

## JOB SAFETY ANALYSIS

### WITH EMPHASIS ON SURVEYING ACTIVITIES

AWARENESS POINTS AND TYPICAL HAZARD MITIGATION AND ELIMINATION STEPS:

DRIVING TO FIELD	STAY ALERT SEAT BELT USE EYES ON THE ROAD NO CELL PHONES WHILE DRIVING (ENCANA RULE) AVOID HAZARDOUS ROADS (DUE TO TERRAIN OR WEATHER)
DRIVING WITHIN FIELD	ALL OF ABOVE INCLUDING: OBEY POSTED SPEEDS WATCH OUT FOR HEAVY TRUCKS/EQUIP. ON ROADS RESTRICT OVERLAND TRAVEL WHEN MUDDY AVOID HAZARDOUS DRAINAGE/WATERWAY CROSSINGS
WORKING ON UNEVEN SURFACES	PROPER FOOTWEAR STAY ALERT TO CHANGE IN TERRAIN DO NOT OVERLOAD YOURSELF WITH WHAT YOU CARRY SLOW DOWN ENSURE PROPER FOOTING IF CLIMBING STAIRCASES TO TANKS USE 3 PTS OF CONTACT AT ALL TIMES WATCH FOOTING ON SURFACES CONTAINING ANIMAL DROPPINGS
WORKING FROM AND AROUND VEHICLES	BE CAREFUL ENTERING AND EXITING IN HIGH WINDS PROPER USE OF PARKING BRAKE MAINTAIN VEHICLE BRAKES DO NOT LEAN EQUIPT AGAINST TRUCK OR PLACE EQUIPT. UNDER WHEEL LINE OF TRAVEL BE CAREFUL WHEN CLIMBING INTO/OUT OF TRUCK BEDS DO NOT PARK NEAR UTILITY APPURTENANCES PERFORM "SAFETY CIRCLE WALK AROUND" TO PREVENT RUNNING OVER UTILITY APPURTENANCES (I.E. PHONE PEDS, VALVE SETS, ANCHORS)
WORKING AROUND MACHINERY	MAINTAIN HIGH VISIBILITY (VESTS) MAKE SURE OPERATOR KNOWS YOU ARE THERE STAY IN LINE OF SIGHT OF OPERATOR AVOID WORKING AROUND MOVING MACHINERY IF POSSIBLE REPORT MISSING OR DAMAGED SAFETY EQUIPT. (I.E. AROUND PUMP JACKS, COMPRESSORS ETC.)
WORKING WITH HAND TOOLS	WEAR SAFETY GLASSES USE TOOL AS IT WAS INTENDED WEAR PROTECTIVE GLOVES REPAIR OR REPLACE DAMAGED HAND TOOLS AVOID BEING IN LINE OF RECOIL OF LEVERAGE TOOLS OR HAVING BODY PARTS IN LINE OF TRAVEL OF STRIKING TOOLS
FENCE CROSSINGS	USE GATES IF POSSIBLE USE STEP ASSIST TOOL IF AVAILABLE DO NOT CROSS FENCE WITH HEAVY LOAD CAREFUL OF BARBED WIRE ON MAN PARTS HAVE BUDDY ASSIST WITH FENCE CROSSINGS IF POSSIBLE
WATERWAY CROSSINGS	SEE DRIVING WITHIN FIELD &.... WHEN ON FOOT CROSS AT SAFEST PLACE IF YOU FEEL AT DANGER DO NOT CROSS WATERWAY DO NOT ENTER DEEP WATER OR FAST CURRENT STAY OUT OF WATER DURING COLD WEATHER (HYPOTHERMIA) SOMETIMES IT IS SAFER TO WADE IT THAN JUMP IT
ATV USAGE	WEAR A HELMET AVOID BECOMING SIDEHILLED DO NOT ATTEMPT OVERLY STEEP CLIMBING OR DESCENDING (USUALLY THERE IS ANOTHER WAY THERE!) KEEP ATV MAINTAINED AVOID HAVING SHARP OBJECTS PROTRUDING FROM VEHICLE USE EXTREME CARE IN LOADING AND UNLOADING SECURE ATV TO TRAILER/VEHICLE SECURELY

