

Crane, Blk. 31, Sec 35 42-163-05343

Operations Summary Report

Legal Well Name: BLOCK 31 UNIT SD #2
 Common Well Name: BLOCK 31 UNIT SD #2
 Event Name: RECOMPLETION
 Contractor Name: KEY ENERGY SERVICES
 Rig Name: RIG 191
 Start: 12/5/2007
 Spud Date:
 End:
 Rig Release:
 Rig Number:

Date	From - To	Hours	Task	Code	NPT	Phase	Description of Operations
12/5/2007	06:00 - 07:30	1.50	MOB	P		PRE	TRAVEL TO THE SCHROCK 24-6
	07:30 - 08:30	1.00	MOB	P		PRE	SAFETY MTG, MADT AND JSEA'S ON LOADING OUT SUCKER RODS, RENTAL EQUIP AND MOVING THE WSU. LOAD OUT OLD SUCKER RODS TO TUBOSCOPE. LOAD OUT RENTAL EQUIP.
	08:30 - 10:00	1.50	MOB	P		PRE	ROAD THE WSU TO KEYS CRANE YARD.
	10:00 - 11:00	1.00	MOB	P		PRE	ROAD RENTAL EQUIPMENT TO THE BLOCK 31 UNIT SD- #2
	11:00 - 13:00	2.00	MOB	P		PRE	WASH MUD OFF OF THE WSU FROM THE SCHROCK 38- # 8 ROAD.
	13:00 - 13:30	0.50	MOB	P		PRE	ROAD THE WSU TO THE BLOCK 31 UNIT SD- # 2.
	13:30 - 16:30	3.00	RIGU	P		LOWER2	JSEA'S, SPOT RENTAL EQUIP. AND RU THE WSU. LOCATION IS EXTREMELY SMALL 50' X 50', NO PAD PAST THE ANCHORS IN ANY DIRECTION. SET FRAC TANK, GO TO YARD AND PU 3- JTS TBG AND PLUMB FRAC TANK.
	12/6/2007	06:00 - 07:30	1.50		P		OTHCMP
07:30 - 08:30		1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON TYING BACK & BLEEDING AND KILLING THE WELL.
08:30 - 09:30		1.00		P		OTHCMP	CHECK PRESSURES, 120 PSI ON TBG, CSG DEAD, BLEED TBG DOWN TO FRAC TANK AND CSG WENT ON A VACUUM, TIE BACK WSU TO PULL TBG.
09:30 - 10:00		0.50		P		OTHCMP	SAFETY MTG, HOT WORK PERMIT AND JSEA ON HOT OIL OPERATIONS.
10:00 - 11:30		1.50		P		OTHCMP	RU HOT OILER, TEST LINE TO 600 PSI AND HOT OIL TBG. W/ 50 BBLs OF LEASE OIL FOLLOWED BY 50 BBLs OF HOT WATER. RD HOT OILER.
11:30 - 12:30		1.00		P		OTHCMP	TBG ON A VACUUM, CASING DEAD. JSA, RU SLICKLINE UNIT, RUN GAUGE RING, RUN AND SET BLANKING PLUG IN 1.78" 'R' PROFILE NIPPLE. POH W/ SLICK LINE AND RD UNIT. STILL PARAFFIN IN TBG.
12:30 - 13:00		0.50		P		OTHCMP	LOAD TBG W/ FRESH WATER AND TEST TO 1,000 PSI, TESTED GOOD.
13:00 - 15:30		2.50		P		OTHCMP	ND TREE, BOLTS VERY HARD TO BREAK. BACK OUT LOCK DOWN SCREWS. PULL WRAP AROUND.
15:30 - 16:30		1.00		P		OTHCMP	NU BOP
16:30 - 17:00		0.50		P		OTHCMP	SECURE AND SION.
12/7/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON CHECKING PRESSURES, BLEEDING WELL AND PULLING BLANKING PLUG.
	08:30 - 09:30	1.00		P		OTHCMP	RU SLICKLINE UNIT AND RUN IN TBG TO PUNCH HOLE AND FISH BLANKING PLUG, HIT PARAFFIN AT 28', MADE SECOND RUN WITH SINKER BAR AND STOPPED IN THE SAME PLACE. RD SLICKLINE UNIT.
	09:30 - 10:00	0.50		P		OTHCMP	JSA, RELEASE THE ON- OFF TOOL AND ANNULUS BEGAN TO U-TUBE UP TBG. SHUT TIW VALVE AND HOOKED TBG UP TO THE FRAC TANK. OPENED TIW VALVE AND LET TBG. FLOW TO FRAC TANK, STRONG FLOW FOR 10 MIN. CLOSED TIW VALVE AND LATCHED BACK ON TO ON- OFF

