

30-021-20531

OXY USA INC

Operation Summary Report

Well: BRAVO DOME UNIT 1833 012K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 9/14/2011

End Date: 9/18/2011

Rig Name: TRINIDAD 208

#	Date	Time Start-End	Hrs	Op Details
1	09/14/2011	00:00 - 07:00	7.00	FINSH RD. WAIT ON DAYLIGHT / TRUCKS
		07:00 - 07:30	0.50	PJSM: DOUBLE T, TRINIDAD, RIG CREW, BOTH DSMS TAG LINES & TAILBOARDS, SPOTTERS, EQUIPMENT CHECKS, TIE OFFS, FOCUS LAST WELL ON THE JOB
		07:30 - 12:30	5.00	MOVE RIG, RIG 100% OFF LOCATION 10:30 HRS, 100% ON NEW LOCATION 11:30 HRS SUB & DERRICK SPOTTED AT 10:30 HOURS DERRICK STANDING 12:30 HOURS. 9:00 HOURS, NOTIFIED ED MARTIN, NMOC, INTENT TO SPUD & CEMENT.
		12:30 - 15:30	3.00	GENERAL RU, DIG DITCHES, MIX SPUD MUD, MAKE UP BIT, AND STRAP BHA. ACCEPTED RIG @ 15:00 HOURS SAFETY BREAK: JSA MIXING CHEMICALS, HANDLING BHA, BOOM OPS
		15:30 - 19:30	4.00	DRILL 12.25" SURFACE HOLE FROM GL TO 295', CUT 295' AVG 74' FPH CIRC STEEL PITS TO 150', RET TO RESERVE, 75 RPM, 25K WOB, 340 GPM. 850 PSI PUMP PRES. MW 8.5 VIS 32 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD SAFETY BREAK: JSA WORKING IN BAD WEATHER, PROPPER PPE
		19:30 - 00:00	4.50	DRILL 12.25" SURFACE HOLE FROM 295' TO 520', CUT 225' AVG 50' FPH CIRC RESERVE, 75 RPM, 25K WOB, 340 GPM. 900 PSI PUMP PRES. MW 8.5 VIS 30 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD. RAN WIRELINE SURVEY @ 400' INC. 75 SAFETY BREAK: JSA MAKING CONNECTIONS, PINCH POINTS
2	09/15/2011	00:00 - 04:00	4.00	DRILL 12.25" SURFACE HOLE FROM 520' TO 732', CUT 212' AVG 53' FPH RET TO RESERVE, 75 RPM, 25K WOB, 340 GPM. 1000 PSI PUMP PRES. MW 8.5 VIS 30 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD. SAFETY BREAK: JSA BAD WEATHER, MAKING CONNECTIONS
		04:00 - 04:30	0.50	DRILL 12.25" SURFACE HOLE FROM 732' TO 760', CUT 28' AVG 56' FPH RET TO RESERVE, 75 RPM, 25K WOB, 340 GPM. 1000 PSI PUMP PRES. MW 8.5 VIS 30 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD
		04:30 - 05:00	0.50	RIG SERVICE
		05:00 - 05:30	0.50	DRILL 12.25" SURFACE HOLE FROM 760' TO 775', CUT 15' AVG 30' FPH RET TO RESERVE, 75 RPM, 25K WOB, 340 GPM. 1000 PSI PUMP PRES. MW 8.5 VIS 30 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		05:30 - 06:00	0.50	PUMP HI VIS SWEEP. CIRC & COND HOLE CLEAN. DROP TOTCO
		06:00 - 08:00	2.00	TOH TO RUN CASING, HOLE DRAG, BACK REAM FROM BOTTOM TO SURFACE
		08:00 - 08:30	0.50	RU CRT, CLEAR FLOOR TO RUN CASING SAFETY MEETING: TAKING EXTRA TIME IN INCLEMENT WEATHER TO INSURE SAFETY. WEATHER - COLD, WET, WINDY. SLIPPERY SURFACES.
		08:30 - 10:00	1.50	RUN 8 5/8", J-55, STC, 24# SURFACE CASING SETTING DEPTH PATTERN SHOE: 760' INSERT FLOAT: 717' SHOE JT: 759' 17 JTS CASING: 717'
		10:00 - 10:30	0.50	CIRCULATE HOLE SIMOP: RU HALLIBURTON SAFETY MEETING: JSA CEMENTING, STAYING ON MUDDY LEASE ROAD, NO DETOURS AROUND MUD HOLES. INCLEMENT WEATHER, SLICK, MUDDY CONDITIONS.
		10:30 - 11:30	1.00	CEMENT 8 5/8" CASING WITH 500 SX PREM PLUS, 2% CACL, 25 LBM POLY-E-FLAKE FULL RETURNS THRU JOB CIRC 192 SX (42 BBLs) CEMENT TO SURFACE BUMPED PLUG @ 11:22 HOURS

