

30-059-20540

OXY USA INC

Operation Summary Report

Well: BRAVO DOME UNIT 2233 061G

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 8/25/2011

End Date: 8/29/2011

Rig Name: TRINIDAD 216

#	Date	Time Start-End	Hrs	Op Details
1	08/25/2011	14:00 - 19:30	5.50	PJSM - MIRU ON NEW LOCATION, SUB-STRUCTURE SET & DRAW-WORKS & UNIT PINNED & DERRICK RAISED @ 4:00 PM. FINISHED SETTING IN RIG & COMPONENTS BY 4:30PM, TRUCKS FINISHED SETTING IN THE RIG BY XXX PM, AND WERE OFF LOCATION. VERY GOOD RIG MOVE. CONTINUED RIGGING UP RIG. CONTACTED ED MARTIN @ NMOCD @ 09:00 8/24/2011
		19:30 - 22:00	2.50	PERFORMED RIG INSPECTION & ACCEPTED RIG ON DAY-WORK CONTRACT @ 19:00 HOUR 8/25/2011 SPUDED 12 1/4" HOLE @ 19:30 HOURS 08/25/2011 DRILLED FROM: 0' TO 201' @ 80' / HR. ROTARY - 140 RPM WT. ON BIT - 5 - 10 K GPM - 357 PUMP PRES. - 743 PSI SAFETY BREAK: PICKING UP & HANDLING BHA & DRILL COLLARS
		22:00 - 23:00	1.00	DRILLED FROM: 201' TO 273' @ 72' / HR. ROTARY - 140 RPM WT. ON BIT - 5 - 15 K GPM - 357 PUMP PRES. - 743 PSI
		23:00 - 00:00	1.00	AIR SUPPLY LINE TO DRILLERS CABIN HAD A LEAK ON STEEL LINE.
2	08/26/2011	00:00 - 01:00	1.00	CONTINUE TO REPAIR AIR LINE UNDER DRILLERS CABIN
		01:00 - 02:00	1.00	DRILLED FROM: 273' TO 330' @ 57' / HR. SAFETY BREAK: TALKED ABOUT PROPER TECHNIQUE FOR PULLING AND SETTING SLIPS ROTARY - 140 RPM WT. ON BIT - 5 - 15 K GPM - 357 PUMP PRES. - 1500 PSI PLUGGED JET
		02:00 - 06:00	4.00	DRILLED FROM: 330' TO 703' @ 93' / HR SURVEY @ 419', INCLINATION .25 ROTARY - 140 RPM WT. ON BIT - 5 - 15 K GPM - 357 PUMP PRES. - 900 PSI SAFETY BREAK: TALKED ABOUT HANDLING D.C.
		06:00 - 08:00	2.00	DRILLED FROM: 703' TO 800' , 97' @ 49' / HR, TD WELL ROTARY - 140 RPM WT. ON BIT - 5 - 15 K GPM - 357 PUMP PRES. - 1286 PSI PLUGGED JET SAFETY BREAK: PJSM WITH CREW TRIPPING AND LAYDOWN PIPE
		08:00 - 08:30	0.50	CIRCULATE & CONDITION HOLE FOR SURFACE CASING JOB.
		08:30 - 10:00	1.50	DROP TOTCO AND TOH TO RUN 8 5/8" SURFACE CASING SAFETY BREAK: BUFFER ZONES
		10:00 - 12:00	2.00	PJSM - RUNNING SURFACE CASING RAN 8 5/8" SURFACE CASING AS FOLLOWS: 1 - TEXAS PATTERN SHOE set @ 779.80 1 - 8 5/8", 24#, STC, J - 55, SHOE JOINT WITH INSERT FLOAT SE @ 740.40' 19 - JOINTS OF 8 5/8", 24#, J-55, STC CASING RAN VERY WELL w/NO PROBLEMS .CASING SET AT 779.80'

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		12:00 - 13:00	1.00	RIG UP HALCO, CIRCULATE & CONDITION HOLE FOR CEMENTING 8 5/8" SURFACE CASING. PJSM: RIG UP HALCO AND CREW
		13:00 - 14:00	1.00	PJSM - TEST LINES TO 2,500 PSI CEMENT AS FOLLOWS: PUMP 20 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 5 BPM WITH 290 PSI FINAL DISPLACEMENT PRESSURE. BUMP PLUG @ 13:49 PRESSURE TO 535 PSI. HELD PRESSURE FOR 10 MINUTES. FLOAT HELD. CIRCULATE (196 SKS, 47 BBLS) TO PIT
		14:00 - 18:00	4.00	WO C 4 HOURS MANDATORY, CLEAN PITS FROM CEMENT, CLEAN LOCATION SAFETY BREAK: WORKING & STAYING HYDRATED IN HOT WEATHER.
		18:00 - 22:00	4.00	PJSM- REMOVE LANDING JOINT. SCREW ON HEAD AND FLANGE. NIPPLE UP BOP. SECURE BOP. SAFETY BREAK: TALKED ABOUT HIGH PRESSURE LINES FOR TESTING PURPOSES.
		22:00 - 22:30	0.50	22:00-22:30 HOUR TEST BOP 250PSI LOW: TEST GOOD, TEST BOP 1000PSI HIGH: TEST GOOD.
		22:30 - 00:00	1.50	CONTINUE NIPPLING UP: INSTALL BELL NIPPLE AND FLOWLINE.
3	08/27/2011	00:00 - 01:00	1.00	PJSM- MAKE UP 7 7/8 BIT AND TRIP IN HOLE WITH BHA
		01:00 - 01:30	0.50	TAG CEMENT @ 743'. TEST CASING TO 1000 PSI: TEST GOOD
				SAFETY BREAK: PICKING UP & HANDLING BHA & DRILL COLLARS
		01:30 - 02:00	0.50	DRILL OUT CEMENT AND FLOAT EQUIPMENT.
		02:00 - 06:00	4.00	DRILLED FROM: 800' TO 1153', 353' @ 88' HR. ROTARY - 75 RPM WT. ON BIT - 12K GPM - 357 PUMP PRES. - 1000 PSI SAFETY BREAK: FIRE DRILL
		06:00 - 10:00	4.00	DRILLED FROM: 1153' TO 1339', 186' @ 47' /HRS WIRELINE SURVEY @1273' = 1.000 DEGREE ROTARY - 75 RPM WT. ON BIT 20 - 25K GPM - 357 PUMP PRES. - 1054 PSI SAFETY BREAK: MAKING CONNECTIONS
		10:00 - 14:00	4.00	DRILLED FROM: 1339' TO 1615', 276' @ 69' /HRS ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: PINCH POINTS
		14:00 - 18:00	4.00	DRILLED FROM: 1615' TO 1802', 187' @ 47' /HRS ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: FORKLIFT OPERATIONS.

