

US ROCKIES REGION
Operation Summary Report

Well: **SHULTZ 17-16**

Spud date: 11/26/2008

Project: COLORADO-WELD-NAD83-UTM13

Site: SHULTZ 17-16

Rig name no.: BASIC 1524/1524, TR DENNER 6/6

Event: WELL WORK EXPENSE

Start date: 3/2/2016

End date:

Active datum: RKB @4,862.00usft (above Mean Sea Level)

UWI: 0/4/N/67/W/16/0/SENE/6/PM/N/1,472.00/E/0/1,268.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
2/29/2016	12:00 - 13:00	1.00	MIRU	53	B	P		TP200/CP200/SP160, MIRU FLARE EQUIP/PULL AUTOMATION
	13:00 - 15:30	2.50	WO/REP	53	B	P		BLOW DOWN SFC THROUGH FLARE TO 0 PSI IN 10 MINS, NO FLUID FLOWED BACK TO SEPERATOR, BLOW DOWN CSG TO 80#, BLOW DOWN TBG TO 50#, PUMPED 55 BBLS DOWN CSG, 25 BBLS DOWN TBG, WELL ON VAC
	15:30 - 16:00	0.50	RDMO	53	B	P		SWI, RDMO FLARE EQ
3/2/2016	11:30 - 14:30	3.00	MIRU	30	A	P		MIRU BASIC #1524
	14:30 - 15:00	0.50	WO/REP	30	G	P		CT TO YARD
3/3/2016	6:00 - 7:00	1.00	WO/REP	30	G	P		CREW TRAVEL TO LOCATION.
	7:00 - 8:00	1.00	WO/REP	30	F	P		TBG/0#,CSG/150#, BULL HEAD 40BBL'S WATER/BIO DOWN WELL SCSG/150# BLEW DOWN BROUGHT BACK LITTLE FLUID.
	8:00 - 8:30	0.50	WO/REP	30	E	P		ND WH, NU BOP'S FUNCTION TEST. UNLAND 2.375 TBG @32K.
	8:30 - 11:00	2.50	WO/REP	31	I	P		MIRU EMI(PRS) TOO H STANDING BACK IN DERRICK TALLYING W/ 227JNT'S GOOD 2.375 TBG LD SN & NC, RDMO EMI.
	11:00 - 12:00	1.00	WO/REP	35	A	P		MIRU CORE TECH SLICKLINE RIH TAG FILL@7340'KB RDMO SLICKLINE
	12:00 - 13:30	1.50	WO/REP	31	I	P		PU 4.5' RBP(THUNDERBIRD) RETRIEVING HEAD XN NIPPLE TIH OUT OF DERRICK SET RBP@6836' W/216JNT'S 2.375 TBG.
	13:30 - 14:30	1.00	WO/REP	31	I	P		RU PUMP BREAK CIRCUALTION DOWN CSG. CIRCULATE GAS OUT OF WELL.
	14:30 - 15:00	0.50	WO/REP	52	G	P		PSI TEST CSG/RBP TO 2000# FOR 15MIN GOOD TEST. SPOT 2SX SAND DOWN TBG ONTO RBP.
	15:00 - 16:30	1.50	WO/REP	31	I	P		TOOH STANDING BACK 216JNT'S 2.375 TBG IN DERRICK. LD RETRIEVING HEAD & XN NIPPLE. SHUT & LOCK BLIND RAM'S SWI DRAIN EQ SDFN.
	16:30 - 17:30	1.00	WO/REP	30	G	P		CREW TRAVEL TO YARD.
3/4/2016	6:00 - 7:00	1.00	WO/REP	30	G	P		CREW TRAVEL TO LOCATION.
	7:00 - 9:00	2.00	WO/REP	30	F	P		SCSG/20# BLEW DOWN GAS. ND BOP'S & WH UNLAND 4.5" CSG @55K. STACK CSG OUT IN 8 5/8 SCSG. NU DRILL FLANGE. SPEAR THROUGH DUALL ENTRY FLANGE INTO CSG. PU CSG SCREW TOGETHER FLANGE TO DRILL FLANGE. NU BOP'S FUNCTION TEST. CHANGE OVER EQ FOR 1.25 TBG.
	9:00 - 11:00	2.00	WO/REP	31	I	P		PU MULE SHOE TIH TALLYING OFF OF TRAILER. EOT@1661' W/51JNT'S 1.25 TBG. WHILE ON TIH MADE A SWEEP OF DF2020 @977' W/30JNT'S 1.25 TBG.
	11:00 - 13:30	2.50	WO/REP	31	H	P		RU PUMP BREAK CIRCULATION DOWN TBG. MAKE SWEEP OF DF 2020. RETURN'S SOME SOLID'S & GAS CLEANING UP. SD PUMP.
	13:30 - 14:30	1.00	WO/REP	31	I	P		TOOH STANDING BACK IN DERRICK. SHUT & LOCK BLIND RAM'S, SWI, DRAIN EQ SDFN.
	14:30 - 15:30	1.00	WO/REP	30	G	P		CREW TRAVEL TO YARD.
3/7/2016	6:00 - 7:00	1.00	WO/REP	30	G	P		CREW TRAVEL TO YARD.

