

OXY USA BRAVO DOME

Operation Summary Report

Well: BRAVO DOME UNIT 2233 181J
 Project: BRAVO DOME
 Site: BRAVO DOME C02 UNIT

Event Name: DEV DRILLING
 Prim. Reason: ORIG DRILL VERT
 Start Date: 8/13/2011
 End Date: 8/17/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	08/13/2011	06:00 - 07:00	1.00	CONT RD, CONT CLEANING PITS, WHILE DUMPING FW FROM RIG TANK, RESERVE OVERFLOWED ON LOW CORNER OF PIT. NOTIFIED ALL CONCERNED PARTIES. SPILL WAS LESS THAN 50 BBLS TOTAL FLUID.
		07:00 - 07:30	0.50	SAFETY MEETING: TRINIDAD RIG CREW, TRINIDAD TRUCKING, DOUBLE T TRUCKING. TAILBOARDS, TAG LINES, COMMUNICATIONS. SPEED LIMITS. SECURED LOADS. NOTIFIED NMOCD: COMPLETION BDU 2033-062G INTENTION TO SPUD AND CEMENT PLANS BDU 2233-181J
		07:30 - 12:00	4.50	FINISH RD ON BDU 2033-062G, MOVE TO BDU 2233-181J RD COMPLETE AT 10:0 HOURS. RIG 100% OFF LOCATION 13:00 HRS
		12:00 - 17:30	5.50	DERRICK STANDING AT 13:15 HOURS, 100% ON LOCATION 14:00 HOURS. TALLY & DRIFT SURFACE CASING. SURFACE TD TO BE 775'. BUILD SPUD MUD. ACCEPTED RIG AT 17:30 HRS. SAFETY BREAK: JSA MIXING CHEMICALS, MAKING CONNECTIONS
		17:30 - 21:30	4.00	DRILL 12.25" SURFACE HOLE FROM GL TO 180' CUT 180' AVG 45' FPH CIRC STEEL PITS TO 175', RET TO RESERVE, 75 RPM, 25K WOB, 435 GPM. 750 PSI PUMP PRES. MW 8.8 VIS 42 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		21:30 - 00:00	2.50	DRILL 12.25" SURFACE HOLE FROM 180' TO 378' CUT 198' AVG 80' FPH CIRCULATE THROUGH RESERVE, 75 RPM, 25K WOB, 435 GPM. 800 PSI PUMP PRES. MW 8.8 VIS 42 SAFETY BREAK: JSA WORKING ON RIG EQUIPMENT, PROPER PPE DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
2	08/14/2011	00:00 - 04:00	4.00	DRILL 12.25" SURFACE HOLE FROM 378' TO 660' CUT 198' AVG 80' FPH, CIRCULATE THROUGH RESERVE RESERVE, 75 RPM, 25K WOB, 435 GPM. 800 PSI PUMP PRES. MW 8.8 VIS 42 WIRE LINE SURVEY @ 400' INC 0.75 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		04:00 - 06:30	2.50	DRILL 12.25" SURFACE HOLE FROM 660' TO 775' CUT 115' AVG 46' FPH, CIRCULATE THROUGH STEEL PITS, 75 RPM, 25K WOB, 435 GPM. 900 PSI PUMP PRES. MW 8.9 VIS 42 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		06:30 - 07:30	1.00	PUMP HI VIS SWEEP, CIRC HOLE CLEAN FOR CASING RUN, DRIP TOTCO SAFETY BREAK: GOOD CREW DISCUSSION ON EVENTS OF THE DAY
		07:30 - 09:00	1.50	TRIP OUT LAYING DOWN PIPE. HOLE TOOK PROPER FILL. SURVEY: 775' .75 DEG
		09:00 - 09:30	0.50	RU CRT, MU TEX PATTERN SHOE ON SHOE JT. SAFETY BREAK: JSA RUNNING CASING.
		09:30 - 10:30	1.00	RUN 8 5/8" J-55, LTC, 24# SURFACE CASING SETTING DEPTH DEPTH TEX SHOE765' 18 JTS CASING 721' SHOE JT764' LANDING JT 9' INSERT FLOAT.....721.1' CASING WENT TO BOTTOM WITH NO PROBLEMS SIMOP: HALLIBURTON SPOTTING & RU NOTIFIED NMOCD, OF INTENTION TO SPUD & CEMENT @ 8:00 AM ON 8/13/11
		10:30 - 11:00	0.50	RD CRT, CIRC HOLE SIMOP: SPOT HALLIBURTON, BEGIN RU SAFETY MEETING: AIR EVAC, JSA CEMENTING, CEMENTING CONTINGENCIES
		11:00 - 12:00	1.00	CEMENT 8 5/8" CASING WITH 500 SX PREM PLUS, 2% CACL, 25 LBM POLY-E-FLAKE FULL RETURNS THRU JOB, CIRC 229 SX (55 BBLS) CEMENT TO SURFACE. BUMPED PLUG AT 12:00 HRS.
		12:00 - 16:00	4.00	WAIT 4 HRS ON CEMENT, CLEAN RIG, CLEAN & GRADE BIT, STRAP & CALIPER BHA. BUILD SWEEP MUD.