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12/7/2007	09:30 - 10:00	0.50		P		OTHCMP	TOOL.
	10:00 - 11:00	1.00		P		OTHCMP	RU SLICKLINE UNIT AND RAN IN TBG TO 1,318'. TOOL STOPPED GOING.
	11:00 - 12:00	1.00		P		OTHCMP	PULL SLICKLINE AND RD UNIT. JSA, RU AND REVERSE CIRC. TWO TBG VOLUMES = 65 BBLS TO THE FRAC TANK. 800 PSI MAX. AT 2- BPM.
	12:00 - 14:00	2.00		P		OTHCMP	RUN SLICKLINE IN TBG AND PUNCH 1/2" HOLE IN PLUG, TBG ON A VACUUM, EQUALIZE AND PULL TOOLS. RUN IN AGAIN AND FISH BLANKING PLUG. GET OFF OF ON- OFF TOOL AND DRAIN THE ANNULUS, LATCH BACK ON TO ON- OFF TOOL.
	14:00 - 15:00	1.00		P		OTHCMP	JSA, RU POWER SWIVEL AND TORQUE PACKER, WORK AND RELEASE THE PACKER. RD THE POWER SWIVEL.
	15:00 - 15:30 15:30 - 16:30	0.50 1.00		P P		OTHCMP OTHCMP	JSA, RU FLOOR TO PULL TBG AND PKR. POH W/ TBG AND PKR, LAYING TBG DOWN DUE TO PARAFFIN. LD 112 JTS, LEFT 146 JTS = 4,670' IN THE WELL FOR KILL STRING.
12/10/2007	16:30 - 17:00	0.50		P		OTHCMP	SECURE THE WELL AND SD FOR THE WEEKEND.
	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON CHECKING PRESSURES, BLEEDING AND KILLING WELL AND FINISH LAYING DOWN TBG AND PKR.
	08:30 - 09:00	0.50		P		OTHCMP	CHECK PRESSURES, TBG AND CSG ON A VACUUM. NOTIFIED TRRC OPERATOR, AMY IN MIDLAND OF RECOMPLETION. JOB # GIVEN IS : 13138
	09:00 - 11:30	2.50		P		OTHCMP	CONT. TO LD 2.375" TBG STRING. ONLY HAD 256 JTS OF TBG, NOT 258 JTS AS SHOWN IN PROCEDURE.
	11:30 - 12:00	0.50		P		OTHCMP	SAFETY MTG, JSA & LIFTING PERMIT WITH APOLLO PERFORATORS ON WIRE LINE WORK.
12/11/2007	12:00 - 12:30	0.50		P		OTHCMP	RU WIRE LINE TRUCK.
	12:30 - 14:30	2.00		P		OTHCMP	MAKE 3.81" GUAGE RING RUN TO 8,310' TOP OF 5" 18# LINER @ 8,198' WL DEPTH WITH NO K.B. RIH W/ 3.71" CIBP. SET CIBP @ 8,250' WL DEPTH.
	14:30 - 15:00	0.50		P		OTHCMP	RD WIRE LINE TRUCK.
	15:00 - 15:30	0.50		P		OTHCMP	SECURE AND SION.
	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON CHECKING WELL PRESSURES AND WIRE LINE WORK.
	08:30 - 09:00	0.50		P		OTHCMP	CHECK WELL PRESSURE, ALL STATIC, RU APOLLO PERFORATORS.
	09:00 - 10:30	1.50		P		OTHCMP	RUN LOGS, COMPENSATED NEUTRON / GR / CCL FROM 8,000'- 6,000'
	10:30 - 12:00	1.50		P		OTHCMP	PU DUMP BAILER AND RIH, DUMP 2 SX CMT. = 20' ON TOP OF CIBP @ 8,250'
	12:00 - 13:00	1.00		P		OTHCMP	POH W/ WIRE LINE AND RD DUMP BAILER. JSA REVIEW AND LOAD OUT 256 JTS OF 2.375" 4.7# J-55 TBG. WITH PARAFFIN IN IT. UNLOAD AND RACK 260 JTS OF 2.375" 4.7# L-80 YELLOW

