



## Daily Activity Report

**Well Name: MCHUGH 02**

API 0500107867	Surface Legal Location 28-2S-66W	Field Name	License #	State/Province COLORADO	Well Configuration Type VERTICAL
Original KB Elevation (ft)	KB-Tubing Head Distance (ft)	Spud Date Production	Rig Release Date	PBDT (All) (ftKB)	Total Depth All (TVD) (ftKB)

Job Category WORKOVER	Primary Job Type P&A WBI	Secondary Job Type	Status 1
AFE Number 2000029	Start Date 2/24/2020	End Date 3/4/2020	Total AFE Amount (Cost) 183,750.00

Objective

Summary

Contractor ENSIGN	Rig Number \ Crew 313	Rig Type Workover
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Rpt #	Start Date	End Date	Summary
1.0	2/24/2020	2/24/2020	WAITING ON PERMITS FOR COMMERCE CITY TO MOVE RIG INTO LOCATION, MOVED IN ALL EQUIPMENT THAT WASN'T OVERWEIGHT OR OVER SIZE, WORKSTRING, BOP TRAILER, DRILL COLLARS, 12K LIFT, DOGHOUSE, TIGHTENED AND PREPPED SURFACE HEAD.
2.0	2/25/2020	2/25/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, SPOT IN RIG, AND EQUIPMENT ON CONTAINMENTS, RIG UP, RAN PUMPLINES, SPOT IN PIPE WRANGLER, AND PIPE RACKS, RACK AND TALLY 3 1/2 DRILL COLLARS AND 2 7/8 J-55, NIPPLE UP BOP, AND FUNCTION TEST, SWIVELED UP IN PREPARATION TO DRILL OUT IN THE MORNING, WELL IS SHUT IN, SDFTD
3.0	2/26/2020	2/26/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, SPOT IN RIG, AND EQUIPMENT ON CONTAINMENTS, RIG UP, RAN PUMPLINES, SPOT IN PIPE WRANGLER, AND PIPE RACKS, RACK AND TALLY 3 1/2 DRILL COLLARS AND 2 7/8 J-55, NIPPLE UP BOP, AND FUNCTION TEST, SWIVELED UP IN PREPARATION TO DRILL OUT IN THE MORNING, WELL IS SHUT IN, SDFTD
4.0	2/27/2020	2/27/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, LIGHT VAC ON BOTH SIDES, RBIH 10 STANDS, SWIVEL UP, ATTEMPT TO ESTABLISH CIRC, KEPT PLUGGING OFF WHILE TRYING TO REVERSE CIRC, CHANGED DIRECTIONS AND PUMPED CONVENTIONALLY TO CLEAR THE BIT AND CLEAR OUT AT THE BIT, STILL WOULDN'T REVERSE CIRC, SURFACE FLANGE STARTED LEAKING, POOH, UNPLUGGED BIT AND TIGHTENED SURFACE FLANGE, RBIH STACKED AT 1050', SWIVELED UP, DRILLED THROUGH 15' BRING BACK CEMENT, TUBING PLUGGED OFF, POOH, UNPLUGGED ALL 8 DRILL COLLARS, SHUT IN AND SECURED WELL. SDFTD,
5.0	2/28/2020	2/28/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, NO PRESSURE ON WELL, RBIH TO 1650', EST CIRC PUMPING CONVENTIONALLY, ROLLED HOLE CLEAN, CONT DRILLING OUT TO 3080', SENT 5GAL SLUG OF INTEGRITY FLOW FOLLOWED W 2 SKS OF SAPP 20 BBL SPACER THEN 10 BBL 80 VISC GEL SWEEP, PUMPED SURFACE TO SURFACE UNTIL RETURNS WERE CLEAN, POOH, L/D DRILL COLLARS AND BHA, RBIH W 2 7/8 J-55 AND 8' MULE SHOE SUB, STACKED OUT AT 1498', 5' BELOW SURFACE CASING, ATTEMPTED TO ROTATE THROUGH AND CIRC AND ROTATE, DID NOT MAKE ANY HOLE, POOH, SHUT IN AND SECURED WELL, MONDAY WE WILL RBIH SWIVEL UP AND WASH THRU COLLAPSED OPEN HOLE, SDFTD
6.0	3/2/2020	3/2/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, LIGHT VAC ON WELL, M/U 3 7/8 ROCK BIT, RBIH W 95 JTS OF 2 7/8 J-55, DEPTH OF 3002', EST CIRC CONVENTIONALLY, R/U CEMENTERS PUMPED 150 SKS OF G 15.8 LB 1.15 SK YLD, DISPLACED 12.5 BBL TO BALANCE, R/D CEMENTERS, POOH STANDING BACK 2500', AND LAYING DOWN THE REMAINING 17 JTS, TOP OFF WELL, SHUT IN AND SECURE, SDFTD
7.0	3/3/2020	3/3/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, NO PRESSURE ON WELL, OPENED RAMS, FLUID LEVEL AT 15' MONITORED FOR 15 MIN NO BUBBLING/NO MIGRATION, R/IH TO TAG TOC, TAGGED UP ON JT# 87, 10' OUT DEPTH OF 2741', L/D 31 JTS LEAVING 56 JTS IN THE HOLE, DEPTH 1760', EST CIRC CONVENTIONALLY, SENT 2.5 GAL SLUG OF INTEGRITY FLOW FOLLOWED W 2 SKS OF SAPP, CIRC S 2 S, R/U CEMENTERS, PUMP 250 SKS OF G 15.8 LB 1.15 SK YLD, FROM 1760' UP TO 900', DISP 4.5 O BALANCE, R/D CEMENTERS, POOH STANDING BACK 900', L/D REMAINDER, SHUT IN AND SECURE WELL. SDFTD
8.0	3/4/2020	3/4/2020	DRIVE TO LOCATION, JSA, SAFETY MEETING, NO PRESSURE ON WELL, R/IH TO TAG TOC, TAGGED UP ON JT# 51, 15' OUT, DEPTH OF 1600', L/D JT# 51, R/U CEMENTERS, EST CIRC, PUMPED 550 SKS OF G 15.8 LB 1.15 SK YLD FROM 1585' UNTIL WE HAD GOOD CEMENT IN RETURNS, R/D CEMENTERS, L/D TUBING, TOPPED OFF WELL W CEMENT, WASH UP TONGS AND BOP, NIPPLE DOWN BOP, SHUT IN AND SECURED WELL, R/D AND RACK EQUIP, MOVE OVER TO THE JOHN P MCHUGH 01. SDFTD
9.0	3/11/2020	3/11/2020	MCHUGH 02 WAS CUT AND CAPPED ON 3/11/2020. JSA/HOT WORK/DIG EXPECTATIONS, OPEN NEEDLE VALVE NO PRESURE NO GAS, TAG TOC @ 4 FT, EXCAVATE 11 FT CUT AND CAP WH @ 10 FT BELOW GRADE