



Daily Activity Summary

Well Name: STATE-CERVI OWP 01

API 0512308441	Surface Legal Location SWSE 16 10N 56W	Field Name	License #	State/Province COLORADO	Well Configuration Type VERTICAL
Original KB Elevation (ft)	KB-Tubing Head Distance (ft)	Spud Date Production 6/4/1975 00:00	Rig Release Date 6/10/1975 00:00	PBDT (All) (ftKB)	Total Depth All (TVD) (ftKB)

Job Category WORKOVER	Primary Job Type P&A	Secondary Job Type	Status 1
AFE Number 2000073	Start Date 3/25/2020	End Date 4/7/2020	Total AFE Amount (Cost) 86,003.00

Objective
Plug and abandon well.

Summary

Contractor RANGER ENERGY SERVICES	Rig Number \ Crew X11	Rig Type Workover
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Rpt #	Start Date	End Date	Summary																								
1.0	3/25/2020	3/25/2020	<p>SAFETY MEETING WAOL. LOAD OUT EQUIPMENT FROM FABRIXIUS LOCATION AND ROAD TO LOCATION. SPOT EQUIPMENT OVER CONTAINMENT. GOT RIG UNSTUCK FROM ROAD DITCH. JSA WAOL. MIRU. HAD TO MU 7-3/4" ROCK BIT AND 1ST 3-1/2" DRILL COLLAR UNDER 7-1/16" BOP, THEN NU BOP. PU TOTAL OF 4 3-1/2" DRILL COLLARS. BHA AS FOLLOWS; 7-3/4" RECONDITIONED BIT, BIT SUB, 4 DRILL COLLARS, XO SUB TO 2-7/8" EUE TBG, 8 EUE X 2-7/8" TBG SUB. CLOSE & SECURE WELL. SDFN</p> <table style="margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">OD</th> <th style="text-align: center;">ID</th> <th style="text-align: center;">LENGTH</th> </tr> </thead> <tbody> <tr> <td>7-3/4" RECONDITIONED BIT</td> <td></td> <td></td> <td style="text-align: center;">.75'</td> </tr> <tr> <td>BIT SUB</td> <td style="text-align: center;">5-5/16"</td> <td style="text-align: center;">2-1/8"</td> <td style="text-align: center;">1.50'</td> </tr> <tr> <td>4 3-1/2" SLICK DRILL COLLARS</td> <td style="text-align: center;">3-1/2"</td> <td style="text-align: center;">1-1/2"</td> <td style="text-align: center;">118.06'</td> </tr> <tr> <td>XO SUB</td> <td style="text-align: center;">3-1/16"</td> <td style="text-align: center;">1-1/2"</td> <td style="text-align: center;">1.07'</td> </tr> <tr> <td>8' 2-7/8" EUE TBG SUB</td> <td style="text-align: center;">2-7/8"</td> <td style="text-align: center;">2.441"</td> <td style="text-align: center;">8.27'</td> </tr> </tbody> </table>		OD	ID	LENGTH	7-3/4" RECONDITIONED BIT			.75'	BIT SUB	5-5/16"	2-1/8"	1.50'	4 3-1/2" SLICK DRILL COLLARS	3-1/2"	1-1/2"	118.06'	XO SUB	3-1/16"	1-1/2"	1.07'	8' 2-7/8" EUE TBG SUB	2-7/8"	2.441"	8.27'
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2.0	3/26/2020	3/26/2020	<p>SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. PU TBG AND RIH TO TAG @ 157'. PU POWER SWIVEL. BREAK CIRCULATION W/ 24 BFW. PUMPING @ 2 BPM, 200 PSI. WASH DOWN TO 234', DRILLED HARDER, CONTINUE TO 281'. NOTICED THAT FLUID WAS COMING OUT FROM UNDER THE RIG BEAM. CALLED IN. POOH W/ TBG AND LAY DOWN COLLARS. ND BOP TO BREAK OUT BIT. MU CAP ON SURFACE CASING. PUMP SLOW RATE WITH NO NOTICABLE PRESSURE. FLUID COMING OUT UNDER RIG BEAM AND SEVERAL PLACES ABOUT 3' FROM CASING. NO FLUID COMING UP AROUND CASING ITSELF. NU BOP, RIG UP TO RUN TBG. CLOSE & LOCK WELL. SDFN</p>																								
