

# Oxy Operations Summary

| Well:       | HANKINS 1                 |         |               | Spud Date:   |            |
|-------------|---------------------------|---------|---------------|--|------------|
| Project:    | COLORADO-WELD-NAD83-UTM13 |         |               | Site:  | HANKINS 1  |
| Event:      | ABANDONMENT               |         |               | Rig Name:  | ENSIGN 122 |
| Start Date: | 3/18/23                   |         |               | End Date:  | 6/2/23     |
| Datum:      | Ground Level @ 5011       |         |               | Well UWI:  | HANKINS 1  |
| Report Date | Time From                 | Time To | Duration (hr) | Operation  |            |
| 3/15/23     | 7:00                      | 17:00   | 10            | LONE TREE SERVICES CALLED IN 811 LOCATES. USE BACKHOE TO EXCAVATE TO LOCATE WELL, EXCAVATE BELL HOLE FOR WELDER. BWI CUT, GRIND, WELD 8-5/8" SURFACE CASING TO SURFACE. BACKHOE SET CELLAR, BACKFILL AND LEVEL AND INSTALL A STRING FENCE.   |            |
| 3/18/23     | 6:00                      | 6:30    | 0.50          | HELD PRE-JOB SAFETY MEETING WITH RIG CREW, WELLCONTROL, PROPER COMMUNICATION DURING WELLCONTROL, PROPER HOUSE KEEPING, OVER HEAD LOADS, PROPER RED ZONE FOR WORK AREA, WORKING AS A TEAM WITH ALL THE HAZARDS AROUND, WENT OVER OXY EXPECTATIONS, GOOD COMMUNICATION. MAKE SURE WE INP RIG THOROUGHLY. DISCUSSED POTENTIAL HAZARDS WITH DAILY OPERATIONS. IDENTIFIED PINCH AND CRUSH POINTS WHILE HANDELING WITH TUBULARS & BOP, WORKING AT HEIGHTS, 100% TIE OFF, DROPS, AND EXCLUSION ZONES. USE OF SPOTTERS, THE IMPORTANCE OF PROPER HAND SIGNALS, TEAMWORK, GOOD COMMUNICATION, AND USE OF TAG LINES WHILE MOVING EQUIPMENT. REVIEWED OXY SPILL PREVENTION PROGRAM (EYES ON) AND STOP AND THINK (STOP WORK) HAND AND FINGGER ( HAND PLACEMENT ) |            |
| 3/18/23     | 6:30                      | 16:00   | 9.50          | MIRU OVER HANKINS 1, CK SCP 0, 0 LEL'S<br>FACE RIG NORTH, TANKS WEST, FILL MUD TANKS WITH 400 BBL OF FRESH WATER ALSO 260 BBL IN DAY TANK WITH FRESH WATER.<br>SUB HALF IS UNDER CONTAIMENTS AND SHAKER TANK IS UNDER CONTINMENTS.   |            |
| 3/18/23     | 16:00                     | 17:30   | 1.50          | NIPPLE UP BOP, 5K 11" DUAL DOOR SHAFFER BOP ON A 3K FLANGE WITH 1500 PSI W-92 SURFACE HEAD.  |            |
| 3/18/23     | 17:30                     | 20:00   | 2.50          | <p>ALL PRESSURE TEST WILL BE NO HIGHER THAN 1500 PSI</p> <p>PIPE RAMS, PU LARKIN HANGER W/ 4.5 BELL &amp; 2" BULL PLUG, SET HANGER BODDY IN WELLHEAD<br/>           250 LOW 15 MIN<br/>           1500 HIGH 15 MIN<br/>           ANNULAR BAG<br/>           250 LOW 15 MIN<br/>           1500 HIGH 15 MIN<br/>           BLINDS &amp; HCR LINE TO CHOKE HOUSE, KILL LINE SIDE CHECK VALVE PASS ( DRAIN CHECK VALVE AFTER TEST, INSTALL KILLLINE )<br/>           250 LOW 15 MIN<br/>           1500 HIGH 15 MIN<br/>           TEST 4.5 TIW &amp; 4.5 HERO VALVE<br/>           TEST CHOKE LINE TO 3000 PSI FOR 15 MIN<br/>           AFTER ALL TEST, BLEW CHOKE OUT DRAIN ALL LNES WINTERIZE CHOKE &amp; LINES TO CHOKE</p>                       |            |

