

30-021-20525

OXY USA INC

Operation Summary Report

Well: BRAVO DOME UNIT 2033 072K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 8/5/2011

End Date: 8/9/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	08/05/2011	13:00 - 13:30	0.50	PJSM: RIG CREW, TRINIDAD TRUCKING, DOUBLE T, RAY'S, STALLION, DOUBLE H, RM, NIGHT DSM, DAY DSM: DISCUSSED OUR MOVE TO THE 2033_72K. ALSO STAYING HYDRATED
		13:30 - 18:00	4.50	RIG 100% ON LOCATION 17:00 HOURS. RIG SPOTTED 18:00 HOURS. RU OXY OFFICE, RU BACK YARD, GENERAL RU, MAINT & HOUSEKEEPING SAFETY BREAK: DISCUSSED WORKING IN THE RAIN AND BEING EXTRA SAFE IN SLICK CONDITIONS. NOTIFIED ED MARTIN WITH THE NMOC OF INTENT TO SPUD AND RUN CASING/CEMENT
		18:00 - 22:30	4.50	LAST TRUCK LEFT 19:30 HRS. MIX SPUD MUD, STRAP & CALIPER BHA, MU DC & BIT
		22:30 - 00:00	1.50	SPUDED 12 1/4" HOLE @ 22:30 DRILLED 12 1/4" HOLE FROM 0' TO 80'; ROP = 53' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS WOB = 15 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM (60 SPM) PUMP PRESSURE = 740 PSI MW = 8.8, VIS = 42
2	08/06/2011	00:00 - 02:30	2.50	DRILLED 12 1/4" HOLE FROM 80' TO 287'; ROP = 83' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH RESERVES WOB = 16 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM (60 SPM) PUMP PRESSURE = 930 PSI MW = 8.8, VIS = 42
		02:30 - 03:00	0.50	SERVICE RIG AND GREASE SWIVEL
		03:00 - 06:00	3.00	DRILLED 12 1/4" HOLE FROM 287' TO 550'; ROP = 88' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION SURVEY @ 400 = 0.25 CIRCULATE THROUGH RESERVES WOB = 15 KLBS ROTARY = 120 RPM PUMP RATE = 340 GPM (60 SPM) PUMP PRESSURE = 900 PSI MW = 8.8, VIS = 42
		06:00 - 09:00	3.00	DRILLED 12 1/4" HOLE FROM 550' TO 780'; ROP = 77' FPH DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION CIRCULATE THROUGH STEEL PITS SAFETY BREAK: JSA TRIPPING PIPE, MAKING CONNECTIONS WOB = 56 KLBS ROTARY = 135 RPM PUMP RATE = 353 GPM (60 SPM) MW = 9.3 PUMP PRESSURE = 1000 PSI VIS =
		09:00 - 09:30	0.50	FINISH PUMPING SWEEP AROUND, AND 2X BOTTOMS UP
		09:30 - 11:00	1.50	DROP TOTCO TRIP OUT THE HOLE TO RUN SURFACE CASING SURVEY @ 780
		11:00 - 11:30	0.50	PJSM WITH RIG CREW AND RIG UP CRT.