3.0	3/27/2020	3/27/2020	<p>SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. RIH W/ 4 JTS TBG TO 131'. MIRU RANGER CEMENTERS. PUMP 10 BFW TO TO CATCH CIRCULATION, PUMP 13 BBL CLASS "G" SLURRY W/ 2% CC (1.15Y, 15.8#) TO CIRCULATE CEMENT TO SURFACE. AFTER PUMPING 10 BBL SLURRY, HAD CEMENT COMING AT THE GROUND AROUND THE SURFACE CASING. POOH W/ TBG. PUMP 2 BBL SLURRY TO SEE RETURNS AROUND SURFACE. GO TO DISPLACEMENT. AFTER PUMPING 3.6 BFW, STARTED TO SEE WATERY CEMENT COMING OUT OF THE GROUND. RU CEMENTERS AND PUMP CEMENT UNTIL GOOD CEMENT CAME OUT OF THE GROUND (ABOUT 2 BBL SLURRY), CONTINUE TO PUMP ANOTHER 4 BBL SLURRY, DISPLACE W/ 1/2 BFW, ETOC @ 10'. (TOTAL 109 SXS PUMPED) RDMO CEMENTERS. WELL CLOSED AND SECURED. SDFN</p>																								
4.0	3/28/2020	3/28/2020	<p>SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. PRESSURE TEST. PUMP LESS THAN 1 BFW WITH C-PUMP TO 25 PSI BEFORE FLUID STARTED COMING OUT OF THE GROUND ABOUT 3' AWAY FROM SURFACE CASING, WITH SOME COMING UP AROUND 1' FROM THE CASING. RIH W/ 5 JTS TBG & TAG TOC @ 156'. POOH. CALL MANAGEMENT FOR DIRECTION. CALL FOR CEMENTERS. MIRU RANGER CEMENTERS. BREAK CIRCULATION W/ 2.3 BFW. PUMP 13 BBL "G" W/ 2% CC TO BRING CEMENT TO SURFACE. HAD GOOD CEMENT COMING OUT OF THE GROUND JUST BEFORE IT REACHED THE CEMENT TANK WE WERE CIRCULATING INTO. POOH W/ TBG. RU CEMENTERS TO TOP OFF. HAD CIRCULATION OF GOOD CEMENT TO THE GROUND RIGHT AWAY. PUMP 4 MORE BBL SLURRY, DISPLACE W/ 1/2 BFW. ETOC @ 10'. (83 SXS "G" W/ 2% CC TOTAL). WELL CLOSED AND SECURE. RDMO CEMENTERS. SDFN.</p>																								
5.0	3/29/2020	3/29/2020	<p>SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. PT. HAD CIRCULATION AROUND SURFACE PIPE IMMEDIATELY. RIH W/ TBG, TAG TOC @ 33'. CALL MANAGEMENT FOR DIRECTION. CALLED FOR CEMENT TRUCK. USED DIRTY VAC TRUCK TO SUCK WELL DOWN TO 18'. CONDUCT VISUAL INSPECTION FOR A HOLE, NONE OBSERVED EXCEPT FOR SLIGHT EGGING CLOSE TO SURFACE. MIRU RANGER CEMENTERS. PUMP 5 BBL, 25 SXS "G" W/ 2% CC (1.18Y, 15.8#) DID NOT DISPLACE W/ FW. HAD IMMEDIATE CIRCULATION TO SURFACE W/ GOOD CEMENT. RDMO CEMENTERS. PULL CAP FROM WELL. CEMENT WAS 6' FROM SURFACE. CLOSE & SECURE WELL. SDFN.</p>																								
6.0	3/30/2020	3/30/2020	<p>SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. PULL CAP. TOC @ 6'. CAP WELL & PT TO 130 PSI. TEST GOOD. RU POWER SWIVEL & 1 3-1/2" COLLAR, MU 7-3/4" BIT UNDER BOP, NU BOP. DRILLED HARD CEMENT FROM 6' TO 156', TOOK 15 MIN TO GET PAST 156', CONTINUE DRILLING DOWN TO 189'. NOTICED FLUID COMING OUT OF THE GROUND AROUND WELLHEAD. PULL UP TO 156' TO CLEAN HOLE UP. FLOW AROUND GROUND SLOWED CONSIDERABLY. CLEAN HOLE UP. RD POWER SWIVEL. LAY DOWN 2 JTS. EOT @ 121'. CLOSE & SECURE WELL. SDFN</p>																								

