

**US ROCKIES REGION**  
**Operation Summary Report**

Well: **LOT HOLDINGS 1-3**

Spud date: 8/14/2005

Project: COLORADO-WELD-NAD83-UTM13

Site: LOVELAND 8-3

Rig name no.: ACE ENERGY 20/20, CONCORD 7/7

Event: WELL WORK EXPENSE

Start date: 7/15/2016

End date:

Active datum: RKB @4,755.99usft (above Mean Sea Level)

UWI: 0/4/N/67/W/3/0/SENE/6/0/N/2085/E/0/441/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/6/2016	7:00 - 7:30	0.50	MIRU	35	1	P		MIRU CORE-TECH SLICKLINE TO FISH AND TAG, ALSO TO ASSIST VES W/GYRO RUN
	7:30 - 8:15	0.75	WO/REP	35	D	P		FISH OUT THE PLUNGER @ 7434'
	8:15 - 11:30	3.25	WO/REP	35	E	P		RUN GYRO FROM 7400' TO SURFACE, VES WILL SEND GYRO TO APC
	8:15 - 9:00	0.75	WO/REP	35	A	P		TAG FOR FILL @ 7597', MIRU VES FOR GYRO RUN
	11:30 - 12:00	0.50	RDMO	35	1	P		RDMO CORE-TECH & VES
	12:00 - 13:00	1.00	MIRU	33	1	P		NOTIFY PROD FOREMAN/FIELD COORDINATOR, MIRU FLARE EQUIP/PULL AUTOMATION
	13:00 - 13:05	0.08	WO/REP	52	I	X		TP500/CP500/SP100, BLOW DOWN SFC TO 0# IN 10 MINS, NO FLUID PRODUCED, PUT GAUGE IN SFC VALVE, \ SFC REMAINED DEAD THROUGHOUT JOB
	13:05 - 14:30	1.42	WO/REP	33	F	P		BLOW DOWN CSG THROUGH FLARE TO 80#, PUMPED 55 BBLS WATER W/BIO DOWN CSG WHILE FLARING TBG TO 80#, CSG WENT ON VAC @ 4 BBLS AWAY, PUMPED 25 BBLS DOWN TBG, WENT ON VAC @ 2 BBLS AWAY, 10.8 MCF'S BURNED
	14:30 - 15:00	0.50	RDMO	33	1	P		SWI, RDMO FLARE EQUIP
7/12/2016	-							
7/14/2016	17:30 - 18:30	1.00	WO/REP	30	A	P		MI RIG, SPOT BASE BEAM, SPOT PUMP, SPOT WORK TANK, SPOT CMT TANK
	18:30 - 19:00	0.50	WO/REP	30	G	P		COMPLETE POST DAY INSPECTION, SDFN RIG CREW TRAVEL HOME FOR THE DAY
7/15/2016	6:00 - 6:30	0.50	WO/REP	30	G	P		TRAVEL TO LOCATION, FILL OUT JSA & HAVE SAFETY MEETING W/RIG CREW, INSPECT EQUIPMENT PRE JOB CHECK TO ELIMINATE JOB ISSUES, FUNCTION TEST BOP, CHECK WELL PRESSURE PSI CP-780#, TP-500#, SP-40#
	6:30 - 6:40	0.17	WO/REP	48	B	P		RIG-SAFETY MEETING & JSA DISCUSS STOP WORK, PINCH POINTS, SLIPS, TRIPS, FALLS, CONFINED SPACES, PRESSURE, LIFTING TECHNIQUES, DAILY JOB PLANS, WEATHER, SPILLS, MOVING EQUIPMENT ON LOCATION, HOUSE KEEPING ON LOCATION, & OPEN COMMUNICATION
	6:40 - 6:45	0.08	WO/REP	52	I	X		CHECK BRADENHEAD PRESSURE WITH 100PI GAUGE, GAUGE READ 40PSI, TEST FAILED, BLOW DOWN IN 5SEC. FROM SURFACE CSG VALVE
	6:45 - 7:15	0.50	WO/REP	30	A	P		RIG, RU RIG ONTO BASE BEAM, RU PUMP & TANK
	7:15 - 9:00	1.75	WO/REP	30	E	P		KILL WELL TP-500#, CP-700#, SP-40#, FLARE WELL DOWN TO 250#, PUMPED 45BBLS WATER DOWN CSG, PUMP 25BBLS WATER DOWN TBG, WELL WENT ON A SUCK
	9:00 - 9:45	0.75	WO/REP	30	F	P		ND WH, NU BOP, RIG UP RIG FLOOR GETTING READY FOR NORMAL OPERATIONS, UNLAND TBG W/38,000LBS
	9:45 - 11:30	1.75	WO/REP	31	S	P		TOOH W/EMI 96JTS YELLOW, 144JTS BLUE, STD BACK 240JTS 2.375" TBG

