

30-059-20528

OXY USA INC

Operation Summary Report

Well: BRAVO DOME UNIT 2035 302K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/13/2011

End Date: 7/16/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	07/13/2011	00:00 - 06:00	6.00	WAIT ON DAYLIGHT
		06:00 - 09:30	3.50	FINISH RIGGING DOWN
		09:30 - 14:00	4.50	CONDUCT PJSM WITH DOUBLE T.TRUCKING, RIG CREW, RM, AND SAFETY MAN. ON MOVING RIG. SUB & DERRICK OFF LOCATION @ 12:15 PM. RIG 90% OFF LOCATION
		14:00 - 18:00	4.00	100% RIG ON NEW LOCATION @ 1430. DERRICK RAISED @ 1538. MUD ON LOCATION. TRENCH DUG OUT. NOTIFIED NMOCD AT 20:30 HRS INTENT TO SPUD (LEFT MSG)
		18:00 - 20:30	2.50	FINISH RIG UP STRAP & P/U 12 1/4" BHA, AS FOLLOWS: BIT - 12.25" SMITH FG04 (RUN 4), SERIAL # PS55405 2 - 8" DRILL COLLAR X-OVER 17 - 6" DC UNLOAD & MIX SPUD MUD; TRANSFER TO STEEL PITS
		20:30 - 00:00	3.50	SPUDED 12 1/4" HOLE @ 2030 DRILLED 12 1/4" HOLE FROM 0' TO 250'; ROP = 71' DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS
2	07/14/2011	00:00 - 04:00	4.00	DRILLED 12 1/4" HOLE FROM 250' TO 404'; ROP = 57.75 SURVEY @ 404 = 0.75 DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY OTHER CONNECTION SWITCHED TO CIRCULATING THROUGH OUTER RESERVES WOB = 25-30 KLBS ROTARY = 90 RPM PUMP RATE = 352 GPM (63 SPM) PUMP PRESSURE = 900 PSI SAFETY BREAK: MAKING CONNECTIONS, DRIVING HOME SAFELY
		04:00 - 06:00	2.00	DRILLED 12 1/4" HOLE FROM 481' TO 590'; ROP = 54.5 DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY OTHER CONNECTION CIRCULATING THROUGH OUTER RESERVES WOB = 15 KLBS ROTARY = 115 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 950 PSI SAFETY BREAK: MAKING CONNECTIONS, HAND PLACEMENT
		06:00 - 08:30	2.50	DRILLED 12 1/4" HOLE FROM 590' TO 770'; ROP = 72 FPH DROP SOAP STICK EVERY CONN, 1 SWEEP STICK EVERY OTHER CONN CIRC OUTER RESERVE WOB = 15 KLBS PUMP RATE = 353 GPM (60 SPM) ROTARY = 115 RPM PUMP PRESSURE = 950 PSI
		08:30 - 09:00	0.50	PUMP HI VIS SWEEP, CIRC HOLE CLEAN
		09:00 - 10:30	1.50	TOH, LD DRILL STRING. HOLE PULLED TIGHT FROM 750' TO 600'. BACK REAMED THRU TIGHT SPOT.

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		10:30 - 11:00	0.50	CLEAN FLOOR . PU CASING MU TOOL. SAFETY BREAK: JSA RUNNING CASING. SAFETY AS PRIORITY ONE. KEEPING SMOOTH STEADY PACE.
		11:00 - 13:00	2.00	RUN 8 5/8" J-55, STC, 24# SURFACE CASING SETTING DEPTH TEX PATTERN SHOE 745' SHOE JT. 744' INSERT FLOAT 700.4 17 JTS CASING 700' CASING WENT TO BOTTOM WITH NO PROBLEMS SIMOP: HALLIBURTON SPOTTING & RU
		13:00 - 13:30	0.50	FINSH RU HALLIBURTON, SAFETY BREAK: JSA CEMENTING, HI PRESS LINES, PINCH PTS.
		13:30 - 14:30	1.00	CEMENT 8 5/8" CASING WITH 600 SX PREM PLUS, 2% CACL, 25 LBM POLY-E-FLAKE. FULL RETURNS THRU JOB; CIRC 271 SX (65 BBLs) CEMENT TO SURFACE. BUMPED PLUG AT 14:00 HRS.
		14:30 - 18:00	3.50	WAIT 4 HRS ON CEMENT, CLEAN RIG, CLEAN & GRADE BIT, STRAP & CALIPER BHA.
		18:00 - 21:00	3.00	RD CEMENT HEAD, LD LANDING JT, INSTALL WELL HEAD, RU BOP.
		21:00 - 21:30	0.50	MU TEST PLUG, TEST BOP 250 PSI LO, 1000 HI. GOOD TEST
		21:30 - 00:00	2.50	PU BHA #2, TIH, TAG CEMENT AT 684'.
3	07/15/2011	00:00 - 01:00	1.00	TEST CASING 1000 PSI FOR 30 MINS. GOOD TEST
		01:00 - 02:30	1.50	DRILL CEMENT
		02:30 - 06:00	3.50	DRILL 7 7/8" HOLE FROM 770' TO 950'; CUT 180', ROP = 45 FPH PUMP HI VIS SWEEPS AS NEEDED CIRC OUTER RESERVE WOB = 25 KLBS ROTARY = 85 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 950 PSI
		06:00 - 10:00	4.00	DRILL 7 7/8" HOLE FROM 950' TO 1200'; CUT 250', ROP = 63 FPH PUMP HI VIS SWEEPS AS NEEDED CIRC OUTER RESERVE; RET TO STEEL PITS AT 1100' WOB = 35K ROTARY = 85 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 1100 PSI MW 8.9 PPG, VIS 35 SAFETY BREAK: WEARING PPE FOR PERSONAL PROTECTION AS OPPOSED TO WEARING PPE TO KEEP FROM GETTING CAUGHT.
		10:00 - 14:00	4.00	DRILL 7 7/8" HOLE FROM 1200' TO 1481'; CUT 281', ROP = 73 FPH PUMP HI VIS SWEEPS AS NEEDED CIRC OUTER RESERVE; RET TO STEEL PITS AT 1100' WOB = 35K ROTARY = 85 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 1100 PSI MW 8.9 PPG, VIS 39
		14:00 - 18:00	4.00	DRILL 7 7/8" HOLE FROM 1481' TO 1597'; CUT 116', ROP = 29 FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K ROTARY = 75 RPM PUMP RATE = 353 GPM (60 SPM) PUMP PRESSURE = 1100 PSI MW 9.1 PPG, VIS 37 SAFETY BREAK: WEARING PPE FOR PERSONAL PROTECTION AS OPPOSED TO WEARING PPE TO KEEP FROM GETTING CAUGHT.