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7.0	3/31/2020	3/31/2020	SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. LAY 2ND RETURN LINE TO RIG TANK. RIH TO 189', PUMPING 4 BPM. PUMP 6 BFW TO CATCH CIRCULATION. HAS FLUID COMING OUT OF THE GROUND. PULL UPHOLE TO 156', PUMPING WITH IMMEDIATE RETURNS TO GROUND. CALL MANAGEMENT FOR DIRECTION. CALLED FOR DIE AND CEMENT. POOH LAYING DOWN COLLARS. ND BOP AND STRIP BIT OFF UNDER BOP. NU BOP. PUMP 4 BFW BEFORE RED DIE CAME UP AROUND WELLHEAD. RIH W/ 60' TBG (2 JTS). MIRU RANGER CEMENTERS. BREAK CIRCULATION W/ 1-1/2 BFW, PUMP 4 BBL SLURRY (20SXS G W/ 2% CC, 1.18Y, 15.8#) BEFORE GOOD CEMENT STARTED COMING OUT OF THE GROUND, PUMP ANOTHER 2 BBLW SLURRY (10 SXS) BEFORE CEMENT REACHED THE CEMENT TANK. CONTINUING TO GET GOOD CEMENT COMING OUT OF THE GROUND. POOH W/ TBG. RU CEMENTERS, PUMP REMAINING 2 BBLW SLURRY (10 SXS) FOLLOWED BY 1/2 BFW DISPLACEMENT. RDMO CEMENTERS. CLOSE & SECURE WELL. SDFN																								
8.0	4/1/2020	4/1/2020	SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. PU 6-1/2 JTS TBG TO TAG @ 210'. LAY DOWN TBG. LOAD HOLE W/ 6.5 BFW, PRESSURE UP TO 30 PSI BEFORE FLUID WAS COMING OUT OF THE GROUND AROUND WELLHEAD. PUMPED 8.5 BFW TOTAL. CALL MANAGEMENT FOR ORDERS. CALL FOR TRASH PUMP & GEL. ND BOP & STRIP 7-3/4' ROCK BIT UNDER BOP, NU BOP, PU 6 DRILL COLLARS. <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">OD</th> <th style="text-align: center;">ID</th> <th style="text-align: center;">LENGTH</th> </tr> </thead> <tbody> <tr> <td>7-3/4" RECONDITIONED BIT</td> <td></td> <td></td> <td style="text-align: right;">.75'</td> </tr> <tr> <td>BIT SUB</td> <td style="text-align: center;">5-5/16"</td> <td style="text-align: center;">2-1/8"</td> <td style="text-align: right;">1.50'</td> </tr> <tr> <td>6 3-1/2" SLICK DRILL COLLARS</td> <td style="text-align: center;">3-1/2"</td> <td style="text-align: center;">1-1/2"</td> <td style="text-align: right;">178.86'</td> </tr> <tr> <td>XO SUB</td> <td style="text-align: center;">3-1/16"</td> <td style="text-align: center;">1-1/2"</td> <td style="text-align: right;">1.07'</td> </tr> <tr> <td>8' 2-7/8" EUE TBG SUB</td> <td style="text-align: center;">2-7/8"</td> <td style="text-align: center;">2.441"</td> <td style="text-align: right;">8.27'</td> </tr> </tbody> </table> <p>RU TRASH PUMP TO SEND RETURNS BACK TO RIG TANK. RU POWER SWIVEL, TAG W/ BIT @ 189'. CONTINUE DRILLING TO 350' WITH RETURNS TO THE RIG TANK FROM GROUND ALSO. AT THIS DEPTH WE HAD FLOW TO THE SURFACE ON THE GROUND STOPPED. CONTINUED DRILLING TO 575' LOOSING 40 BBL TOTAL. WE SENT 5 BBL GEL SWEEPS EVERY 2 JTS WITH POSITIVE RESULTS. RIG TANK GETTING HEAVY WITH CEMENT