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		16:00 - 18:30	2.50	RD CEMENTING HEAD, LD LANDING JT. INSTALL WELL HEAD. NU BOPE
		18:30 - 19:00	0.50	MU TEST-PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI GOOD TEST
		19:00 - 20:00	1.00	TRIP IN HOLE WITH 7 7/8 PRODUCTION ASSEMBLY TO TOP OF CEMENT @ 694
		20:00 - 22:00	2.00	DRILL TO FLOAT AND PRESSURE TEST CASING TO 1000 PSI FOR 30 MINUTES. TEST GOOD. DRILL OUT FLOAT AND CEMENT SAFETY BREAK; JSA GOOD HOUSE KEEPING, INSPECTING LIFTING EQUIPMENT
		22:00 - 00:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 775' TO 902' CUT 127" AVG 64' FPH 70 RPM, 25K WOB, 343 GPM, 950 PUMP PRESS. CIRC OUTER RESERVE, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.6 PPG VIS 30 SAFETY BREAK: JSA LOCK OUT PROCEDURES, HAND PLACEMENT
3	08/15/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 902' TO 1220' CUT 318" AVG 80' FPH 70 RPM, 25K WOB, 343 GPM, 1050 PUMP PRESS. CIRC OUTER RESERVE, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.9 PPG VIS 34 RAN WIRE LINE SURVEY @ 1174 INC 0.5 SAFETY BREAK: MAKING CONNECTIONS, RIG SERVICE
		04:00 - 08:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1220' TO 1518' CUT 298" AVG 75' FPH 70 RPM, 25K WOB, 343 GPM, 1050 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 34
		08:00 - 12:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1518' TO 1700' CUT 182" AVG 46' FPH 70 RPM, 25K WOB, 343 GPM, 1050 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 34
		12:00 - 14:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 1700' TO 1790' CUT 90" AVG 45' FPH 70 RPM, 25K WOB, 343 GPM, 1050 PUMP PRESS. CIRC RESERVE PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 34
		14:00 - 16:00	2.00	REPAIR LEAKING HYD HOST FROM HPU TO TOP DRIVE. SAFETY BREAK WITH RELIEVING CREW. HANDLING FIBERGLASS, PRECAUTIONS WITH CURRENT FAST DRILLING SECTION. GOOD SWEEPS, KEEP PIPE MOVING
		16:00 - 20:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1790' TO 2065' CUT 275" AVG 68' FPH 70 RPM, 25K WOB, 343 GPM, 1100 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 34 SAFETY BREAK: JSA PROPER LIFTING TECHNIQUES, USING TAGLINES
		20:00 - 00:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 2065' TO 2210' CUT 145" AVG 38' FPH 70 RPM, 25K WOB, 343 GPM, 1150 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.0 PPG VIS 34 RAN WIRE LINE SURVEY @ 2064 INC 0.75