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	11:30 - 13:30	2.00	WO/REP	31	I	P		THI W/RBP SET @ 6994' 226JTS 2.375" TBG XN NIPPLE DOWNHOLE TOOLS-RBP
	13:30 - 14:30	1.00	WO/REP	31	H	P		CIRCULATE GAS OUT FULL RETURNS 2.5BPM @ 900PSI FOR 112.5BBLs
	14:30 - 14:40	0.17	WO/REP	48	B	P		HIGH PSI-SAFETY MEETING - JSA ON THE HAZARDS OF HIGH PRESSURE, KEEP ALL VEHICLES 50' FROM WH, MAKE SURE GOOD EYE CONTACT WITH PUMP OPERATOR, KEEP ALL UNNECESSARY PERSONAL OUT OF RED ZONE, DISCUSS STOP WORK AUTHORITY, DISCUSS ESCAPE ROUTES & SLIPS TRIPS AND FALLS
	14:40 - 15:00	0.33	WO/REP	52	F	P		PT RBP & CSG TO 5000# FOR 15MIN - GOOD TEST
	15:00 - 15:15	0.25	WO/REP	31	I	P		PUH TO 6677' STD BACK 10JTS 2.375" TBG
	15:15 - 15:45	0.50	WO/REP	31	H	P		SPOT 2sx SAND PLUG ON TOP RBP
	15:45 - 16:00	0.25	WO/REP	31	I	P		PUH TO 6370' STD BACK 10JTS 2.375" TBG
	16:00 - 16:30	0.50	WO/REP	30	G	P		SIW, COMPLETE POST DAY INSPECTION, SDFN RIG CREW TRAVEL HOME FOR THE DAY
7/18/2016	6:00 - 6:30	0.50	WO/REP	30	G	P		TRAVEL TO LOCATION, FILL OUT JSA & HAVE SAFETY MEETING W/RIG CREW, INSPECT EQUIPMENT PRE JOB CHECK TO ELIMINATE JOB ISSUES, FUNCTION TEST BOP, CHECK WELL PRESSURE PSI CP-0#, TP-0#, SP-10#
	6:30 - 6:45	0.25	WO/REP	48	B	P		RIG-SAFETY MEETING & JSA DISCUSS STOP WORK, PINCH POINTS, SLIPS, TRIPS, FALLS, CONFINED SPACES, PRESSURE, LIFTING TECHNIQUES, DAILY JOB PLANS, WEATHER, SPILLS, MOVING EQUIPMENT ON LOCATION, HOUSE KEEPING ON LOCATION, & OPEN COMMUNICATION
	6:45 - 6:50	0.08	WO/REP	52	I	X		CHECK BRADENHEAD PRESSURE WITH 100PI GAUGE, GAUGE READ 10PSI, TEST FAILED, BLOW FROM SURFACE CSG VALVE FOR 1SEC
	6:50 - 8:30	1.67	WO/REP	31	I	P		TOOH,  STD BACK 206JTS 2.375" TBG LD XN NIPPLE LD RETRIEVING HEAD
	8:30 - 10:30	2.00	WO/REP	30	F	P		RD RIG FLOOR, ND BOP, ND WH, UNLAND CSG W/60,000LBS, NU DUEL ENTRY FLANGE, NU BOP, RU RIG FLOOR
	10:30 - 11:30	1.00	WO/REP	31	I	P		TIH TO 1724',  53JTS 1.25" TBG 2' MULE SHOE
	11:30 - 14:30	3.00	WO/REP	31	H	P		CIRCULATE GAS OUT & CONDITION - FULL RETURNS 1.5BPM @ 1000PSI FOR 270BBLs
	14:30 - 15:00	0.50	WO/REP	31	H	P		SPOT 40BBLs 10PPG MUD

