

30-059-20541

OXY USA INC

Operation Summary Report

Well: BRAVO DOME UNIT 2333 311G

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 8/30/2011

End Date: 9/2/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
1	08/29/2011	19:30 - 21:30	2.00	PJSM - MIRU ON NEW LOCATION, SUB-STRUCTURE SET & DRAW-WORKS & UNIT PINNED & DERRICK RAISED @ 20:00. FINISHED SETTING IN RIG & COMPONENTS BY 21:00, TRUCKS FINISHED SETTING IN THE RIG BY 21:30, AND WERE OFF LOCATION. VERY GOOD RIG MOVE. CONTINUED RIGGING UP RIG. CONTACTED ED MARTIN @ NMOCD @ 5:00 PM 8/28/2011 SAFETY BREAK: STRONG WINDS AND DEBRIS IN THE AIR.
		21:30 - 00:00	2.50	PERFORMED RIG INSPECTION & ACCEPTED RIG ON DAY-WORK CONTRACT @ 20:00 HOUR 8/29/2011 CONTINUE RIGGING UP
2	08/30/2011	00:00 - 00:30	0.50	PREP RIG FOR SPUD, STRAP BHA, FILL WATER TANKS, FILL PITS HALF FULL AND MIX SPUD MUD
		00:30 - 04:00	3.50	PJSM WITH CREW PRE SPUD SAFETY MEETING. SPUDED 12 1/4" HOLE @ 00:30 HOURS 08/29/2011 DRILL FROM: 0' TO 301' @ 72' / HR. ROTARY - 140 RPM WT. ON BIT - 5 - 10 K GPM - 357 PUMP PRES. - 784 PSI SAFETY BREAK: PINCH POINTS
		04:00 - 06:00	2.00	DRILL FROM: 301' TO 485', 184', @ 92' / HR. WIRELINE SURVEY @ 415' = 1.000 ROTARY - 140 RPM WT. ON BIT - 5 - 10 K GPM - 357 PUMP PRES. - 820 PSI SAFETY BREAK: MIXING CHEMICALS
		06:00 - 10:00	4.00	DRILL FROM: 485' TO 696', 211', @ 53' / HR. ROTARY - 140 RPM WT. ON BIT - 10-15 K GPM - 357 PUMP PRES. - 870 PSI SAFETY BREAK: WORKING IN HOT CONDITIONS / STAYING HYDRATED
		10:00 - 13:30	3.50	DRILL FROM: 696' TO 781', 85', @ 25' / HR. ROTARY - 140 RPM WT. ON BIT - 10-15 K GPM - 357 PUMP PRES. - 890 PSI ROP SLOW DOWN HARD FORMATION SAFETY BREAK: JEWELRY POLICY.
		13:30 - 14:30	1.00	CIRCULATE & CONDITION HOLE FOR SURFACE CASING JOB
		14:30 - 15:30	1.00	DROP TOTCO AND TOH TO RUN 8 5/8" SURFACE CASING SAFETY BREAK: TRIPPING PIPE
		15:30 - 16:00	0.50	PREPARE RIG TO RUN 8 5/8" CASING
		16:00 - 17:00	1.00	PJSM - RUNNING SURFACE CASING RAN 8 5/8" SURFACE CASING AS FOLLOWS: 1 - TEXAS PATTERN SHOE set @ 760' 1 - 8 5/8", 24#, STC, J - 55, SHOE JOINT WITH INSERT FLOAT SE @ 716" 18 - JOINTS OF 8 5/8", 24#, J-55, STC CASING RAN VERY WELL W/NO PROBLEMS, CASING SET AT 760'
		17:00 - 18:00	1.00	RIG UP HALCO, CIRCULATE & CONDITION HOLE FOR CEMENTING 8 5/8" SURFACE CASING. PJSM: RIG UP HALCO AND CREW