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12/11/2007	12:00 - 13:00	1.00		P		OTHCMP	BAND TBG. TALLY NEW TBG.
	13:00 - 13:30	0.50		P		OTHCMP	SECURE THE WELL SITE AND SION.
12/12/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON PERFORATING OPERATIONS AND KILLING THE WELL.
	08:30 - 09:00	0.50		P		OTHCMP	RU TO PERFORATE.
	09:00 - 09:30	0.50		P		OTHCMP	TEST LUBRICATOR.
	09:30 - 12:30	3.00		P		OTHCMP	MAKE PERFORATING RUN #1 AND PERFORATE THE 7" CSG FROM 7662'- 7675' W/ 27 SHOTS AND FROM 7616'- 7620' W/ 9 SHOTS ALL ON 120 DEGREE PHASING. FLUID LEVEL @ 4250'
							MAKE PERFORATING RUN #2 AND PERFORATE THE 7" CSG FROM 7629'- 7648' W/ 39 SHOTS ON 120 DEGREE PHASING. FLUID LEVEL @ 4100'.
							MAKE PERFORATING RUN #3 AND PERFORATE THE 7" CSG FROM 7600'- 7607' W/ 15 SHOTS AND FROM 7586'- 7593' W/ 15 SHOTS ALL ON 120 DEGREE PHASING. FLUID LEVEL @ 4100'
	12:30 - 13:00	0.50		P		OTHCMP	RD APOLLO PERFORATORS.
	13:00 - 13:30	0.50		P		OTHCMP	WELL BUILT UP 100 PSI IN 30 MIN. WHILE RIGGING DOWN APOLLO PERFORATORS. JSA, BLEED DOWN TO FRAC TANK, STRONG GAS BLOW FOR 15 MIN.
	13:30 - 14:00	0.50		P		OTHCMP	JSA, PU STRADDLE PKR ASSEMBLY.
	14:00 - 14:30	0.50		P		OTHCMP	KILL WELL W/ 50 BBLS OF FW.
	14:30 - 16:30	2.00		P		OTHCMP	PU 162 JTS OF TBG. AND RIH W/ STRADDLE PKR ASSEMBLY TO 5,150'
12/13/2007	16:30 - 17:00	0.50		P		OTHCMP	SECURE THE WELL AND SION.
	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON CHECKING PRESSURES, BLEEDING AND KILLING THE WELL, PICKING UP TBG AND RIH W/ PKR.
	08:30 - 10:00	1.50		P		OTHCMP	CHECK PRESSURES, 700 PSI ON TBG, 625 PSI ON CSG. BLEED CSG DOWN TO FRAC TANK IN 50 MINUTES. BLEED TBG DOWN TO FRAC TANK IN 10 MINUTES. ALL GAS, NO FLUID. PUMP 50 BBLS 9.1# CUT BRINE DOWN THE CSG. WELL STILL KICKING AND BUILDING PRESSURE. PUMP ANOTHER 50 BBLS AND KILL THE WELL.
	10:00 - 12:00	2.00		P		OTHCMP	PU TBG AND CONT. TO RIH W/ STRADDLE PKR ASSEMBLY TO 7407' AND SET PKRS
	12:00 - 12:30	0.50		P		OTHCMP	TEST PKRS. TO 1,000 PSI, OK. RELEASE PKRS.
	12:30 - 14:00	1.50		P		OTHCMP	SECURE THE WELL AND SION. BLADE OFF A PLACE TO SET THREE MORE FRAC TANKS.
12/14/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON CHECKING PRESSURES, BLEEDING WELL DOWN AND LAYING FLOW BACK IRON.
	08:30 - 09:00	0.50		P		OTHCMP	CHECK WELL PRESSURES, 430 PSI ON THE CSG AND THE TBG.
	09:00 - 13:30	4.50		P		OTHCMP	RECIEVE AND REVIEW ACID PROCEDURES FROM BP AND

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12/14/2007	09:00 - 13:30	4.50		P		OTHCMP	KEY ENERGY. KEY ENERGY ACID CREW TAKING BP ORIENTATION AT WEST TEXAS SAFETY TRAINING CENTER. LAY FLOW BACK IRON AND MANIFOLD FROM THE WELL TO THE 4- FRAC TANKS FOR THE ACID JOB. CHECK FLOW BACK IRON FOR LEAKS.
	13:30 - 14:00	0.50		P		OTHCMP	BLEED THE CSG. DOWN TO 200 PSI. SECURE THE WELL AND SI FOR THE WEEKEND.
12/17/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON BLEEDING WELL DOWN AND ACIDIZING.
	08:30 - 09:00	0.50		P		OTHCMP	CHECK PRESSURES, 200 PSI ON CSG, 300 PSI ON TBG, BLEED WELL DOWN TO FRAC TANK.
	09:00 - 10:00	1.00		P		OTHCMP	RIH W/ TBG AND SET PKR @ 7658'
	10:00 - 10:30	0.50		P		OTHCMP	SAFETY MTG AND JSA W/ ALL PERSONNEL ON PUMPING THE ACID JOB.
	10:30 - 11:30	1.00		P		OTHCMP	RU TO PUMP ACID.
	11:30 - 12:00	0.50		P		OTHCMP	TEST LINES TO 4,500 PSI
	12:00 - 14:00	2.00		P		OTHCMP	ESTABLISH RATE W/ 6 BBLS OF BW AHEAD 1.5 BPM @ 2000 PSI LOAD TBG W/ 31 BBLS OF 15% NEFE ACID. ACIDIZE PERFS @ 7662- 7675 1.5 BPM @ 2000 PSI, COMMUNICATED AT 4 BBLS. PUMP 6 BBLS BW SPACER MOVE UP AND ACIDIZE PERFS @ 7629- 7648 1.6 BPM @ 1900 PSI, COMMUNICATED AT 4 BBLS. PUMP 6 BBLS BW SPACER MOVE UP AND ACIDIZE PERFS @ 7616-7620 1.5 BPM @ 1850 PSI, COMMUNICATED AT 28 BBLS. PUMP 6 BBLS BW SPACER MOVE UP AND ACIDIZE PERFS @ 7600- 7607 1.8 BPM @ 800 PSI, COMMUNICATED AT 1 BBL. PUMP 6 BBLS BW SPACER MOVE UP AND ACIDIZE PERFS @ 7586- 7593 1.6 BPM @ 2400 PSI, PUMPED 51 BBLS. FINAL FLUSH W/ 31 BBLS BW 2.5 BPM @ 2700 PSI
	14:00 - 14:30	0.50		P		OTHCMP	INITIAL SHUT IN PRESSURE 1450 PSI, 5- MIN 1360 PSI, 10- MIN 1260 PSI, 15- MIN 1220 PSI
	14:30 - 15:00	0.50		P		OTHCMP	TIE TBG TO FLOW BACK IRON AND BLEED DOWN. RIG DOWN ACID EQUIP.
	15:00 - 16:00	1.00		P		OTHCMP	LD 3 JTS OF TBG AND SET PKR @ 7505'
	16:00 - 16:30	0.50		P		OTHCMP	RUN SAND LINE AND FISH THE ACID BAR. TIE TBG INTO FLOW BACK IRON. SECURE AND SION.
12/18/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		P		OTHCMP	SAFETY MTG, MADT AND JSEA'S ON BLEEDING AND KILLING WELL, RELEASING PKR AND PULL TBG.
	08:30 - 09:00	0.50		P		OTHCMP	CHECK PRESSURES 520 PSI ON TBG, 460 PSI ON CSG. BLEED BOTH DOWN TO FRAC TANKS. RELEASE THE PKR AND PUMP 20 BBLS BW DOWN THE TBG.
	09:00 - 11:00	2.00		P		OTHCMP	POH W/ STRADDLE PKR ASSEMBLY AND LD SAME.
	11:00 - 13:00	2.00		P		OTHCMP	MAKE UP PRODUCTION ASSEMBLY AND RIH W/ 167 JTS