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| Event:      | ABANDONMENT               |         |               | Rig Name:  | ENSIGN 122 |
| Start Date: | 3/18/23                   |         |               | End Date:  | 6/2/23     |
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| Report Date | Time From                 | Time To | Duration (hr) | Operation  |            |
| 3/18/23     | 20:00                     | 21:30   | 1.50          | P/U BHA, OREINT TOOLS, RIH, INSTALL ROTATING HEAD RUBBER   |            |
| 3/18/23     | 21:30                     | 0:00    | 2.50          | <p>WASH DOWN TO PLUG, DIDN'T SEE MUCH @ THE SHOE, TAGGED A PLUG @ 250' DRILLED THROUGH @ 269'</p> <p>WASHED &amp; REAM F/ 269' TO 1253'<br/>PUMP # 2 115 SPM @ 255 PSI.</p> <p>KICKED BOTH PUMPS ON @ 1100'<br/>PUMP # 1 84 SPM<br/>PUMP # 2 88 SPM<br/>PSI. 787</p> |            |
| 3/19/23     | 0:00                      | 8:45    | 8.75          | <p>CONTINUE WASHING DOWN F/ 1253' TO 6072'</p> <p>PUMP #1 85 SPM<br/>PUMP #2 86 SPM<br/>PSI. 1350</p>  |            |
| 3/19/23     | 8:45                      | 10:30   | 1.75          | <p>CIRC TWO FULL BOTTOMS UP<br/>360 GMP 50 ROTARY<br/>1450 PSI WITH TWO PUMP DURING CIRC<br/>VIS @ TD 33 WT 9.3<br/>( SHAKERS CAME CLEAN ) NO GAS OUR OIL AT SHAKERS AFTER LAST BOTTOMS UP</p>   |            |
| 3/19/23     | 10:30                     | 14:00   | 3.50          | <p>POOH SIDWAYS<br/>PULL GAS BUSTER OFF LINE WHEN POOH, DRAIN GAS BUSTER TOOK 10 BBL INCREASE IN TANKS.<br/>LD MONELS, UBHO, BREAK BIT, LD MOTOR, PULL ROTATING HEAD<br/>DISP COMING OUT WITH 33 BBL OFF @ 33 VIS 9.3 WT<br/>( BIT STILL LOOK GOOD )</p>             |            |
| 3/19/23     | 14:00                     | 14:30   | 0.50          | <p>RIG SERVICE, CHECK OILS, CHANGE OUT DIES ON RUFFNECK,<br/>FILL DAY TANK FOR CEMENTING, PUT BOILER HOSE IN DAY TANK TO BRING UP WATER TEMP TO 70 DEGREE.</p>   |            |
| 3/19/23     | 14:30                     | 18:30   | 4             | <p>RUN BACK IN OPEN ENDED TO 6072'</p>   |            |
| 3/19/23     | 18:30                     | 19:00   | 0.50          | <p>CIRC BOTTOMS UP,<br/>PUMP #1 85 SPM<br/>PUMP #2 86 SPM<br/>PSI. 1350</p>  |            |
| 3/19/23     | 19:00                     | 19:30   | 0.50          | <p>MIRU CEMENTERS. HOLD JSA MEETING.<br/>CMT COMPANY: (NEXTIER).</p>   |            |
| 3/19/23     | 19:30                     | 20:00   | 0.50          | <p>PUMP 145 SX, 15.8 PPG, 1.52 CF/SX CLASS G CEMENT, (NIO BLEND)<br/>BALANCE PLUG: (YES), TOC 5419 FT, BOC 6072 FT<br/>SQUEEZE: (NO), EQUIPMENT: (NONE) DEPTH: ##### FT, BOTTOM (OH): 6072 FT, TOP (NA): ##### FT, TOC IN CSG: ##### FT</p>                          |            |

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| Report Date | Time From                 | Time To | Duration (hr) | Operation   |            |