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7/19/2016	15:00 - 15:30	0.50	WO/REP	31	I	P		TOOH,  LD 7JTS 1.25" TBG STD BACK 46JTS 1.25" TBG LD 2' MULE SHOE
	15:30 - 16:00	0.50	WO/REP	30	G	P		SIW, COMPLETE POST DAY INSPECTION, SDFN RIG CREW TRAVEL HOME FOR THE DAY
	6:30 - 7:00	0.50	WO/REP	30	G	P		TRAVEL TO LOCATION, FILL OUT JSA & HAVE SAFETY MEETING W/RIG CREW, INSPECT EQUIPMENT PRE JOB CHECK TO ELIMINATE JOB ISSUES, FUNCTION TEST BOP, CHECK WELL PRESSURE SP-0#, CP-0#
	7:00 - 7:15	0.25	WO/REP	48	B	P		RIG-SAFETY MEETING & JSA DISCUSS STOP WORK, PINCH POINTS, SLIPS, TRIPS, FALLS, CONFINED SPACES, PRESSURE, LIFTING TECHNIQUES, DAILY JOB PLANS, WEATHER, SPILLS, MOVING EQUIPMENT ON LOCATION, HOUSE KEEPING ON LOCATION, & OPEN COMMUNICATION
	7:15 - 7:20	0.08	WO/REP	52	I	P		CHECK BRADENHEAD PRESSURE WITH 100PI GAUGE, GAUGE READ 0PSI, TEST PASSED, NO BLOW FROM SURFACE CSG VALVE  MIRU SCHLUMBERGER CEMENT CREW, MIRU RELIABLE WATER/VAC TRUCK
	7:20 - 8:15	0.92	WO/REP	31	I	P		TIH TO 1527'  47JTS 1.25" TBG 2' MULE SHOE
	8:15 - 8:30	0.25	WO/REP	48	B	P		CEMENT-SAFETY MEETING & JSA DISCUSS STOP WORK, HIGH PRESSURE PUMPING, PINCH POINTS, EMERGENCY MEASURES IF SOMETHING HAPPENS, CLOSEST ER
	8:30 - 9:45	1.25	WO/REP	51	C	P	(61 bbl 292 sks) cement ticket	PUMP 10BBLS FRESH WATER 1.5BPM @ 1000PSI, MIX & PUMP 289sx G+ADDS @ 15.8PPG, 1.17YLD, 5.112GPS, 60.2BBLS, 1.5BPM, 1000PSI, DISPLACE TO BALANCE CMT W/0.5BBL H2O, 1.5BPM, 1000PSI, WASH UP CMT UNIT
	9:45 - 10:15	0.50	WO/REP	31	I	P		TOOH,  LD 1JTS 1.25" TBG STD BACK 46JTS 1.25" TBG LD 2' MULE SHOE
	10:15 - 11:45	1.50	WO/REP	30	F	P		RDMO SCLUMBERGER CEMENT CREW RD RIG FLOOR, ND BOP, ND DUEL ENTRY EQUIPMENT, LAND CSG W/60,000LBS, NU WH, NU BOP, RU RIG FLOOR  RELIABLE PULL A LOAD FROM CEMENT TANK AND HUAL TO ARF
	11:45 - 12:15	0.50	WO/REP	31	I	P		TIH TO 1527',  47JTS 1.25" TBG 2' MULE SHOE