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		18:00 - 19:30	1.50	PJSM - TEST LINES TO 2,500 PSI CEMENT AS FOLLOWS: PUMP 20 BBL SPACER PUMP 500 SACKS OF LEAD, 120 BBLS, MIXED TO 14.8PPG, 1.35 YELD AT 6 BPM WITH 250 PSI DROPPED PLUG & DISPLACED CEMENT WITH 47 BBLS FRESH WATER USING HALLIBURTON PUMP TRUCK AT 6 BPM WITH 275 PSI FINAL DISPLACEMENT PRESSURE BUMP PLUG @ 19:20 PRESSURE TO 556 PSI. HELD PRESSURE FOR 10 MINUTES. FLOAT HELD. CIRCULATE (190 SKS, 45 BBLS) TO PIT
		19:30 - 23:30	4.00	W O C 4 HOURS MANDATORY, CLEAN PITS FROM CEMENT, CLEAN LOCATION SAFETY BREAK: GENERAL HOUSE KEEPING
		23:30 - 00:00	0.50	PJSM- REMOVE LANDING JOINT, SCREW ON HEAD AND FLANGE, NIPPLE UP BOP, SECURE BOP SAFETY BREAK: TALKED ABOUT HIGH PRESSURE LINES FOR TESTING PURPOSES.
3	08/31/2011	00:00 - 03:00	3.00	PJSM- REMOVE LANDING JOINT, SCREW ON HEAD AND FLANGE, NIPPLE UP BOP, SECURE BOP,
		03:00 - 03:30	0.50	TEST BOP 250 PSI LOW: TEST GOOD, TEST BOP 1000 PSI HIGH: TEST GOOD.
		03:30 - 05:00	1.50	CONTINUE NIPPLING UP: INSTALL BELL NIPPLE AND FLOWLINE. SAFETY BREAK: PROPER PLACEMENT OF BODY WHEN USING A HAMMER
		05:00 - 06:00	1.00	PJSM- MAKE UP 7 7/8 BIT AND TRIP IN HOLE WITH BHA
		06:00 - 07:00	1.00	TAG CEMENT @ 717'. TEST CASING TO 1000 PSI: TEST GOOD SAFETY BREAK: PICKING UP & HANDLING BHA & DRILL COLLARS
		07:00 - 07:30	0.50	DRILL OUT CEMENT AND FLOAT EQUIPMENT F/ 717' TO 781'
		07:30 - 11:00	3.50	DRILL FROM: 781' TO 1,101', 320', @ 91' / HR. CIRCULATING RESERVE PITS ROTARY - 100 RPM WT. ON BIT - 10-15 K GPM - 357 PUMP PRES. - 1050 PSI SAFETY BREAK: WORKING IN HOT CONDITIONS / STAYING HYDRATED
		11:00 - 15:00	4.00	DRILL FROM: 1,101' TO 1,407', 626', @ 52' / HR. CIRCULATING RESERVE PIT TILL 1300', SWITCH TO STEEL PITS WIRELINE SURVEY @1272' = 750 DEGREE ROTARY - 75 RPM WT. ON BIT - 15- 20 K GPM - 360 PUMP PRES. - 1095 PSI SAFETY BREAK: SLIPPERY SURFACES
		15:00 - 19:00	4.00	DRILL FROM: 1,407' TO 1,623', 216', @ 54' / HR. CIRCULATING STEEL PITS ROTARY - 100 RPM WT. ON BIT - 25-30 K GPM - 357 PUMP PRES. - 1050 PSI SAFETY BREAK: ELECTRICAL CONNECTIONS AROUND WATER
		19:00 - 23:00	4.00	DRILL FROM: 1,623' TO 1,763', 140', @ 35' / HR. CIRCULATING STEEL PITS ROTARY - 100 RPM WT. ON BIT - 25-30 K GPM - 357 PUMP PRES. - 1180 PSI SAFETY BREAK: PINCH POINTS
		23:00 - 00:00	1.00	DRILL FROM: 1,763' TO 1,790', 27', @ 27' / HR. CIRCULATING STEEL PITS ROTARY - 100 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1200 PSI SAFETY BREAK: MIXING CHEMICALS

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4	09/01/2011	00:00 - 04:00	4.00	DRILL FROM: 1,790' TO 1,902', 112', @ 28' / HR. CIRCULATING RESERVE PIT @1804' ROTARY - 100 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1180 PSI SAFETY BREAK: PROPER TECHNIQUE FOR PULLING AND SETTING SLIPS
		04:00 - 06:00	2.00	DRILL FROM: 1,902' TO 2,044', 142', @ 71' / HR. CIRCULATING RESERVE PIT ROTARY - 85 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1174 PSI SAFETY BREAK: FORKLIFT OPERATIONS
		06:00 - 10:00	4.00	DRILL FROM: 2,044' TO 2175', 131', @ 33' / HR. CIRCULATING RESERVE PIT ROTARY - 75 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1174 PSI SAFETY BREAK: MIXING MUD CHEMICALS
		10:00 - 14:00	4.00	DRILL FROM: 2,175' TO 2,329', 154', @ 39' / HR. CIRCULATING RESERVE PIT TILL 2200', SWITH TO STEEL PITS WIRELINE SURVEY @ 2267' = 1.000 DEGREE ROTARY - 75 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1174 PSI SAFETY BREAK: SAFE OPERATION OF RUNNING WIRELINE SURVEY
		14:00 - 18:00	4.00	DRILL FROM: 2,329' TO 2,429', 100', @ 25' / HR. CIRCULATING STEEL PITS ROTARY - 75 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1174 PSI TOP OF CIMARRON @ 2,378' MD CIMARRON DEPTH = 18' TOP OF TUBB @ = 2,396' DRILL TUBB FORM. - 190' DRILL RATHOLE - 20' TO WELLBORE @ 2,606'
		18:00 - 22:00	4.00	DRILL FROM: 2,429' TO 2,581', 152', @ 38' / HR. CIRCULATING STEEL PITS ROTARY - 75 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1174 PSI SAFETY BREAK: MIXING CHEMICALS
		22:00 - 22:30	0.50	DRILL FROM: 2,581' TO 2,606', 25', @ 50' / HR. TO WELL @ 22:30 HR CIRCULATING STEEL PITS ROTARY - 75 RPM WT. ON BIT - 25-30K GPM - 357 PUMP PRES. - 1174 PSI
		22:30 - 23:30	1.00	PJSM - CIRCULATE AND CONDITION HOLE FOR OPEN HOLE LOGS
		23:30 - 00:00	0.50	PJSM - MADE WIPER TRIP TO 8 5/8" CASING SHOE @ 781' & BACK TO BOTTOM