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:00 - 8:00	1.00	WO/REP	31	I	P		CSG/0#,SCSG/10# BLEW DOWN GAS. PU MULE SHOE CUT ON JNT 1.25 TBG. TIH OUT OF DERRICK EOT@1661' W/51JNT'S 1.25 TBG.
	8:00 - 10:30	2.50	WO/REP	31	H	P		RU PUMP BREAK CIRCULATION DOWN TBG CIRCULATE CONDITIONING HOLE. RETURN'S LITTLE GAS & SOLID'S. CLEANED UP NO GAS OR SOLID'S SD PUMP.
	10:30 - 11:00	0.50	WO/REP	31	I	P		SPOT 38BBL'S 10# MUD DOWN TBG. PUH LD 20JNT'S 1.25 TBG. EOT@1010' W/ 31JNT'S 1.25 TBG.
	11:00 - 12:00	1.00	WO/REP	51	C	P		MIRU BAKER HUGHES OUT SIDE OF RED ZONE. PUMP 5BBL'S FRESH,20BBL'S SMS,5BBL'S FRESH,120SX(29BBL'S) TYPE III CEMENT @420# 2BBL'S/MIN DISPLACE 1BBL FRESH. RETURN'S MUD NO GAS VERY LITTLE SOLID'S. RDMO BASIC 1524. RED ZONE CLEAR DURING PUMPING.
	12:00 - 12:30	0.50	WO/REP	31	I	P		TOOH LD 31JNT'S 1.25 TBG & MULE SHOE.
	12:30 - 14:30	2.00	WO/REP	30	F	P		ND BOP'S, SPEAR THROUGH DUAL ENTRY FLANE INTO 4.5" CSG UNFLANGE FROM DRILL FLANGE. UNSCREW DUAL ENTRY FLANGE FROM CSG STACK CSG OUT INTO 8 5/8 SCSG. ND DUAL ENTRY FLANGE & DRILL FLANGE. RELAND 4.5" CSG@95K. PACK OFF SCSG HEAD. NU WH & BOP'S FUNCTION TEST. CHANGE OVER EQ FOR 2.375 TBG. SHUT & LOCK BLIND RAM'S, SWI DRAIN EQ,SDFN.
	14:30 - 15:30	1.00	WO/REP	30	G	P		CREW TRAVEL TO YARD.
3/8/2016	6:00 - 7:00	1.00	WO/REP	30	G	P		CREW TRAVEL TO LOCATION.
	7:00 - 8:30	1.50	WO/REP	35	E	P		CSG/0#,SCSG/0#.MIRU IPS WL RIH LOG W/TEMP 2760'-12' VERIFY FOXHILLS TOC@344'-BOC@1005'. EMAIL LOG TO APC. RDMO WL. DID LOG DEPTH ON PROG PER TYLER ELLIOT..
	8:30 - 9:00	0.50	WO/REP	52	G	P		PSI TEST CSG & WH CONNECTION TO 2000# FOR 15MIN GOOD TEST.
	9:00 - 10:30	1.50	WO/REP	31	I	P		PU RETRIEVING HEAD,XN NIPPLE TIH OUT OF DERRICK TAG SAND ON RBP(THUNDERBIRD)@6836' W/216JNT'S 2.375 TBG RU TBG SWIVEL.
	10:30 - 11:00	0.50	WO/REP	31	H	P		BREAK CIRCULATION DOWN CSG CIRCULATE SAND OUT OF WELL.RETRIEVE/RELEASE RBP.
	11:00 - 12:30	1.50	WO/REP	31	I	P		TOOH STANDING BACK IN DERRICK 216JNT'S 2.375 TBG LD RBP, RETRIEVING HEAD, & XN NIPPLE.
	12:30 - 14:00	1.50	WO/REP	31	I	P		PU NC,XN NIPPLE, TIH OUT OF DERRICK 227JNT'S 2.375 TBG LAND @7190'KB
	14:00 - 15:00	1.00	WO/REP	45	A	P		RU LUBRICATOR BROACH TBG W/1.911" TO ABOVE XN NIPPLE. ND BOP'S NU WH.
	15:00 - 16:00	1.00	WO/REP	52	G	P		MIRU HYDROTESTER(NAILL SERVICES) TORQUE WH BOLT'S. CHECK WH ALIGNMENT W/ FLOW LINE. PU BAR PSI TEST THROUGH MASTER VALVE TO 5000# FOR 15MIN GOOD TEST. RDMO HYDROTESTER. SWI TAP BULL PLUG ALL VALVE'S.HAING SIGN.
	16:00 - 17:00	1.00	RDMO	30	H	P		RDMO BASIC 1524 SDFN.
	17:00 - 18:00	1.00	RDMO	30	G	P		CREW TRAVEL TO YARD.

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
3/14/2016	14:30 - 15:30	1.00	MIRU	42	B	P		MI Denner 6
	15:30 - 17:00	1.50	WO/REP	42	B	P		blow down surface, call in to ensure land clearance
	17:00 - 18:00	1.00	WO/REP	42	B	P		SDFN
3/15/2016	7:00 - 9:00	2.00	WO/REP	42	B	P		CT, RU
	9:00 - 12:00	3.00	WO/REP	46	B	Z		WAIT ON CREW TO FINISH WELLHEAD
	12:00 - 13:00	1.00	WO/REP	42	B	P		BROACH
	13:00 - 17:00	4.00	WO/REP	42	B	P		SWAB
	17:00 - 18:00	1.00	WO/REP	42	B	P		SDFN
	6:00 - 7:00	1.00	WO/REP	42	B	P		CT
	7:00 - 12:00	5.00	WO/REP	42	B	P		swab
	12:00 - 13:00	1.00	RDMO	42	B	P		RDMO Denner 6