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		11:30 - 12:00	0.50	RD HALLIBURTON
		12:00 - 15:30	3.50	FINISH WOC. BUILD SWEEP MUD IN PREMIX, CLEAN ACTIVE PITS, LOAD OUT USED BITS.
		15:30 - 18:00	2.50	RD CEMENT HEAD, LD LANDING JT, NU BOPE
		18:00 - 18:30	0.50	MU TEST PLUG TO 5.5" CASING JT. TEST BOP TO 250 PSI LO, 1000 PSI HI
				SAFETY BREAK: JSA TRIPPING PIPE, HAZARD AWARENESS
		18:30 - 20:00	1.50	TRIP IN HOLE WITH 7-7/8 PRODUCTION ASSEMBLY, TAG CEMENT AT 697'
		20:00 - 20:30	0.50	TEST CASING TO 1000 PSI FOR 30 MINS. GOOD TEST
		20:30 - 21:30	1.00	DRILL OUT CEMENT WITH REDUCED PARAMETERS, 15K WOB, 50 RPM
		21:30 - 00:00	2.50	DRILL 7 7/8" PROD HOLE F 775' TO 983', CUT 208', AVG 83' FPH, 25K WOB, 70 RPM, 340 GPM, 1050 PSI PUMP PRES. CIRC RESERVE. MW 8.5 VIS 33
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
				SAFETY BREAK: DROPPED OBJECTS, MAKING CONNECTIONS
3	09/16/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PROD HOLE F 983' TO 1310', CUT 327', AVG 82' FPH, 25K WOB, 70 RPM, 340 GPM, 1100 PSI PUMP PRES. CIRC RESERVE. MW 8.6 VIS 32
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
				RAN WIRE LINE SURVEY INC 1.0 DEGREES
				SAFETY BREAK: DROPPED OBJECTS, MAKING CONNECTIONS
		04:00 - 08:00	4.00	DRILL 7 7/8" PROD HOLE F 1310' TO 1552', CUT 242', AVG 61' FPH, 30K WOB, 70 RPM, 340 GPM, 1150 PSI PUMP PRES. CIRC RESERVE. RETURN TO STEEL PITS @ 1400' MW 9.2 VIS 33
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
		08:00 - 12:00	4.00	DRILL 7 7/8" PROD HOLE F 1552' TO 1673', CUT 121', AVG 31' FPH, 30K WOB, 70 RPM, 340 GPM, 1150 PSI PUMP PRES. CIRC STEEL PITS @ 1400' MW 9.2 VIS 33
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
				SAFETY BREAK: STAYING FOCUSED ALL THE WAY TO THE FINISH LINE. CONTINUE TO WORK ON SAFETY HABITS.
		12:00 - 16:00	4.00	DRILL 7 7/8" PROD HOLE F 1673' TO 1753', CUT 80', AVG 20' FPH, 30K WOB, 70 RPM, 340 GPM, 1150 PSI PUMP PRES. CIRC STEEL PITS @ 1400' MW 9.2 VIS 33
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
				SAFETY BREAK: DAY CREW, EVE CREW, RM, TRINIDAD SAFETY, DSM - STAYING FOCUSED ALL THE WAY TO THE FINISH LINE. CONTINUE TO WORK ON SAFETY HABITS. KUDOS TO CREWS FOR EXCELLENT JOB, BOTH SAFETY & PERFORMANCE. LOTO, PPE, TIE OFFS, BUFFER ZONES.
		16:00 - 20:00	4.00	DRILL 7 7/8" PROD HOLE F 1753' TO 1942', CUT 189', AVG 47' FPH, 30K WOB, 70 RPM, 340 GPM, 1150 PSI PUMP PRES. CIRC STEEL PITS @ 1400' BACK TO RESERVE @ 1800' MW 9.0 VIS 32
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.
				SAFETY BREAK: JSA GOOD HOUSE KEEPING, PROPPER TOOLS FOR THE JOB
		20:00 - 00:00	4.00	DRILL 7 7/8" PROD HOLE F 1942' TO 2183', CUT 241', AVG 60' FPH, 30K WOB, 70 RPM, 340 GPM, 1150 PSI PUMP PRESSURE, RET TO RESERVE MW 9.0 VIS 33
				DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD.