| 3/19/23     | 20:00                     | 20:30   | 0.50          | POOH LD 14 JOINTS TO 5447'  |            |
| 3/19/23     | 20:30                     | 21:00   | 0.50          | CIRC BOTTOMS UP ( NO CEMENT ON RETURNS )  |            |
| 3/19/23     | 21:00                     | 21:30   | 0.50          | POOH LD 11 JOINTS TO 4912'  |            |
| 3/19/23     | 21:30                     | 22:00   | 0.50          | AS PER COA - SHUT WELL IN & VERIFY NO PRESSURE OR FLUID MIGRATION PRESENT - NONE NOTED  |            |
| 3/19/23     | 22:00                     | 22:01   | 0.02          | MIRU CEMENTERS. HOLD JSA MEETING.<br>CMT COMPANY: (NEXTIER).  |            |
| 3/19/23     | 22:01                     | 22:30   | 0.48          | PUMP 265 SX, 15.8 PPG, 1.17 CF/SX CLASS G CEMENT, (SUSX BLEND)<br>BALANCE PLUG: (YES), TOC 3995 FT, BOC 4900 FT<br>SQUEEZE: (NO), EQUIPMENT: (NONE) DEPTH: ##### FT, BOTTOM (OH): 4900 FT, TOP (NA): ##### FT, TOC IN CSG: ##### FT |            |
| 3/19/23     | 22:30                     | 23:00   | 0.50          | POOH LD 20 TO 4020'   |            |
| 3/19/23     | 23:00                     | 23:30   | 0.50          | CIRC BOTTOMS UP ( NO CEMENT ON RETURNS )  |            |
| 3/19/23     | 23:30                     | 0:00    | 0.50          | LD 54 JOINTS TO 1608'   |            |
| 3/20/23     | 0:00                      | 0:30    | 0.50          | TOH TO 1608'  |            |
| 3/20/23     | 0:30                      | 0:31    | 0.02          | MIRU CEMENTERS. HOLD JSA MEETING.<br>CMT COMPANY: (NEXTIER).  |            |
| 3/20/23     | 0:31                      | 1:00    | 0.48          | PUMP 260 SX, 15.8 PPG, 1.20 CF/SX CLASS G CEMENT, (AGM BLEND)<br>BALANCE PLUG: (YES), TOC 786 FT, BOC 1600 FT<br>SQUEEZE: (NO), EQUIPMENT: (NONE) DEPTH: ##### FT, BOTTOM (OH): 1600 FT, TOP (NA): ##### FT, TOC IN CSG: ##### FT   |            |
| 3/20/23     | 1:00                      | 1:30    | 0.50          | TOH TO 634'   |            |
| 3/20/23     | 1:30                      | 2:00    | 0.50          | CIRC. 2 BTMS. UP  |            |
| 3/20/23     | 2:00                      | 9:00    | 7             | AS PER COA - WAIT ON CEMENT FOR 8 HRS.  |            |
| 3/20/23     | 9:00                      | 9:15    | 0.25          | TIH TAG TOC @ 786'  |            |
| 3/20/23     | 9:15                      | 9:16    | 0.02          | AS PER COA - TAG TOP CEMENT @ 786'  |            |
| 3/20/23     | 9:16                      | 9:30    | 0.23          | POOH LD TO 401'   |            |
| 3/20/23     | 9:30                      | 9:31    | 0.02          | MIRU CEMENTERS. HOLD JSA MEETING.CMT COMPANY: (NEXTIER).  |            |
| 3/20/23     | 9:31                      | 10:00   | 0.48          | PUMP 80 SX, 15.8 PPG 1.20 CF/SX CLASS G CEMENT, (AGM BLEND)<br>BALANCE PLUG: (NO), TOC 171 FT, BOC 401 FT<br>SQUEEZE: (NO), EQUIPMENT: (NONE) DEPTH: 0 FT, BOTTOM (OH): 401 FT, TOP (NA): 0 FT, TOC IN CSG: 0FT                     |            |
| 3/20/23     | 10:00                     | 10:30   | 0.50          | POOH LD TO 133'   |            |