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12/18/2007	11:00 - 13:00	2.00		P		OTHCMP	OF TBG TO 5295'. WELL STARTED TRYING TO FLOW UP THE ANNULUS. DECISION WAS MADE TO CIRCULATE THE WELL AROUND WITH BRINE WATER WED. MORNING, BEFORE CONTINUING TO GO IN THE HOLE W/ TBG.
	13:30 - 14:00	0.50		P		OTHCMP	SECURE AND SION. SAFETY VISIT W/ DAN WESTMORELAND AND RACHAEL LAFLEUR.
12/19/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO LOCATION.
	07:30 - 08:30	1.00		P		OTHCMP	HELD A JSA MEETING. MADT MEETING (POSITIONS OF PEOPLE)
	08:30 - 09:30	1.00		P		OTHCMP	CHECK WELLHEAD PRESSURE, TBG ON VACUUM AND CSG- 150 PSIG. CIRCULATE 150 BBLs. OF 9.9 PPG BRINE THE SHORT WAY TO A SURFACE FRAC TANK. FLUID AT SURFACE AFTER PUMPING 5 BBLs.
	09:30 - 10:30	1.00		P		OTHCMP	RD FLOWBACK IRON. RUN PRODUCTION TUBING. SEE WELLBORE EQUIPMENT REPORT. SN @ 7,699' MD.
	10:30 - 13:00	2.50		P		OTHCMP	RU FLOWBACK IRON. CIRCULATE 300 BBLs. OF BRINE THE SHORT WAY AND WELL WAS STATIC W/ TRACE OF GAS. FLUID AT SURFACE AFTER PUMPING 2 BBLs.
	13:00 - 13:15	0.25		P		OTHCMP	HELD A JSA MEETING, ND SAFETY.
	13:15 - 14:15	1.00		P		OTHCMP	SET TAC W/ 22 K UP. ND BOPE. NU B-1 BONNET W/ LOWER MASTER VALVE. RU PUMPING 'T', TIW VALVE AND FLOWBACK IRON.
	14:15 - 14:30	0.25		P		OTHCMP	HELD A JSA MEETING, SWABBING SAFETY.
	14:30 - 15:30	1.00		P		OTHCMP	MONTHLY RIG SERVICE, OIL CHANGE AND LUBE. PU & MU SANDLINE LUBRICATOR.
	15:30 - 16:30	1.00		P		OTHCMP	SWAB WELL, FLUID LEVEL AT 100', EST. BHP @ 3,850 PSI. MAKE WL RUN FIVE TIMES, RECOVER @ 30 BBLs. FLUID. LEVEL DROPPING SLOWLY AND CSG. ON VACUUM.
	16:30 - 17:00	0.50		P		OTHCMP	LD LUBRICATOR AND REPLACE SWAB CUPS. SECURE WELL W/ LOWER MASTER VALVE AND TIW VALVE. CLEAN TOOLS AND SECURE EQUIPMENT. SDFN. CREWS RESTING.
12/20/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO LOCATION.
	07:30 - 08:30	1.00		P		OTHCMP	HELD A JSA MEETING, SWABBING SAFETY. MADT MEETING (PPE)
	08:30 - 08:45	0.25		P		OTHCMP	CHECK WELLHEAD PRESSURE, TBG- ZERO AND CSG. ON VACUUM. PU & MU SANDLINE LUBRICATOR.
	08:45 - 16:30	7.75		P		OTHCMP	SWAB WELL. F/L LEVEL AT 500'. MAKE 23 RUNS AND F/L AT 2,700'. RECOVER @ 115 BBLs. OF BRINE. CHANGE SWAB CUPS AND PO ELEMENTS AS NEEDED. HITTING GAS POCKETS AT TOP OF FLUID ON LAST THREE RUNS. BACKLOAD BOPE AND OFFLOAD SUCKER RODS.
	16:30 - 17:00	0.50		P		OTHCMP	LD LUBRICATOR. SECURE WELL W/ LOWER MASTER VALVE AND TIW VALVE. CLEAN TOOLS AND SECURE EQUIPMENT. SDFN. CREWS RESTING.
12/21/2007	06:00 - 07:30	1.50		P		OTHCMP	TRAVEL TO LOCATION.
	07:30 - 08:15	0.75		P		OTHCMP	HELD A JSA MEETING, SWABBING SAFETY. MADT MEETING (PPE), REVIEW THE EIGHT GOLDEN SAFETY RULES OF SAFETY. DISCUSS TAKING SAFETY HOME.
	08:15 - 08:30	0.25		P		OTHCMP	CHECK WELLHEAD PRESSURE, TBG.- 30 PSIG AND CSG.- 240 PSIG. PU & MU SANDLINE LUBRICATOR.