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5	09/02/2011	00:00 - 02:00	2.00	CONTINUE WIPER TRIP TO 8 5/8" CASING SHOE @ 781' & BACK TO BOTTOM - TRIP WENT GOOD, NO PROBLEMS, NO TIGHT SPOTS.
		02:00 - 03:00	1.00	CIRC. & CONDITION HOLE FOR OPEN HOLE LOGS. SAFETY BREAK: PINCH POINTS
		03:00 - 06:00	3.00	PJSM- DROP TOTCO AND TRIP OUT OF HOLE FOR LOGS.
		06:00 - 11:30	5.50	PJSM- RIG UP LOGGERS AND LOG TO 2606' TD RUN 1ST SET OF LOGS F/ 1800' TO 2,606', TOOLS GR-LL-MRT RUN 2 ND SET OF LOGS F/ 0' TO 2602', TOOLS GR-NEUT-DC RIG DOWN LOGGERS SAFETY BREAK: WIRELINE LOGS
		11:30 - 12:00	0.50	PJSM RIG UP TO RUN 5 1/2" PRODUCTION CASING
		12:00 - 12:30	0.50	PJSM WITH CREW ON RIGGING UP CASING TOOLS RUN 5.5" PRODUCTION 5 JTS OF STEEL CHANGE OUT CASING TOOLS FOR FIBERGLASS TOOLS
		12:30 - 15:30	3.00	PJSM WITH CREW ON TRIPPING CASING RUN 5 1/2" PROD. CSG. AS FOLLOWS: 1 - FLOAT SHOE - .50' - 2,588.30' - 2,587.80' 1 - 5 1/2", 15.5# SHOE JT. 10.84' - 2,587.80' - 2,576.96' 4 - JTS. 5 1/2", 15.5# CSG. JTS. - 187.88' - 2,576.96' - 2,389.08' 81 - JTS. FIBER GLASS 5 1/2" 2,376.58' - 2,389.08' - 12.50' 1 - LANDING JT. 5 1/2", 15.5# - 12.50' FIBERGLASS / STEEL TRANSITION @ 2,389.80' MD. SAFETY BREAK: PJSM RUNNING CASING
		15:30 - 16:00	0.50	RIG DOWN ECKEL TOOL PREP FLOOR TO CEMENT.
		16:00 - 17:00	1.00	PJSM RIG-UP HALLIBURTON CIRCULATE AND CONDITION HOLE FOR CEMENT JOB SAFETY MEETING WITH ALL PERSONEL ON LOCATION SAFETY BREAK : CEMENTING PROCEDURES & WORKING WITH HIGH PRESSURE LINES & EQUIPMENT. RIGGING UP HALLIBURTON & PRESSURE TESTING LINES & EQUIPMENT. CHAINED DOWN 5 1/2" CEMENTING HEAD & CASING.
		17:00 - 18:00	1.00	PRESSURE TEST LINES TO 2500 PSI PUMPED 20 BBL FRESH WATER SPACER LEAD CEMENT: - 11.1 PPG PREMIUM PLUS WITH 2% CACL, 460 SACKS - 0.25 LBM/SACK POLY- E - FLAKE - YIELD: 3.25 CUFT/SACK - SLURRY VOLUME: 266.2 BBLS - PUMP RATE: 6.0 BBL/MIN - CASING PRESSURE: 200 PSI TAIL CEMENT: - 13.2 PPG PREMIUM PLUS CEMENT WITH 2% CC, 150 SACKS - SLURRY VOLUME: 49.4 BBLS - 0.25 LBM/SACK POLY - E - FLAKE - YIELD: 1.85 CUFT/SACK - PUMP RATE: 5.0 BBL/MIN - CASING PRESSURE: 150 PSI DISPLACE WITH 56.7 BBL OF FRESH WATER - PUMP RATE: 8 BBL/MIN - CASING PRESSURE: 600 PSI - BUMPED PLUG AT 2 BBL/MIN AT 600 PSI, 490 OVER 1015 PSI - @ 18:07 PM 09/02/2011 - CIRCULATED 202 BBLS OF CEMENT TO SURFACE. (349 SKS) - FLOAT HELD - RIGGED DOWN HALCO
		18:00 - 22:00	4.00	W O C - CLEAN PITS, RIG DOWN RIG, PREPARE FOR RIG MOVE TO NEW LOCATION. W O C MANDATORY 4 HRS.

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		22:00 - 00:00	2.00	RELEASED CHAINS ON CASING, RIGGED DOWN HALCO CEMENTING HEAD, BACKED OUT LANDING JOINT, N/D BOP. MADE UP WING NUT ON WELL-HEAD AND SECURED WELL HEAD PROPERLY. RELEASED RIG 216 @ 00:00 09/02/2011 TO NEXT LOCATION