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4	08/16/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 2210' TO 2388' CUT 178' AVG 44.5' FPH 70 RPM, 25K WOB, 343 GPM, 1150 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.5 PPG VIS 339 SAFETY BREAK: JSA TRIPPING PIPE, RIG SERVICE CIMARRON TOP @ 2371' TOP TUBB TOP 2398'
		04:00 - 06:30	2.50	DRILL 7 7/8" PRODUCTION HOLE F 2388' TO 2508' CUT 120' AVG 48' FPH 70 RPM, 25K WOB, 343 GPM, 1150 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.4 PPG VIS 38
		06:30 - 08:30	2.00	DRILL 7 7/8" PRODUCTION HOLE F 2508' TO 2585' CUT 77' AVG 39' FPH 70 RPM, 25K WOB, 343 GPM, 1150 PUMP PRESS. CIRC STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.4 PPG VIS 38 SAFETY BREAK: COMMUNICATIONS, LD DP & BHA
		08:30 - 09:30	1.00	PUMP HI VIS SWEEP, CIRCULATE HOLE 2X BU.
		09:30 - 11:30	2.00	WIPER TRIP: HOLE PULLED 10K OVER 2450' TO 2100', PUMPED OUT & BACK REAMED. REST OF TRIP WENT UNEVENTFUL, TAKING PROPER FILL & GIVING PROPER DISPLACEMENT.
		11:30 - 13:00	1.50	PUMP HI VIS SWEEP, CIRCULATE HOLE CLEAN.
		13:00 - 15:00	2.00	TOH TO RUN LOGS. HOLE PULLED CLEAN, TAKING PROPER FILL SAFETY BREAK: DAY CREW & EVE CREW, HANDLING BHA, ROLLING PIPE.
		15:00 - 16:00	1.00	REMOVE ROTATING RUBBER, RU LOGGERS. SAFETY BREAK: JSA LOGGING OPS, PUTTING BEST FOOT FWD WITH SAFETY COMPLIANCE
		16:00 - 21:30	5.50	LOGS WENT TO BOTTOM W/NO PROBS. LOGGERS DEPTH 2585' LOG RUN #1 LATEROLOG / SPECTRAL GR LOG RUN #2 DENSITY / NEUTRON / GR / CCL SIMOP: MISC PREP FOR RIG MOVE.
		21:30 - 22:30	1.00	RD LOGGERS SAFETY BREAK: JSA RUNNING CASING, PINCHPOINTS
		22:30 - 23:00	0.50	RU CRT: REMOVE ROTATING RUBBER
		23:00 - 00:00	1.00	RUN 5.5", 15.5#, J-55, LTC PROD CASING TO 1832' SET DEPTH SET DEPTH GUIDE SHOE.....2565' INSERT FLOAT.....2554' SHOE JT2564' 86 JTS CASING.....2554'
5	08/17/2011	00:00 - 03:30	3.50	FINISH RUNNING 5.5", 15.5#, J-55, LTC PROD CASING SET DEPTH SET DEPTH GUIDE SHOE.....2565' INSERT FLOAT.....2554' SHOE JT2564' 86 JTS CASING.....2554'
		03:30 - 04:00	0.50	DROP BALL. CIRC & COND HOLE. SIMOP: RU HALLIBURTON SAFETY BREAK: JSA CEMENTING.
		04:00 - 04:30	0.50	FINISH RU HALLIBURTON

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		04:30 - 05:30	1.00	PUMPED CEMENT JOB AS FOLLOWS. 20 BBL FRESH WATER SPACER AT 5.5 BBL/MIN @ 150 PSI 460 SACKS OF PREMIUM W/2% CACL, LEAD CEMENT - 11.1 PPG - YIELD = 3.25 CU FT/SACK - 25 LBM POLY-E-FLAKE 150 SACKS OF PREMIUM W/2% CACL - 13.2 PPG - YIELD = 1.85 CU FT/SACK - 25 LBM POLY-E-FLAKE - DISPLACE WITH 56 BBLS OF FRESH WATER BUMPED PLUG @ 5:35 HRS WITH 987 PSI RETURNED 254 SACKS (147 BBL) TO SURFACE, FLOAT HELD
		05:30 - 06:00	0.50	R/D HALLIBURTON BEGIN RD RIG, CLEAN PITS
		06:00 - 09:30	3.50	WOC, 4 HRS TOTAL WAIT FROM PLUG DOWN. CONT RD, CONT CLEANING PITS,
		09:30 - 12:30	3.00	FINISH RD, RD MUD PUMP & PITS FINISH CLEANING PITS. MISC WELDING PROJECTS & GENERAL RIG REPAIR.. FIRST TRUCKS ON LOCATION AT 12:30 HOURS. RELEASED RIG AT 12:30 HRS, 7 HRS AFTER PLUG DOWN (4 HRS WOC / 3 HRS CLEAN PITS) NOTIFIED NMCOD OF COMPLETION AT 16:20 HRS, 8/17/2011