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12/21/2007	08:30 - 11:15	2.75		P		OTHCMP	SWAB WELL. F/L LEVEL AT 2000'. MAKE 9 RUNS. 20% OIL CUT ON 1 ST RUN, ALL BRINE ON FOLLOWING RUNS. CHANGE SWAB CUPS AND SANDLINE FLAGS. HAUL SURPLUS TUBING TO BLOCK 31 YARD.
	11:15 - 12:15	1.00		P		OTHCMP	LUNCH IN CRANE.
	12:15 - 14:15	2.00		P		OTHCMP	SWAB WELL. MAKE 5 RUNS AND F/L @ 3,100'. RECOVER 69 BBLs OF BRINE AND 1 BBL. OF OIL. TOTAL RECOVERY @ 185 BBLs. OF FLUID. CSG. PRESSURE @ 280 PSIG. LD LUBRICATOR. SECURE WELL W/ LOWER MASTER VALVE AND TIW VALVE. CLEAN TOOLS AND SECURE EQUIPMENT. DRAIN ALL WATER FROM AIR SYSTEM. SDF CHRISTMAS. CREWS RESTING.
	14:15 - 15:00	0.75		P		OTHCMP	TRAVEL TO LOCATION.
12/26/2007	06:00 - 07:45	1.75		P		OTHCMP	HELD A JSA MEETING, SWABBING SAFETY. MADT MEETING (REACTIONS OF PEOPLE)
	07:45 - 08:30	0.75		P		OTHCMP	CHECK WELLHEAD PRESSURE, TBG.- 30 PSIG AND CSG.- 920 PSIG. PU & MU SANDLINE LUBRICATOR.
	08:30 - 08:45	0.25		P		OTHCMP	SWAB WELL. F/L LEVEL AT 1500'. MAKE 23 RUNS. ALL BRINE & A TRACE OF OIL. CHANGE SWAB CUPS AND PO ELEMENTS AS NEEDED. GAS ON LAST TWO RUNS. FLUID LEVEL AT 3,600' ON LAST RUN AND CSG. PRESSURE- 820 PSIG. RECOVERED 110 BBLs. OF FLUID.
	08:45 - 17:15	8.50		P		OTHCMP	LD LUBRICATOR. SECURE WELL W/ LOWER MASTER VALVE AND TIW VALVE. CLEAN TOOLS AND SECURE EQUIPMENT. DRAIN ALL WATER FROM AIR SYSTEM. SDFN. CREWS RESTING.
12/27/2007	17:15 - 17:30	0.25		P		OTHCMP	TRAVEL TO LOCATION.
	06:00 - 07:45	1.75		P		OTHCMP	HELD A JSA MEETING, SWABBING SAFETY. MADT MEETING (TOOLS & EQUIPMENT)
	07:45 - 08:30	0.75		P		OTHCMP	CHECK WELLHEAD PRESSURE, TBG.- 30 PSIG AND CSG.- 1120 PSIG. PU & MU SANDLINE LUBRICATOR. CHANGE SANDLINE FLAGS.
	08:30 - 08:45	0.25		P		OTHCMP	SWAB WELL. F/L LEVEL AT 3,100'. MAKE 21 RUNS. ALL BRINE. RECOVER 90 BBLs. OF FLUID. CHANGE SWAB CUPS AND PO ELEMENTS AS NEEDED. GAS ON LAST FOUR RUNS. FLUID LEVEL AT 2,000' ON LAST RUN AND CSG. PRESSURE- 1040 PSIG. WELL STARTED FLOWING ON LAST RUN. LD SNADLINE LUBRICATOR AND CAP TIW VALVE. WELL FLOWING GAS W/ SOME FLUID AT 85-100 PSIG ON AN OPEN CHOKE. TOTAL FLUID RECOVERD BEFORE FLOWING = 385 BBLs.
12/28/2007	08:45 - 17:00	8.25		P		OTHCMP	CLEAN TOOLS AND SECURE EQUIPMENT. SD WS CREW FOR NIGHT. WELL TESTER STAYING W/ WELL. WELL FLOWING AN EST 2.4 MMCFD ON AN OPEN CHOKE. TBG- 180 PSIG AND CSG- 1000 PSIG. ORDER TEST SEP. FOR NEXT A.M.
	17:00 - 17:30	0.50		P		OTHCMP	TRAVEL TO LOCATION. TESTER FLOW TESTED WELL THROUGH NIGHT.
12/28/2007	06:00 - 07:45	1.75		P		OTHCMP	HELD A JSA MEETING, SWABBING SAFETY. MADT MEETING (PERMIT TO WORK)
	07:45 - 08:30	0.75		P		OTHCMP	CHECK WELLHEAD PRESSURE, TBG.- 0 PSIG AND CSG.- 440 PSIG. WELL WAS NOT FLOWING. PU & MU SANDLINE LUBRICATOR. RU ONLY ONE SWAB CUP SEGMENT.
	08:30 - 08:45	0.25		P		OTHCMP	