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		11:30 - 13:30	2.00	RUN 18 JTS. 8 5/8", 24#, J-55, ST & C, SURFACE CASING. NOTE: HAD FILL THE LAST 20' RIGGED UP CIRCULATING HEAD AND WASHED DOWN TO BOTTOM. 1 - 8 5/8" TEXAS PATTERN SHOE 1 - SHOE JOINT 1 - INSERT FLOAT 17- JOINTS
		13:30 - 14:00	0.50	CIRCULATE 2X BOTTOMS UP AND CONDUCT PJSM WITH HALLIBURTON AND RIG CREW.
		14:00 - 14:30	0.50	RIG UP CEMENT HEAD AND TEST LINES.
		14:30 - 15:30	1.00	PUMP A 20 BBL FRESH WATER SPACER - PUMP RATE = 5 BBL/MIN PUMPED 120.2 BBLS (500 SACKS) OF 14.8 PPG PREMIUM PLUS CEMENT - 2% CaCl2 - 0.25 lbm/sk Poly-E-Flake - YIELD: 1.35 CUFT/SACK - PUMP RATE = 7 BBL/MIN - PRESSURE = 200 PSI DISPLACED WITH 46.6 BBLS OF FRESH WATER - PUMP RATE = 6 BBL/MIN - PRESSURE = 240 PSI - FINAL @ 2BPM = 240 PSI BUMP PLUG. GOTOT BACK .5 BBL TO TRUCK FLOATS HELD. FULL RETURNS THROUGHOUT JOB. GOT BACK 56 BBL (233 SKS) TO SURFACE.
		15:30 - 19:30	4.00	HELD PJSM AND RIG DOWN HALLIBURTON. WOC, JET CELLAR, CLEAN PITS, PUT PRODUCTION CASING ON PIPE RACKS. MUD UP PREMIX FOR VISCOUS SWEEPS AFTER DRILLING OUR FLOAT COLLAR.
		19:30 - 22:00	2.50	BACK OUT LANDING JT AND NIPPLE UP BOP. MU TEST PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI, 5 MINUTES EACH. GOOD TEST.
		22:00 - 00:00	2.00	TIH W/7.875 BHA TO TOC @ 720'
3	08/07/2011	00:00 - 02:00	2.00	DRILL TO FLOAT AND PRESSURE TEST CASING TO 1000 PSI FOR 30 MINUTES. TEST GOOD. DRILL OUT FLOAT AND CEMENT
		02:00 - 06:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 780' TO 1075' AVG 77.5' FPH 75 RPM, 20-25K WOB, 340 GPM, 1040 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 8.7 PPG SAFETY BREAK: DISCUSSED MIXING MUD AND CHEMICALS
		06:00 - 07:00	1.00	DRILL 7 7/8" PRODUCTION HOLE F 1090' TO 1154' AVG 64' FPH 75 RPM, 25-38K WOB, 340 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 8.7 PPG
		07:00 - 07:30	0.50	PICK UP AND CIRCULATE, AND HAVE A SAFETY STAND DOWN DUE TO TOO MANY INCIDENTS IN TRINIDAD DRILLINGS NORTHERN DIVISION.
		07:30 - 08:00	0.50	SERVICE RIG
		08:00 - 12:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1154' TO 1333' AVG 45' FPH 75 RPM, 25-38K WOB, 340 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 8.7 PPG SURVEY @ 1275 = 1.0 SAFETY BREAK: DISCUSSED WORKING IN THE HEAT AND KEEPING THE BODY HYDRATED

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		12:00 - 16:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1333' TO 1580' AVG 62' FPH 80 RPM, 25-38K WOB, 340 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 8.7 PPG SAFETY BREAK: DISCUSSED FORK LIFT SAFETY.
		16:00 - 18:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 1580' TO 1670' AVG 45' FPH 75/80 RPM, 30-45K WOB, 340 GPM, 1100 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 8.7 PPG
		18:00 - 22:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 1670' TO 1908' AVG 60' FPH 75/80 RPM, 35-45K WOB, 340 GPM, 1070 PUMP PRESS. CIRC OUTER RESERVE TO 1800' THEN SWITCH TO STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 8.9 PPG SURVEY @ 1760 = 1.5
		22:00 - 00:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 1908' TO 2036' AVG 64' FPH 75/80 RPM, 35-45K WOB, 340 GPM, 1100 PUMP PRESS. CIRC OUTER RESERVE TO 1800' THEN SWITCH TO STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.1, VIS 44
4	08/08/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PRODUCTION HOLE F 2036' TO 2194' AVG 39.5' FPH 70/75 RPM, 35-45K WOB, 340 GPM, 1150 PUMP PRESS. CIRC OUTER RESERVE TO 1800' THEN SWITCH TO STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.3, VIS 38 SURVEY @ 2185 = 2.0
		04:00 - 06:00	2.00	DRILL 7 7/8" PRODUCTION HOLE F 2194' TO 2340' AVG 1' FPH 70/75 RPM, 35-45K WOB, 340 GPM, 1175 PUMP PRESS. CIRC OUTER RESERVE TO 1800' THEN SWITCH TO STEEL PITS, PUMP HI VIS SWEEP EVERY 3RD JT OR AS NECESSARY. DROP SWEEP STICKS EVERY 3RD JT ON CONNECTIONS BEFORE SWEEPS. MW 9.3, VIS 38
		06:00 - 11:00	5.00	DRILL 7 7/8" PRODUCTION HOLE F 2340' TO 2530' AVG 38' FPH CIMARRON IDENTIFIED FROM 2370' TO 2385' 70 RPM, 40 WOB, 340 GPM, 1200 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 9.2 PPG, VIS 40 SAFETY BREAK: DISCUSSED TRIPPING OUT OF THE HOLE, PINCH POINTS AND TEAM WORK.
		11:00 - 11:30	0.50	PUMP HI VIS SWEEP, CIRCULATE HOLE 2X BOTTOMS UP FOR CASING RUN.
		11:30 - 14:00	2.50	DROP TOTCO, AND TRIP OUT OF THE HOLE TO 5.5" PRODUCTION CASING
		14:00 - 14:30	0.50	PJSM WITH RIG CREW, RIG UP CRT AND MAKE UP SHOE