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4	09/17/2011	00:00 - 04:00	4.00	DRILL 7 7/8" PROD HOLE F 2183' TO 2342', CUT 159', AVG 40' FPH, 30K WOB, 70 RPM, 340 GPM, 1500 PSI PUMP PRES. CIRC STEEL PITS @ 2200' MW 9.3 VIS 42 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD. SAFETY BREAK: JSA RIG MAINTANENCE, GOOD COMMUNICATION
		04:00 - 08:00	4.00	DRILL 7 7/8" PROD HOLE F 2342' TO 2492', CUT 150', AVG 38' FPH, 30K WOB, 70 RPM, 340 GPM, 1550 PSI PUMP PRES. CIRC STEEL PITS MW 9.4 VIS 48 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD. IDENTIFIED CIMARRON TOP @ 2437' TUBB TOP @ 2461 SAFETY BREAK: JSA CLEANING PITS, MIXING CHEMICALS, BUFFER ZONES
		08:00 - 08:30	0.50	SERVICE RIG
		08:30 - 12:30	4.00	DRILL 7 7/8" PROD HOLE F 2492' TO 2676', CUT 184', AVG 46' FPH, 30K WOB, 70 RPM, 340 GPM, 1550 PSI PUMP PRES. CIRC STEEL PITS MW 9.3 VIS 49 TD 12:30 DROP SOAP STICKS EVERY CONNECTION & PUMP SWEEP AND SWEEP STICK EVERY THIRD. SAFETY BREAK: JSA CLEANING PITS, MIXING CHEMICALS, BUFFER ZONES
		12:30 - 13:00	0.50	PUMP HI VIS SWEEP, CIRC 2X BU
		13:00 - 15:30	2.50	WIPER TRIP TO 1430'. BACK REAM TIGHT HOLE F 1900' TO 1500'. REST OF TRIP WENT UNEVENTFUL, TAKING PROPER FILL & GIVING PROPER DISPLACEMENT. SAFETY BREAK: JSA TRIPPING PIPE
		15:30 - 16:30	1.00	PUMP HI VIS SWEEP & CIRC HOLE CLEAN. DROP TOTCO
		16:30 - 19:00	2.50	TOH TO RUN LOGS.
		19:00 - 19:30	0.50	REMOVE ROTATING RUBBER, RU LOGGERS. SAFETY BREAK: JSA LOGGING OPS
		19:30 - 00:00	4.50	LOGS WENT TO BOTTOM W NO PROBS. LOGGERS DEPTH 2672' LOG RUN #1 LATEROLOG / SPECTRAL GR LOG RUN #2 DENSITY / NEUTRON / GR / CCL SIMOP: MISC. PREP FOR RIG MOVE
5	09/18/2011	00:00 - 00:30	0.50	RU CRT SAFETY BREAK: JSA RUNNING CASING. EMPHASIZED DROPPED CASING PRECAUTIONS
		00:30 - 01:30	1.00	WAITING ON ORDERS, REVIEWING LOG'S
		01:30 - 06:00	4.50	RUN 5.5", 15.5#, J-55, LTC PROD CASING, FG- 5.5", 5.4#, SET DEPTH SET DEPTH GUIDE SHOE2668' INSERT FLOAT.....2657' SHOE JT2667' 61 JTS CASING.....2657 GEOLOGIST LOG INTERPRETATION OF TOPS: CIMMARON- 2432' TUBB- 2452' FG TRANSITION AT 2443.6'
		06:00 - 06:30	0.50	RU HALLIBURTON, PJSM: JSA CEMENTING, FOLLOW THRU STD. SAFETY PROCEDURES LAST WELL.
		06:30 - 08:30	2.00	PUMPED CEMENT JOB AS FOLLOWS 20 BBL FRESH WATER SPACER 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 58 BBLs OF FRESH WATER BUMPED PLUG @ 8:16 HRS RETURNED 344 SACKS (199 BBL) TO SURFACE, FLOAT HELD

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		08:30 - 12:30	4.00	WOC,R/D HALIBURTON BEGIN RD RIG, CLEAN PITS, LOAD EXCESS CASING, LOAD MUD & CHEMICALS, EMPHASIZE IMPT OF LEAVING WELLHEAD CHAINED DOWN TILL CEMENT SETS.
		12:30 - 15:30	3.00	RD CEMENT HEAD, ND, FINISH CLEANING PITS, CLEAN DERRICK, HAUL OFF EXCESS FW, HAUL MUD TRLR, PIPE TRLR, GATHER UP 3RD PARTY RENTALS, MISC OXY EQUIP, FINISH UP REPORTS, MAKE OFFICE READY FOR TERMINATION. RELEASE RIG AT 15:30 HOURS 9/18/2011 9:30 HRS, NOTIFIED ED MARTIN OF SUCCESSFUL COMPLETION. ADIOS BRAVO DOME