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 Event Name: RECOMPLETION
 Contractor Name: KEY ENERGY SERVICES
 Rig Name: RIG 191

Start: 12/5/2007
 Spud Date:
 End:
 Rig Release:
 Rig Number:

Date	From - To	Hours	Task	Code	NPT	Phase	Description of Operations
12/28/2007	08:45 - 09:15	0.50		P		OTHCMP	SWAB WELL. F/L LEVEL AT 6,700'. MAKE ONE RUN FROM SN. RECOVER 6 BBLs. OF OIL. WELL FLOWING AT 100-120 PSIG ON A 48/64 THS CHOKE.
	09:15 - 12:00	2.75		P		OTHCMP	FLOW RATE AFTER 2 HRS. - .635 MMCFD, TBG- 35 PSIG AND CSG- 220 PSIG ON A 48/64 THS CHOKE.
	12:00 - 12:15	0.25		P		OTHCMP	HELD A JSA MEETING W/ RED DOG AND CREW TO RU TEST SEP.
	12:15 - 13:45	1.50		P		OTHCMP	RU RENTAL TEST SEP. AND FLARE STACK. FLARE STACK > 100' FROM WELLHEAD AND FRAC TANKS. WELL DIED OFF DURING RU.
	13:45 - 15:30	1.75		P		OTHCMP	SWAB WELL W/ 2- SWAB CUP SEGMENTS. EST. F/L @ 6,800', UNABLE TO GET DEEPER THAN 7,400. RECOVER 2 BBLs OF OIL AND WELL FLOWING. RU TO TEST SEPERATOR AND FLOW RATE AFTER ONE HR.- .233 MMCFD, TBG- 40 PSIG AND CSG- 240 PSIG ON A 24/64 THS CHOKE.
	15:30 - 16:00	0.50		P		OTHCMP	LD SANDLINE LUBRICATOR AND CAP TIW VALVE. NOTE: SALT FOUND ON SWAB CUP MANDREL. SD WS CREW FOR HOLIDAY. TWOT WELL TESTER.
	1/2/2008	06:00 - 07:30	1.50		P		OTHCMP
07:30 - 08:30		1.00		P		OTHCMP	SAFETY MTG, MADT AND JSA'S ON FLOW TESTING WELL.
08:30 - 13:00		4.50		P		OTHCMP	FLOW TEST WELL THROUGH SEPERATOR. INITIAL SI TBG PRESSURE = 500, INITIAL SI CSG PRESSURE = 1,440. FLOW THROUGH 48/64 CHOKE, RECOVERED 10 BBLs OF OIL TOTAL, AND 0 BBLs OF WATER. FLARED GAS FROM 955 MCF AT 700 PSI INITIAL TO 50 MCF AT 250 PSI ENDING. SHUT WELL IN.
13:00 - 14:30		1.50		P		OTHCMP	JSA AND RD WSU. PULL WSU FORWARD AWAY FROM WELL, SET UP TRUCKS TO MOVE THURS. MORNING.
14:30 - 15:00		0.50		P		OTHCMP	SECURE THE WELL SITE AND TURN OVER TO WELL TESTER.
1/11/2008	10:30 - 12:00	1.50		P		RUNCMP	MOVE THE WSU AND RENTAL EQUIP. FROM THE SCHROCK 24- 8 TO THE BLOCK 31 UNIT SD- 2.
	12:00 - 12:30	0.50		P		RUNCMP	SAFETY MTG, JSEA'S AND LOTO- ENERGY ISOLATION.
	12:30 - 13:00	0.50		P		RUNCMP	SPOT RENTAL EQUIP.
	13:00 - 14:00	1.00		P		RUNCMP	RU THE WSU AND RAISE THE MAST.
	14:00 - 14:30	0.50		P		RUNCMP	TRVAEL TO THE YARD AND MOVE THE SUCKER RODS, PUMP AND PUMPING TEE HARDWARE TO LOCATION.
	14:30 - 15:30	1.00		P		RUNCMP	PREPARE RODS TO RUN IN THE WELL AND RU THE WSU TO RUN RODS ON MONDAY.
	15:30 - 16:00	0.50		P		RUNCMP	SECURE THE WSU AND LOCATION AND SD FOR THE WEEKEND.
1/14/2008	06:00 - 07:30	1.50		P		RUNCMP	TRAVEL TO THE WELL SITE.
	07:30 - 08:30	1.00		N	WAIT	RUNCMP	OPERATOR SHOWED UP WITH ONE HAND, WAIT ON KEY PUSHER TO BRING OUT HANDS.
	08:30 - 09:30	1.00		P		RUNCMP	SAFETY MTG, MADT AND JSEA'S ON BLEEDING- KILLING WELL AND RUNNING ROD PUMP ASSEMBLY. EVALUATE NEW HANDS AND CHECK FOR BP ORIENTATIONS, MOC DISCUSSION.
	09:30 - 10:00	0.50		P		RUNCMP	420 PSI ON THE CSG, 20 PSI ON THE TBG, BLEED DOWN WITH WELL TESTER AND FLARE GAS OFF.