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		18:00 - 22:00	4.00	DRILL 7 7/8" HOLE FROM 1597' TO 1790'; CUT 193', ROP = 48' FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K PUMP RATE = 353 GPM (60 SPM) MW 9.1 PPG, VIS 37 ROTARY = 75 RPM PUMP PRESSURE = 1100 PSI
		22:00 - 00:00	2.00	DRILL 7 7/8" HOLE FROM 1790' TO 1885'; CUT 95', ROP = 47' FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K PUMP RATE = 353 GPM (60 SPM) MW 9.1 PPG, VIS 37 ROTARY = 75 RPM PUMP PRESSURE = 1175 PSI
4	07/16/2011	00:00 - 04:00	4.00	DRILL 7 7/8" HOLE FROM 1885' TO 2005'; CUT 120', ROP = 30' FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K PUMP RATE = 353 GPM (60 SPM) MW 9.1 PPG, VIS 37 ROTARY = 75 RPM PUMP PRESSURE = 1200 PSI SAFETY BREAK: STOPPING THE JOB FOR ANY HAZARDS
		04:00 - 08:00	4.00	DRILL 7 7/8" HOLE FROM 2050' TO 2143'; CUT 68', ROP = 24' FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K PUMP RATE = 353 GPM (60 SPM) MW 9.5 PPG, VIS 58 ROTARY = 75 RPM PUMP PRESSURE = 1250 PSI
		08:00 - 12:00	4.00	DRILL 7 7/8" HOLE FROM 2143' TO 2262'; CUT 119', ROP = 30' FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K PUMP RATE = 353 GPM (60 SPM) MW 9.3 PPG, VIS 46 ROTARY = 75 RPM PUMP PRESSURE = 1300 PSI TOP @ 2217' TUB TOP @ 2241' SAFETY ATTITUDE AND WORK ETHICS CIMARRON SAFETY BREAK
		12:00 - 15:00	3.00	DRILL 7 7/8" HOLE FROM 2262' TO 2376'; CUT 114', ROP = 38' FPH PUMP HI VIS SWEEPS AS NEEDED CIRC STEEL PITS WOB = 35K PUMP RATE = 353 GPM (60 SPM) MW 9.3 PPG, VIS 43 ROTARY = 75 RPM PUMP PRESSURE = 1300 PSI SAFETY BREAK WORK ETHICS & LEARNING OXY SAFETY PRINCIPLES, JSA ON TRIPPING PIPE
		15:00 - 16:00	1.00	PUMPED HIGH VIS SWEEP CIRC BTM UP & DROPPED TOTCO
		16:00 - 18:00	2.00	TOH L/D DRILL STRING HOLE TOOK PROPER FILL, PULLED SLIGHTLY TIGHT F/ 1171' - 1071', FOUND ONE JOINT OF DP WASHED OUT
		18:00 - 19:00	1.00	L/D BHA, BREAK OUT BIT
		19:00 - 19:30	0.50	SAFETY MEETING JSA RUNNING CASING RIG UP CRT
		19:30 - 21:00	1.50	"RUN 5 1/2" PRODUCTION CASING TO 2371' - GUIDE SHOE - 2371 - 10' SHOE JOINT - 2370 - INSERT FLOAT - 2369.4 - 57 JTS OF 5 1/2" 15.5# J-55 LTC FROM 2371' TO SURFACE"

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		21:00 - 22:00	1.00	CIRC & CONDITION HOLE, SIMOP) SAFETY MEETING & CEMENTING JSA BEGIN HALLIBURTON RIG-UP
		22:00 - 23:30	1.50	PUMPED CEMENT JOB AS FOLLOWS: 20 BBL FRESH WATER SPACER AT 5.5 BBL/MIN AND 247 PSI 350 SACKS OF PREMIUM W/2% CACL, LEAD CEMENT - 11.1 PPG - YIELD = 3.25 CUFT/SACK - .25 LBM POLY-E-FLAKE 150 SACKS OF PREMIUM W/2% CACL - 13.2 PPG - YIELD = 1.85 CUFT/SACK - .25 LBM POLY-E-FLAKE - DISPLACE WITH 52 BBLS OF FRESH WATER BUMPED PLUG @ 23:00 HRS WITH 1100 PSI RETURNED 105 BBL TO SURFACE, FLOAT HELD
		23:30 - 00:00	0.50	RIGGING DOWN HALLIBURTON
5	07/17/2011	00:00 - 02:00	2.00	WOC & BEGIN R/D RIG RELEASED @ 02:00 HRS