

Operation Summary Report

30-021-20523

Well: BRAVO DOME UNIT 1930 041G

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Sec. Reason:

Dates of Event: 07/05/2011 - 07/08/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Code	Op Sub	Op Type	Op Details
1	07/04/2011	20:00 - 00:00	4.00	LOCM OV	RD	P	RIGGING DOWN ON BDU 1833-071G
2	07/05/2011	00:00 - 06:00	6.00	WAIT	WOEQ	PT	WAITING ON TRUCKS AND DAYLIGHT TO MOVE RIG TRUCKS WILL BE ON LOCATION AT 07:00
		06:00 - 07:00	1.00	LOCM OV	MOVE	P	SAFETY MEETING WITH TRUCKING CO. AND RIG CREW STARTED MOVING RIG TO NEXT LOCATION
		07:00 - 11:00	4.00	LOCM OV	MOVE	P	CONTINUED MOVING RIG TO LOCATION 30% MOVED OVER SAFETY BREAK: WORKING IN HOT CONDITIONS / STAYING HYDRATED
		11:00 - 15:00	4.00	LOCM OV	RU	P	CONTINUED MOVING RIG TO LOCATION 100% MOVED OVER RIGGING UP SAFETY BREAK: PJSM ON NEW LOCATION RIGGING UP SPOTTING EQUIPMENT
		15:00 - 18:00	3.00	LOCM OV	RU	P	RAISE DERRICK AND FINISH RIG UP.
		18:00 - 21:00	3.00	LOCM OV	RU	P	R/U HYDRAULIC PIPE HANDLER AND TEST. SET SUMP PUMP.
		21:00 - 21:30	0.50	OTHR	OTHER	P	RIG PRE SPUD INSPECTION SAFETY EDUCATION: HELICOPTER LANDING ZONE SAFETY
		21:30 - 00:00	2.50	DRILL	ROTVR	P	DRILLED FROM: 12' TO 147' @ 49' / HR. ROTARY - 125 RPM WT. ON BIT - 5 - 10 K GPM - 380 PUMP PRES. - 450 PSI SAFETY BREAK: HIGH PRESSURE LINES
3	07/06/2011	00:00 - 03:00	3.00	DRILL	ROTVR	P	DRILLED FROM: 148' TO 410' @ 87' / HR. ROTARY - 125 RPM WT. ON BIT - 12 - 20 K GPM - 380 PUMP PRES. - 450 PSI SAFETY BREAK: HIGH PRESSURE LINES
		03:00 - 03:30	0.50	SURV	INCL	P	WIRELINE SURVEY
		03:30 - 06:00	2.50	DRILL	ROTVR	P	DRILLED FROM: 410' TO 654' @ 97' / HR. ROTARY - 125 RPM WT. ON BIT - 12 - 20 K GPM - 380 PUMP PRES. - 450 PSI SAFETY BREAK: ELECTRICAL CONNECTIONS AROUND WATER
		06:00 - 08:30	2.50	DRILL	ROTVR	P	DRILLED FROM: 654" TO 806', TD @ 97' / HR. ROTARY - 125 RPM WT. ON BIT - 12 - 20 K GPM - 380 PUMP PRESSURE. - 450 PSI SAFETY BREAK: ELECTRICAL CONNECTIONS AROUND WATER
		08:30 - 09:00	0.50	CIRC	CNDHOL	P	CIRCULATE & CONDITION HOLE FOR RUNNING 8 5/8" CASING
		09:00 - 11:00	2.00	SURV	INCL	P	RUN SURVEY AT TD PJSM - T O H TO RUN 8 5/8" SURFACE CASING
		11:00 - 14:00	3.00	CSG	RUNCSG	P	PJSM - RIG UP & RUN 18 JTS. 8 625", 24#, J-55, 8 RDS CASING FROM SURFACE TO 786.40', TORQUE CONNECTION TO 2440 CIRCULATE LAST 3 JTS. DOWN 1 - 8 5/8" TEXAS PATTERN SHOE SET AT 786.40, 1 - SHOE JOINT 1 - INSERT FLOAT SET AT 742.35'
		14:00 - 14:30	0.50	CMT	RIGUP	P	RIG DOWN CASING EQUIPMENT CIRCULATE BOTTOMS TWICE SAFETY MEETING WITH HALLIBURTON RIG UP HALLIBURTON FOR CEMENT JOB