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| 3/20/23     | 10:30                     | 11:00   | 0.50          | CIRC BOTTOMS UP ( NO CEMENT ON RETURNS )  |            |
| 3/20/23     | 11:00                     | 11:15   | 0.25          | POOH LD ALL PIPE  |            |
| 3/20/23     | 11:15                     | 13:30   | 2.25          | WAIT ON SHOE PLUG   |            |
| 3/20/23     | 13:30                     | 14:00   | 0.50          | PU 8 5/8 SCRAPER & 7 7/8 BIT RIH TAG TOC @ 171'   |            |
| 3/20/23     | 14:00                     | 14:30   | 0.50          | POOH LD SCRAPER & BIT   |            |
| 3/20/23     | 14:30                     | 14:31   | 0.02          | SC SHOE PLUG PUMPED AT 10:00 AM 03/20/2023. WOC ( 4 HRS ) TAGGED TOC AT 14:00 03/20/2023. TAGGED TOC AT 171'  |            |
| 3/20/23     | 14:31                     | 14:45   | 0.23          | PRESSURE TEST DOWN: (SURFACE CASING).<br>TEST INTERVAL BOTTOM: (CEMENT TOP) AT 171 FT<br>TEST INTERVAL TOP: (SURFACE) AT 0 FT<br>PRESSURE TEST TO: 500 PSI FOR 15 MINUTES. TEST RESULTS: (PASS)   |            |
| 3/20/23     | 14:45                     | 15:00   | 0.25          | RU WIRELINE   |            |
| 3/20/23     | 15:00                     | 15:15   | 0.25          | SET 10K 8 5/8 CIBP @ 133' POOH  |            |
| 3/20/23     | 15:15                     | 15:30   | 0.25          | RIG DOWN WIRELINE   |            |
| 3/20/23     | 15:30                     | 15:45   | 0.25          | POOH LD 3 JOINTS  |            |
| 3/20/23     | 15:45                     | 16:15   | 0.50          | MIRU CEMENTERS. HOLD JSA MEETING.<br>CMT COMPANY: (NEXTIER).  |            |
| 3/20/23     | 16:15                     | 16:30   | 0.25          | PUMP 40 SX, 15.8 PPG, 1.20 CF/SX CLASS G CEMENT, (AGM BLEND)<br>BALANCE PLUG: (YES), TOC 0 FT, BOC 133 FT<br>SQUEEZE: (NO), EQUIPMENT: (NONE) DEPTH: ##### FT, BOTTOM (PERF/CSG CUT/OH): ##### FT, TOP (NA): ##### FT, TOC IN CSG: 0 FT |            |
| 3/20/23     | 16:30                     | 16:45   | 0.25          | LD 3 JOINTS ( TOP FILL SURFACE WITH 1 BBL CEMENT AFTER OUT OF THE HOLE )  |            |
| 3/20/23     | 16:45                     | 19:00   | 2.25          | NIPPLE DOWN BOP   |            |
| 3/20/23     | 19:00                     | 0:00    | 5             | RIG DOWN RIG, LAY DOWN DERRICK, WASH CLEAN MUD TANKS, PU ALL EQ, PREPARE RIG FOR MOVING OUT   |            |
| 6/2/23      | 8:00                      | 9:00    | 1             | DUG UP SURFACE CASING   |            |
| 6/2/23      | 9:00                      | 10:00   | 1             | CUT CASING 6' BELOW GL, CEMENT AT SURFACE   |            |
| 6/2/23      | 10:00                     | 11:00   | 1             | CAPPED CASING WITH A METAL PLATE CONTAINING WELL INFO   |            |
| 6/2/23      | 11:00                     | 12:00   | 1             | BACKFILLED  |            |
| 6/2/23      | 12:00                     | 12:00   | 0             | PLACED MARKER BALL  |            |