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		14:30 - 18:30	4.00	PJSM WITH RIG CREW, RIG UP AND RUN 5.5" 15.5# J-55 CASING AS FOLLOWS. NOTE: RAN INTO TIGHT SPOT WHILE WASHING DOWN JOINT #60 @ 2492'. STARTED TO PACK OFF AND WE GOT HUNG UP. WE COULD NOT GO UP OR DOWN. KICKED OUT THE PUMP AND THE PSI HELD AT 850 PSI. HAD THEM BLEED OFF THE PRESSURE AND STILL COULD NOT GO DOWN, HAD THE DRILLER PICK UP ON IT AND WE PULLED 40K OVER ACTUAL STRING WT. OF 40K. THE CASING CAME ON THROUGH THIS SPOT AND WE KICKED THE PUMP BACK IN AND I NOTIFIED FIELD SUPERINTENDENT AT THIS POINT AND EXPLAINED WHAT HAPPENED. IT WAS DECIDED TO CONTINUE TO WASH DOWN TO BOTTOM AND WE RAN INTO A BRIDGE @ 2510'. NOTIFIED FIELD SUPERINTENDENT OF THE SITUATION AND IT WAS DECIDED TO CONTINUE TO TRY AND GET IT TO GO DOWN. 1- GUIDE SHOE 1- SHOE JOINT 1- INSERT FLOAT 61 - JOINT 5.5" 15.5# J-55
		18:30 - 23:00	4.50	CONTINUE WASHING DOWN TO BOTTOM @ 2530'. BROKE THROUGH TO BOTTOM, CIRCULATED FOR 10 MIN THERE, AND PICKED UP AND BROKE OUT FULL JOINT WE WERE WASHING DOWN WITH.
		23:00 - 23:30	0.50	MADE UP LANDING JOINT AND CIRCULATED 2X BOTTOMS TO ASSURE HOLE WAS CLEAN.
		23:30 - 00:00	0.50	HOLD PJSM AND RIG UP HALLIBURTON
5	08/09/2011	00:00 - 02:00	2.00	PUMPED CEMENT JOB AS FOLLOWS: - 20 BBL FRESH WATER SPACER AT 5 BBL/MIN AND 175 PSI - 266 BBL (460SKS) OF PREMIUM PLUS MIDCON 2 W/2% CC, LEAD CEMENT - 11.1 PPG - YIELD = 3.25 CUFT/SACK - .25 LBM POLY-E-FLAKE - PUMP RATE = 6 BBL/MIN - PUMP PRESSURE = 220 PSI - 49 BBL (150SKS) OF PREMIUM PLUS MIDCON W/2% CC - 13.2 PPG - YIELD = 1.85 CUFT/SACK - .25 LBM POLY-E-FLAKE - PUMP RATE = 5 BBL/MIN - PUMP PRESSURE = 87 PSI - DISPLACE WITH 59.5 BBLs OF FRESH WATER. BUMPED PLUG @ 0142 HRS WITH 1050 PSI RETURNED 0.5 BBL TO TRUCK RETURNED 169 SACKS (98 BBL) TO SURFACE, FLOAT HELD
		02:00 - 05:00	3.00	BACKED OUT LANDING JOINT NIPPLE DOWN BOP, AND JET PITS. RELEASE RIG TO THE BDU 2033-062G @ 05:00 HOURS SAFETY MEETING: CONFINED SPACES AND BODY PLACEMENT