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		14:30 - 15:30	1.00	CMT	PRIM	P	PUMP 600 SACKS OF LEAD, INTERFILL C MIXED TO 14.8PPG, 1.35 YELD AT 6.5BPM WITH 200 PSI DROPPED PLUG @ 15:01 DISPLACED CEMENT WITH 47.2 BBLS FRESH WATER USING HALLIBURTON PUMP TRUCK AT 6 BPM WITH 273 PSI FINAL DISPLACEMENT PRESSURE. BUMP PLUG @ 15:17 WITH 575 PSI. HELD PRESSURE FOR 10 MINUTE. FLOAT EQUIPMENT HOLDING OK. CIRCULATE 283 SKS / 68 BBLS TO PIT CIP @ 15:28
		15:30 - 16:30	1.00	CMT	RIGUP	P	RIG DOWN HALLIBURTON
		16:30 - 19:30	3.00	CMT	WOC	P	WAIT ON CEMENT TO CURE
		19:30 - 23:30	4.00	CMT	WOC	P	WOC; BACK OUT LANDING JOINT; SCREW ON HEAD; N/U BOP
		23:30 - 00:00	0.50	CMT	WOC	P	INSTALLED MANDREL; TESTED ANNULAR TO 1,000# FOR 5 MINUTES. REMOVED MANDREL.
4	07/07/2011	00:00 - 01:30	1.50	CMT	RIGUP	P	FINISH N/U OF BOP AND R/U FLOOR FOR TRIPPING
		01:30 - 02:00	0.50	TRIP	BHA	P	TIH WITH PRODUCTION ASSEMBLY
		02:00 - 02:30	0.50	CSG	PIPE	P	TEST CASING TO 1000# FOR 30 MINUTES
		02:30 - 03:00	0.50	TRIP	BHA	P	R/U ROTATING HEAD RUBBER AND FINISH TIH TO CEMENT. TAGGED CEMENT @ 698'
		03:00 - 04:00	1.00	DRLO UT	DOCMT	P	DRILL CEMENT AND FLOAT EQUIPMENT TO 806'
		04:00 - 06:00	2.00	DRILL	ROTVR	P	DRILLED FROM: 806' TO 1023' @ 108' / HR. ROTARY - 90 RPM WT. ON BIT - 20 K GPM - 380 PUMP PRES. - 750 PSI SAFETY BREAK: ELECTRICAL CONNECTIONS AROUND WATER
		06:00 - 10:00	4.00	DRILL	ROTVR	P	DRILLED FROM: 1023' TO 1023' @ 1274', 63' / HR. ROTARY - 90 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 750 PSI MUD WEIGHT OUT = 8.7 PPG VIS 35 SAFETY BREAK: SAFE OPERATION OF RUNNING WIRELINE SURVEY
		10:00 - 10:30	0.50	SURV	INCL	P	WIRELINE SURVEY @ 1242' = 1.000 DEG
		10:30 - 14:30	4.00	DRILL	ROTVR	P	DRILLED FROM: 1274' TO 1425' @ 38' / HR. ROTARY - 90 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 WATER LOSS 10 % SAFETY BREAK: PINCH POINT DURING CONNECTION
		14:30 - 18:30	4.00	DRILL	ROTVR	P	DRILLED FROM: 1425' TO 1630' @ 51' / HR. ROTARY - 90 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 WATER LOSS 10 % SAFETY BREAK: MUD CHEMICALS