Operations Summary Report

Legal Well Name: BLOCK 31 UNIT SD #2
 Common Well Name: BLOCK 31 UNIT SD #2
 Event Name: RECOMPLETION
 Contractor Name: KEY ENERGY SERVICES
 Rig Name: RIG 191

Start: 12/5/2007 Spud Date:
 End:
 Rig Release:
 Rig Number:

Date	From - To	Hours	Task	Code	NPT	Phase	Description of Operations
1/14/2008	10:00 - 10:30	0.50		P		RUNCMP	KILL THE TBG W/ 25 BBLs OF BRINE WATER.
	10:30 - 11:00	0.50		P		RUNCMP	KNOCK RED DOG IRON LOOSE FROM THE TBG, MU PUMPING TEE, ROD BOP ETC.
	11:00 - 15:00	4.00		P		RUNCMP	RU TO RUN ROD PUMP ASSEMBLY.
	15:00 - 15:30	0.50		P		RUNCMP	PICK UP NEW RODS AND RUN THE ROD PUMP ASSEMBLY.
	15:30 - 16:00	0.50		P		RUNCMP	TAG AND SPACE OUT, PU THE POLISHED ROD AND STUFFING BOX.
	16:00 - 16:30	0.50		P		RUNCMP	JSA, HANG THE HORSE HEAD AND HANG THE WELL ON.
	16:30 - 17:00	0.50		P		RUNCMP	ATTEMPT TO LONG STROKE THE PUMP WITH THE RIG, PULL ROD ON PUMP IS STUCK ON THE UP STROKE.
1/15/2008	06:00 - 07:30	1.50		P		RUNCMP	SECURE THE WELL AND SION.
	07:30 - 08:30	1.00		N	WAIT	RUNCMP	WILL PULL ROD PUMP ASSEMBLY IN THE MORNING.
	08:30 - 09:00	0.50		P		RUNCMP	TRAVEL TO THE WELL SITE.
	09:00 - 10:00	1.00		P		RUNCMP	THREE CREW MEMEBERS SHOWED UP WITH NO OPERATOR, WAIT ON OPERATOR AND ONE HAND.
	10:00 - 10:30	0.50		P		RUNCMP	SAFETY MTG, MADT AND JSEA'S ON BLEEDING AND KILLING WELL, UNHANGING WELL AND PULLING THE ROD PUMP ASSEMBLY.
	10:30 - 11:00	0.50		P		RUNCMP	340 PSI ON THE CSG, 0 PSI ON THE TBG, BLEED WELL DOWN AND FLARE GAS OFF.
	11:00 - 13:30	2.50		P		RUNCMP	PUMP 25 BBLs OF BRINE WATER DOWN TBG.
	13:30 - 14:00	0.50		P		RUNCMP	SAFETY CONVERSATION WITH DAVE CARTER AND ALL PERSONNEL.
	14:00 - 14:30	0.50		P		RUNCMP	REMOVE THE HORSE HEAD, LD THE POLISHED ROD AND STUFFING BOX.
	14:30 - 15:00	0.50		P		RUNCMP	PULL THE ROD PUMP ASSEMBLY.
1/16/2008	06:00 - 07:30	1.50		P		RUNCMP	PUMP IS FULL OF WHAT SEEMS TO BE SOME THICK OIL-SLUDGE COMBINATION.
	07:30 - 08:15	0.75		P		RUNCMP	LOAD PUMP OUT TO GO IN TO TWS FOR TEAR DOWN.
	08:15 - 09:15	1.00		P		RUNCMP	CLEAN UP TOOLS AND EQUIPMENT.
	09:15 - 09:30	0.25		P		RUNCMP	SAFETY CONVERSATION WITH DAVID CARRILLO AND ALL PERSONNEL.
	09:30 - 09:45	0.25		P		RUNCMP	SECURE THE WELL AND SION.
	09:45 - 10:30	0.75		P		RUNCMP	SET UP HOT OILER FOR WEDNESDAY MORNING.
							TRAVEL TO LOCATION

Operations Summary Report

Legal Well Name: BLOCK 31 UNIT SD #2
 Common Well Name: BLOCK 31 UNIT SD #2
 Event Name: RECOMPLETION
 Contractor Name: KEY ENERGY SERVICES
 Rig Name: RIG 191

Start: 12/5/2007 Spud Date:
 End:
 Rig Release:
 Rig Number:

Date	From - To	Hours	Task	Code	NPT	Phase	Description of Operations
1/16/2008	10:30 - 14:00	3.50		P		RUNCMP	CLEAN WSU AND LOCATION. SECURE WELL. SDFN. NOTE: ESTIMATE REPAIRS TO BE COMPLETE ON HOT OIL TRUCK BY NOON ON 1/17/08.
1/17/2008	06:00 - 07:30	1.50		P		RUNCMP	BI-MONTHLY SAFETY MEETING AT KEY'S MIDLAND YARD. MAIN TOPIC- DANGERS OF CO GAS.
	07:30 - 09:00	1.50		P		RUNCMP	TRAVEL TO CRC AND PU FLOOR CHAIN AND PAINT.
	09:00 - 10:00	1.00		P		RUNCMP	TRAVEL TO LOCATION.
	10:00 - 10:45	0.75		P		RUNCMP	HELD A JSA MEETING. MADT MEETING (CONFINED SPACE)
	10:45 - 11:00	0.25		P		RUNCMP	CHECK WELLHEAD PRESSURE, TBG- ZERO AND CSG- 400 PSIG.
	11:00 - 16:00	5.00		P		RUNCMP	WAIT ON KEY'S HOT OIL TRUCK TO BE REPAIRED, COIL WAS REPAIRED AND PUMP & LINES WERE FROZEN, PUMPED WAS THAWED AND FW REPLACED W/ BRINE. NOTE: REPAIRS COMPLETED @ 1545 HRS. HOT OIL TRUCK TO BE ON LOCATION NEXT A. M. SECURE WELL AND SDFN.
1/18/2008	06:00 - 07:30	1.50		P		RUNCMP	TRAVEL TO LOCATION
	07:30 - 08:15	0.75		P		RUNCMP	HELD A JSA MEETING, HOT OILING. ISSUE A HOT WORK PERMIT. MADT MEETING (PROCEDURES)
	08:15 - 09:00	0.75		P		RUNCMP	CHECK WELLHEAD PRESSURE, TBG- ZERO AND CSG- 400 PSIG. BLEED PRESSURE OFF CSG. TO 40 PSIG. SPOT AND RU HOT OIL UNIT. UNIT IS < 150' & > 35' FROM WELLHEAD AND HP CHECK VALVE IN PLACE NEAR WELLHEAD. PRESSURE TEST LINES TO 300 PSIG. GOOD TEST.
	09:00 - 10:15	1.25		P		RUNCMP	PUMP 20 BBLS. OF 200 DEG. FW DOWN TUBING AND 60 BBLS. OF 260 DEG. OIL W/ 25 GALS. OF 6496 CHEMICAL AND 55 GALS. OF KX-100 CHEMICAL. DISPLACE W/ 30 GALS. OF HOT BRINE WATER. ZERO TREATING PREESSURE DURING JOB.
	10:15 - 10:30	0.25		P		RUNCMP	RD HOT OIL UNIT AND RELEASE.
	10:30 - 10:45	0.25		P		RUNCMP	HELD A JSA MEETING, ROD HANDLING AND RD SAFETY.
	10:45 - 11:00	0.25		P		RUNCMP	POUR 5 GALS. OF CORR. INHIBITOR DOWN TUBING AND RU TO RUN RODS.
	11:00 - 13:45	2.75		P		RUNCMP	RIH W/ PUMP AND RODS. SEE WELLBORE EQUIPMENT REPORT. RD FLOOR AND SPACE OUT. RU EE, PU & MU PR & SB. SEAT PUMP.
	13:45 - 14:00	0.25		P		RUNCMP	HANG WELL ON AND RD FLOWLINE OFF CASING.
	14:00 - 14:15	0.25		P		RUNCMP	REMOVE LO / TO FROM PUMP UNIT AND PLACE PUMP JACK IN DOWN STROKE POSITION.
	14:15 - 14:30	0.25		P		RUNCMP	LOAD TUBING W/ BRINE WATER AND TEST TO 500 PSIG, GOOD TEST. LONG STROKE PUMP AND CHECK PUMP ACTION, GOOD.
	14:30 - 15:30	1.00		P		RUNCMP	SECURE WELL W/ PLUGS. CLEAN TOOLS AND RD WSU. PULL AWAY FROM WELLHEAD. SD FOR WEEKEND. CREWS RESTING.

BP AMERICA Daily Operations Report

Page 2 of 2

Operator: BP AMERICA	Rig: RIG 191	Report: 6
Well: BLOCK 31 UNIT SD #2	Event: RECOMPLETION	Date: 12/17/2008
Field: BLOCK 31	Well Type:	
Objective: ADD PERFORATIONS	Job Number: 2	Acct Proj No: X5-004VL

Operations Summary

From-To Op. Depth	Hrs	Unit	Phase	Task	Activity	Code	NPT	Operation
15:30-16:00	0.50	RIG			RD	P		RIG DOWN HALLIBURTON LINES AND HOOK UP RED DOG TEST LINES TO WELL HEAD.
16:00-17:00	1.00	RIG			WELTST	P		OPENED UP WELL TO TEST MANIFOLD WITH PSI @ 1310, BLED TO TANK ON A 20/64 CHOKE, BLED DOWN TO 50 PSI IN 17 MIN. (CHOKE OPEN 64/64.) RED DOG TESTING WILL MONITOR DURING THE NIGHT.

R/U HALLIBURTON, PUMP 4 STAGE ACID JOB, R/D HALLIBURTON,

Personnel

Company		Name	No.	Hours	Company		Name	No.	Hours
BP AMERICA		JODY MITCHAM	1	12.00	SIERRA ENGINEERING		WILEY BALKUM	1	
KEY ENERGY SERVICES		RIG CREW	5	60.00	BASIC ENERGY SERVICE		VAC TRUCK, KILL TRUCK	2	24.00
SCA OIL TOOLS		SERGIO CARRASCO	1	12.00	TOTAL SAFETY US INC		SHOWER	1	12.00
HALLIBURTON ENERGY			5	60.00	BP AMERICA		SR WSL	1	12.00
RED DOG WELL TESTIN		TESTER	1	12.00	KEY ENERGY SERVICES		SAFETY TECH	1	12.00

Cumulative Task Breakdown

Task	Planned						Change of Scope						Total Hours	Total Cost USD
	Prod	% Total	NPT	% Total	WOW	% Total	Prod	% Total	NPT	% Total	WOW	% Total		
TOTALS	56.50	100.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%	56.50	111,764.05

Remarks