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7/20/2016	12:15 - 12:45	0.50	WO/REP	31	H	P		CIRCULATE FULL RETURNS 1.5BPM @ 1000PSI FOR 40BBLs
	12:45 - 13:30	0.75	WO/REP	31	I	P		TOOH,  LD 47JTS 1.25" TBG LD 2' MULE SHOE
	13:30 - 14:00	0.50	WO/REP	30	G	P		SIW, COMPLETE POST DAY INSPECTION, SDFN RIG CREW TRAVEL HOME FOR THE DAY
	6:00 - 6:30	0.50	WO/REP	30	G	P		TRAVEL TO LOCATION, FILL OUT JSA & HAVE SAFETY MEETING W/RIG CREW, INSPECT EQUIPMENT PRE JOB CHECK TO ELIMINATE JOB ISSUES, FUNCTION TEST BOP, CHECK WELL PRESSURE SP-0#, CP-0#
	6:30 - 6:45	0.25	WO/REP	48	B	P		RIG-SAFETY MEETING & JSA DISCUSS STOP WORK, PINCH POINTS, SLIPS, TRIPS, FALLS, CONFINED SPACES, PRESSURE, LIFTING TECHNIQUES, DAILY JOB PLANS, WEATHER, SPILLS, MOVING EQUIPMENT ON LOCATION, HOUSE KEEPING ON LOCATION, & OPEN COMMUNICATION
	6:45 - 6:50	0.08	WO/REP	52	I	P		CHECK BRADENHEAD PRESSURE WITH 100PI GAUGE, GAUGE READ 0PSI, TEST PASSED, NO BLOW FROM SURFACE CSG VALVE
	6:50 - 7:15	0.42	WO/REP	48	B	P		<b>MIRU RELIANCE WIRELINE</b> WIRE LINE-SAFETY MEETING & JSA DISCUSS STOP WORK, EXPLOSIVE MATERIAL, RED AREA TO STAY AWAY, PINCH POINT, TRIPPING POINTS, OVERHEAD CABLES
	7:15 - 8:15	1.00	WO/REP	41	A	P		<b>PU &amp; RIH W/CCL, VDL, CBL, GR, LOGGING TOOL, LOG FROM 3000' TO SURFACE, LD TOOL, SEND LOGS TO ENGINEERING</b>
	8:15 - 9:45	1.50	WO/REP	31	I	P		TIH TO 6994'  226JTS 2.375" TBG XN NIPPLE RETRIEVING HEAD
	9:45 - 10:30	0.75	WO/REP	31	H	P		<b>CIRCULATE SAND OFF RBP</b> FULL RETURNS 2.5BPM @ 900PSI FOR 100BBLs
	10:30 - 12:15	1.75	WO/REP	31	I	P		<b>RELEASE RBP &amp; TOOH,</b>  STD BACK 226JTS 2.375" LD XN NIPPLE LD RBP
	12:15 - 13:30	1.25	WO/REP	31	I	P		TIH TO 7438'  240JTS 2.375" TBG XN NIPPLE W/1.871 I.D. 2.375" NOTCHED COLL.AR
	13:30 - 14:15	0.75	WO/REP	31	Y	P		RIH W/1.9" BROACH TO 7438', NO TIGHT SPOTS
	14:15 - 14:45	0.50	WO/REP	30	F	P		RIG DOWN RIG FLOOR GETTING READY FOR RIG MOVE, ND BOP STORE BOP'S ON BASE BEAM, NU WH
								MIRU NAILL SERVICES TORQUE & TEST EQUIPMENT

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	14:45 - 15:00	0.25	WO/REP	48	B	P		HIGH PSI-SAFETY MEETING - JSA ON THE HAZARDS OF HIGH PRESSURE, KEEP ALL VEHICLES 50' FROM WH, MAKE SURE GOOD EYE CONTACT WITH PUMP OPERATOR, KEEP ALL UNCESSARY PERSONAL OUT OF RED ZONE, DISCUSS STOP WORK ATHORITY, DISCUSS ESCAPE ROUTS & SLIPS TRIPS AND FALLS
	15:00 - 15:30	0.50	WO/REP	52	F	P		TORQUE & TEST, PT WH TO 5000# FOR 15MIN, CHECKING FOR LEAKS AROUND TBG HEAD, GOOD TEST
	15:30 - 16:00	0.50	WO/REP	30	G	P		COMPLETE POST DAY INSPECTION, SDFN RIG CREW TRAVEL HOME FOR THE DAY
7/21/2016	6:00 - 6:30	0.50	WO/REP	30	G	P		TRAVEL TO LOCATION, FILL OUT JSA & HAVE SAFETY MEETING W/RIG CREW, INSPECT EQUIPMENT PRE JOB CHECK TO ELIMINATE JOB ISSUES
	6:30 - 6:45	0.25	WO/REP	48	B	P		RIG-SAFETY MEETING & JSA DISCUSS STOP WORK, PINCH POINTS, SLIPS, TRIPS, FALLS, CONFINED SPACES, PRESSURE, LIFTING TECHNIQUES, DAILY JOB PLANS, WEATHER, SPILLS, MOVING EQUIPMENT ON LOCATION, HOUSE KEEPING ON LOCATION, & OPEN COMMUNICATION
	6:45 - 8:30	1.75	WO/REP	30	C	P		RDMO CONCORD 7, RIG DOWN PUMP & LINES, RD BOP'S, RD GUIDE CABLES, LOWER DERRICK, LOAD UP BASE BEAM, LOAD UP PUMP & TANK MOVE EVERYTHING OFF LOCATION INSPECT LOCATION FOR HOUSE KEEPING MAKING SURE LOCATION WAS LEFT BETTER THAN WE ARRIVED
7/28/2016	12:30 - 13:30	1.00	MIRU	42	B	P		MIRU ACE 20
	13:30 - 13:45	0.25	WO/REP	48	B	P		SLIPS TRIPS, PINCH POINTS, MUSTER, PRESSURE, GAS RELEASES AND TEAM LIFT
	13:45 - 14:00	0.25	WO/REP	42	B	P		FLOW
	13:45 - 13:45	0.00	WO/REP	52	I	P		SC 0
	14:00 - 14:30	0.50	RDMO	42	B	P		RDMO ACE 20