CUTTINGS (HAD CEMENT CUTTINGS DURING ENTIRE DRILLOUT). CALLED FOR HYDROVAC TO CLEAN OUT TANK. RD POWER SWIVEL. POOH W/ 2 JTS TBG, STAND 10 JTS BACK, LEAVING COLLARS IN THE HOLE. EOT @ 182'. CLOSE & SECURE WELL. DRAIN UP EQUIPMENT. SDFN</p>		OD	ID	LENGTH	7-3/4" RECONDITIONED BIT			.75'	BIT SUB	5-5/16"	2-1/8"	1.50'	6 3-1/2" SLICK DRILL COLLARS	3-1/2"	1-1/2"	178.86'	XO SUB	3-1/16"	1-1/2"	1.07'	8' 2-7/8" EUE TBG SUB	2-7/8"	2.441"	8.27'
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9.0	4/2/2020	4/2/2020	SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. HYDROVAC RIG TANK CLEAN. FILL WITH FW. RIH W/ TBG & TAG @ 400', PU POWER SWIVEL, KELLY HOSE FROZEN, THAW OUT. BREAK CIRCULATION. HAD FLUID COMING OUT OF THE GROUND. USING TRASH PUMP TO PUMP FROM THE CELLAR TO THE RIG TANK AS WE MAKE HOLE. BREAK THRU BRIDGE @ 400', CONTINUE DRILLING OUT TO 997', SENDING GEL SWEEPS EVERY 2 JTS. HAD HEAVY MUD AND SOME SOLIDS IN RETURNS. LOST TOTAL OF 95 BBL FLUID. CONDITION HOLE. LAY DOWN PS, POOH W/ TBG STANDING BACK 10 STNDS, LAY DOWN COLLARS AND BHA. CLOSE & SECURE WELL. SDFN																								
10.0	4/3/2020	4/3/2020	SAFETY MEETING. DISCUSS GOALS FOR THE DAY. DISCUSS SAFETY CONCERNS, SAFETY MEASURES AND PREVENTATIVE ACTIONS. SP-0. HYDROVAC RIG TANK CLEAN. PU NOTCHED COLLAR. RIH W/ TBG TO SOFT TAG @ 927. PU POWER SWIVEL AND WASH DOWN TO 1001' PUMP 12 BFW BEFORE GAINING CIRCULATION. RETURNS COMING OUT OF THE GROUND ALSO. SEND 2 5 BBL GEL SWEEPS. CIRCULATE AND CONDITION HOLE UNTIL CLEAN. LOST 48 BBL FLUID. LD PS, PREP TO PUMP PLUG. MIRU RANGER CEMENTERS. PUMP 5 BFW, 5 BBL MUD FLUSH, 5 BFW, 140 SXS CLASS "G" W/ 3% CC (1.18Y, 15.8#, 29.6 BBL SLURRY) BALANCED PLUG FROM 1001' TO ETOC @ 493'. POOH W/ 9 STANDS, LAYING DOWN REMAINING TBG. CLOSE & SECURE WELL. SDFWE.																								
11.0	4/6/2020	4/6/2020	SAFETY MEETING. RIH TAG TOC @ 581.74. LD TO 250' & RU RNGR CMNT. PRESSURE TEST 1000#. ESTABLISH CIRC 8BBL FW. PUMP 37 BBL = 180 SX G NEAT 15.8# W 2%CC TO SURF. RD TOP OF W 2 BBL SLURRY WASH UP CLOSE & SECURE WELL.																								
12.0	4/7/2020	4/7/2020	SAFETY MEETING. SC 0 PSI, TOC @ 63', PRES TEST 10 PSI FAIL COMMUNICATE OUTSIDE SURF CSG, RD & ND BOP MIRU ON LOYD FARMS AG 01-04, RU RNGR CMNT PUMP 25 SX (5BBL) TO AND AROUND SURFACE, RD CMNTRS, RELEASE ALL 3RD PARTY EQ, CALL ALL AMERCN FOR C&C SISW,																								
13.0	4/8/2020	4/9/2020	MONITOR PERIOD: FLUID STATIC AT SURFACE NO MIGRATION, TOC @ 40'																								
14.0	4/10/2020	4/10/2020	TAG TOC @ 20', DIG UP WELLHEAD & CUT @ 8' BELOW SURF, TOP OFF W/G NEAT TO CUT, WELD CAP W/BULLPLUG, NEEDLEVALVE, & NAME PLATE, BACK FILL WELLHEAD. CUT & CAP COMPLETED.																								