<p>FLAMMABLE ATMOSPHERE</p>	<p>NO SMOKING          AVOID FLAMMABLE ATMOSPHERES          DO NOT PARK VEHICLE NEAR PIPELINE VALVES          DO NOT IDLE VEHICLE NEAR PIPELINE VALVES          OUR TOOLS ARE NOT MEANT FOR HIGHLY FLAMMABLE ATMOSPHERES SO DO NOT WORK IN AREAS WHICH REQUIRE SPECIAL NON-SPARKING TOOLS          SUSPEND WORK IF AREA SEEMS UNSAFE-USE YOUR DISCRETION</p>
<p>WILDLIFE, PLANTS AND INSECTS</p>	<p>CARRY FIRST AID SUPPLIES          CARRY AND USE BUG REPELLANT          BE AWARE OF THE PRESENCE AND DANGERS OF RATTLESNAKES, TICKS, MOSQUITOS, CACTUS AND OTHER PLANT AND ANIMAL HAZARDS          BE CAUTIOUS OF AREAS KNOWN TO CONTAIN PLANT AND ANIMAL HAZARDS AND ALSO OF THE TIME OF YEAR THEY ARE MOST ABUNDANT          SUSPEND WORK AND SEEK MEDICAL TREATMENT IF NECESSARY</p>
<p>WORKING IN WARM/HOT WEATHER</p>	<p>AVOID DEHYDRATION: REST AND DRINK FLUIDS FREQUENTLY          AVOID SUN EXPOSURE: PROPER CLOTHING AND SUNSCREEN          BE AWARE THAT EXPOSED METAL SURFACES CAN BE VERY HOT          WEAR LIGHT COLORED CLOTHING AND LIGHTWEIGHT FABRICS WHEN POSSIBLE, AND WEAR A HAT          SUSPEND WORK WHEN LIGHTNING STORMS APPROACH: USE 30/30 PROCEDURE          TAKE COVER WHEN LIGHTNING OR POTENTIAL HAIL STORMS APPROACH          DO NOT OVEREXERT YOURSELF          WATCH OUT FOR OTHERS          SUSPEND WORK IF NECESSARY</p>
<p>WORKING IN COLD WEATHER</p>	<p>AVOID HYPOTHERMIC CONDITIONS: STAY DRY, WEAR CLOTHING THAT WICKS AWAY MOISTURE WHEN EXERTING YOURSELF          BE AWARE OF THE DANGERS OF WIND CHILL          WEAR CLOTHING SUITABLE TO THE CONDITIONS AND THE WORK          BE AWARE OF THE HAZARDS OF SUNBURN ON SUNNY WINTER DAYS          REST AND WARM YOURSELF FREQUENTLY          DO NOT OVEREXERT YOURSELF          WATCH OUT FOR OTHERS          SUSPEND WORK IF NECESSARY</p>
<p>WORKING IN AREAS OF POOR OUTSIDE COMMUNICATION</p>	<p>MAKE SURE SOMEONE KNOWS WHERE YOU ARE WORKING AND WHEN TO EXPECT YOU BACK          DO NOT STAY LATE-TRY TO BE BACK WHEN EXPECTED          MAKE SURE CELL PHONE IS CHARGED AND HAVE EXTERNAL ANTENNA          BE AWARE OF YOUR LOCATION SO YOU CAN NOTIFY OTHERS HOW TO FIND YOU (HAVE AND BE KNOWLEDGEABLE OF GPS) IF YOU CAN CALL USING A CELL PHONE          TAKE MEASURES TO SUMMON EMERGENCY HELP SUCH AS USING "SPOT" GPS LOCATOR          CARRY FIRST AID EQUIPMENT          CARRY EMERGENCY FOOD AND WATER          BE ESPECIALLY CAREFUL OF YOUR OWN WELL BEING BECAUSE YOU MAY HAVE TO GET YOURSELF TO SAFETY          AVOID LEAVING A STUCK VEHICLE AS IT PROVIDES SHELTER AND IS EASIER TO SPOT THAN A PERSON</p>