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		18:00 - 00:00	6.00	DRILLED FROM: 1802' TO 2097', 295' @ 49 'HRS ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: MIXING CHEMICALS
4	08/28/2011	00:00 - 04:00	4.00	DRILLED FROM: 2097' TO 2267", 170' @ 43 'HRS ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: PINCH POINTS
		04:00 - 06:00	2.00	DRILLED FROM: 2267' TO 2358', 91' @ 46 'HRS WIRELINE SURVEY @ 2239' = 1.5 DEGREE ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: RUNNING WIRELINE SURVEY
		06:00 - 10:00	4.00	DRILLED FROM: 2358' TO 2456', 98' @ 25 'HRS CIRCULATING THRU STEEL PITS ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: MIXING MUD CHEMICALS
		10:00 - 14:00	4.00	DRILLED FROM: 2456' TO 2576', 120' @ 30 'HRS CIRCULATING THRU STEEL PITS ROTARY 75 - 80 RPM WT. ON BIT 25 - 30K GPM - 357 PUMP PRES. - 1100 PSI SAFETY BREAK: MIXING MUD CHEMICALS
		14:00 - 15:00	1.00	DRILLED FROM 2576' TO 2622', 46' @ 46/HR ; TD WELL @ 15:00 HRS TOP OF CIMARRON @ 2485' MD CIMARRON DEPTH = 17' TOP OF TUBB @ = 2,502' DRILL TUBB FORM = 100' DRILL RATHOLE = 20' TD WELLBORE @ 2,622' ROTARY - 80 RPM WT. ON BIT - 20K GPM - 360 PUMP PRESS - 1200 PSI SAFETY BREAK: LAY DOWN BHA
		15:00 - 16:00	1.00	PJSM - CIRC. & CONDITION HOLE FOR OPEN HOLE LOGS.
		16:00 - 18:30	2.50	PJSM - MADE WIPER TRIP TO 8 5/8" CASING SHOE @ 800' & BACK TO BOTTOM - TRIP WENT GOOD, NO PROBLEMS, NO TIGHT SPOTS.
		18:30 - 19:30	1.00	CIRC. & CONDITION HOLE FOR OPEN HOLE LOGS. SAFETY BREAK: PINCH POINTS
		19:30 - 21:30	2.00	TRIP OUT OF HOLE FOR LOGS

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		21:30 - 00:00	2.50	PJSM- RIG UP LOGGERS AND LOG TO 2622'TD RUN 1ST SET OF LOGS TO 2,622' SAFETY BREAK: WIRELINE LOGS
5	08/29/2011	00:00 - 05:00	5.00	CONTINUE RUNNING OPEN HOLE LOGS. 2ND SET LOG TO 2,622' SAFETY BREAK: FORKLIFT OPERATIONS.
		05:00 - 05:30	0.50	RIG UP TO RUN STEEL
		05:30 - 06:00	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
		06:00 - 10:00	4.00	PJSM WITH CREW ON TRIPPING CASING RUN 5 1/2" PROD. CSG. AS FOLLOWS: 1 - FLOAT SHOE - 1.00' - 2,603' - 2,602.11' 1 - 5 1/2", 15.5# SHOE JT. 10.84' - 2,602.11' - 2,591.27' 4 - JTS. 5 1/2", 15.5# CSG. JTS. - 99.19' - 2,591.27' - 2,492.08' 81 - JTS. FIBER GLASS 5 1/2" 2,479.58' - 2,492.08' - 12.5' 1 - LANDING JT. 5 1/2", 15.5# - 12.50' FIBERGLASS / STEEL TRANSITION @2492.08' MD. SAFETY BREAK: PJSM RUNNING CASING
		10:00 - 11:00	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.
		11:00 - 12:30	1.50	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: 6 BBL/MIN - CASING PRESSURE: 525 PSI - BUMPED PLUG AT 2 BBL/MIN AT 525 PSI, 490 OVER 1015 PSI - @ 12:30 PM 8/29/2011 - CIRCULATED 157 BBLS OF CEMENT TO SURFACE. (272 SKS) - FLOAT HELD - RIGGED DOWN HALCO
		12:30 - 16:30	4.00	W O C - CLEAN PITS, RIG DOWN RIG, PREPARE FOR RIG MOVE TO NEW LOCATION. TRUCKS ARRIVED @ 11:30 AM. WE MOVED THE TRAILER OFFICE & CAMP & BEGAN MOVING RIG COMPONENTS WHILE W O C MANDATORY 4 HRS.
		16:30 - 19:30	3.00	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 @7:30 PM 8/29/2011 TO NEXT LOCATION