't Know
include chewing tobacco, snuff, dip, snus (SNOOSE), or dissolvable	
tobacco.	
6 15 Da way NOW year amplialoss to be accommediate assemble assembles.	1. Every Day
6.15 Do you NOW use smokeless tobacco products every day, some	2. Some Days
days, or not at all?	3. Not at All
	77. Prefer not to answer
Smokeless tobacco products are placed in the mouth or nose and can	99. Don't Know
include chewing tobacco, snuff, dip, snus (SNOOSE), or dissolvable	77. Boll Citiow
tobacco.	
6.16 Have you ever taken "mycin" antibiotics (such as streptomycin,	1. Yes
gentamycin, or neomycin) for 2 weeks or longer?	2. No
, , ,,, =	77. Prefer not to answer
	99. Don't Know

6.17 Have you ever taken any Chemotherapy drugs (such as cisplatin or carboplatin) for 2 weeks or longer?	1. Yes 2. No 77. Prefer not to answer 99. Don't Know
6.18 Have you ever taken water loss medicines, also called diuretics (such as Edecrin [ethacrynic acid] or Lasix [furosemide]) for 1 month or longer?	1. Yes 2. No 77. Prefer not to answer 99. Don't Know
6.19 Have you ever taken any Antimalarial drugs (such as quinine, chloroquine, or hydroxychloroquine) for 1 month or longer?	1. Yes 2. No 77. Prefer not to answer 99. Don't Know
6.20 Have you ever taken aspirin for 1 month or longer?	1. Yes 2. No 77. Prefer not to answer 99. Don't Know