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		18:30 - 20:30	2.00	DRILL	ROTVR	P	DRILLED FROM: 1630' TO 1739' @ 46' / HR. ROTARY - 90 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 WATER LOSS 10 % SAFETY BREAK: MAKING CONNECTIONS
		20:30 - 21:00	0.50	SURV	INCL	P	WIRELINE SURVEY @ 1706' = 1.5 DEG
		21:00 - 00:00	3.00	DRILL	ROTVR	P	DRILLED FROM: 1739' TO 1875' @ 45' / HR. ROTARY - 90 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 WATER LOSS 10 % SAFETY BREAK: HOUSEKEEPING
5	07/08/2011	00:00 - 04:00	4.00	DRILL	ROTVR	P	DRILLED FROM: 1875' TO 2015' @ 35' / HR. ROTARY - 75 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 850 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 SAFETY BREAK: HOUSEKEEPING
		04:00 - 06:00	2.00	DRILL	ROTVR	P	DRILLED FROM: 2015' TO 2050' @ 17' / HR. ROTARY - 75 RPM WT. ON BIT - 20- 25 K GPM - 380 PUMP PRES. - 850 PSI SAFETY BREAK: PROPER TOOLS FOR JOB
		06:00 - 09:00	3.00	DRILL	ROTVR	P	DRILLED FROM: 2050' TO 2135' @ 28' / HR., TD @ 2135' ROTARY - 75 RPM WT. ON BIT - 25 - 28 K GPM - 380 PUMP PRES. - 850 PSI TORQUE ON BOTTOM = 2300 TORQUE OFF BOTTOM = 800 PRIOR TO ENTER CIMARRON MUD CHECK MUD WT = 9.2 PPG IN, OUT 9.3 VIS 38 KCL = 6% TOP OF CIMARRON = 2056' TOP OF TUBB = 2075' TD WELL @ 2135' SAFETY BREAK: MIXING MUD & CHEMICALS
		09:00 - 11:00	2.00	CIRC	CNDHOL	P	PUMP 20 BBLs SWEEP TO CONDITION HOLE , WATER LOSS CHECK WATER LOSS @ 11:00 9CC
		11:00 - 13:30	2.50	TRIP	DRILL	P	PJSM WITH CREW ABOUT TRIPPING PIPE, DROP SURVEY AND TRIP OUT OF HOLE T O H , FROM 2135'

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		13:30 - 14:00	0.50	CSG	RIGUP	P	PULL ROTATING HEAD RUBBER, R/U TOP DRIVE, BALES AND ELEVATORS TO RUN 5 1/2' PRODUCTION CASING
		14:00 - 16:30	2.50	CSG	RUNCSG	P	PJSM WITH RIG CREW: RUNNING CASING RUN 5.5, CASING 12.5' TO 2129', TORQUE CONNECTIONS TO 2170 AVERAGE FT/LB AS FOLLOWS: 1 GUIDE SHOE = (2129') 1 SHOE JT = (2117.58' TO 2129.00') 1 FLOAT INSERT = (2117.58') 50 JTS. 5.5, 15#, J-55, PRODUCTION CASING, (2117.58')
		16:30 - 17:00	0.50	CSG	RUNCSG	P	BACK OFF 5 1/2' COLLAR INSTALLED WELLHEAD MANDRILL ON LANDING JOINT SUCCESSFULLY LANDED MANDRILL IN WELLHEAD
		17:00 - 17:30	0.50	CIRC	CNDHOL	P	PJSM - RIG UP HALCO CEMENTING HEAD CIRCULATE AND CONDITION HOLE FOR CEMENT JOB SAFETY MEETING WITH ALL PERSONAL ON LOCATION
		17:30 - 19:30	2.00	CMT	PRIM	P	CEMENT 5 1/2" CASING AS FOLLOWS: PRESSURE TEST LINES TO 2500 PSI PUMPED 20 BBL FRESH WATER SPACER LEAD CEMENT: - 11.1 PPG PREMIUM PLUS WITH 2% CACL, 300 SACKS - 0.25 LBM/SACK POLY E FLAKE - YIELD: 3.25 CUFT/SACK - SLURRY VOLUME: 173 BBLs - PUMP RATE: 6 BBL/MIN - CASING PRESSURE: 187 PSI TAIL CEMENT: - 13.2 PPG PREMIUM PLUS CEMENT WITH 2% CC, 150 SACKS - SLURRY VOLUME: 50 BBLs - 0.25 LBM/SACK POLY E FLAKE - YIELD: 1.85 CUFT/SACK - PUMP RATE: 6 BBL/MIN - CASING PRESSURE: 120 PSI DISPLACE WITH 50.5 BBL OF FRESH WATER - PUMP RATE: 6.5 BBL/MIN - CASING PRESSURE: 480 PSI - BUMPED PLUG AT 2 BBL/MIN AT 890PSI - CIRCULATED 90.5BBLs (156 SACKS) OF CEMENT TO SURFACE
		19:30 - 21:00	1.50	BOP	RDBOP	P	N/D BOP FROM WELLHEAD SAFETY MEETING: SUSPENDED LOADS
		21:00 - 00:00	3.00	SRFE Q	RIGUP	P	CLEANING PITS. RIG RELEASED @ 23:59 ON 7/8/11