		OXY USA INC
		Operation Summary Report
Well:	BRAVO DOME UNIT 1930 04	1G Event Name: DEV DRILLING
Project:	BRAVO DOME	Prim. Reason: ORIG DRILL VERT
Site:	BRAVO DOME C02 UNIT	. Start Date: 7/5/2011
	_	End Date: 7/8/2011 Rig Name: TRINIDAD 216
1 0	Date Time F Start-End 7/04/2011 20:00 - 00:00	Hrs Op Details 4.00 RIGGING DOWN ON BDU 1833-071G
2 0	7/05/2011 00:00 - 06:00	6.00 WAITING ON TRUCKS AND DAYLIGHT TO MOVE RIG
		TRUCKS WILL BE ON LOCATION AT 07:00
	06:00 - 07:00	1.00 SAFETY MEETING WITH TRUCKING CO. AND RIG CREW
		STARTED MOVING RIG TO NEXT LOCATION
	07:00 - 11:00	4.00 CONTINUED MOVING RIG TO LOCATION 30% MOVED OVER
ļ. ;		
		SAFETY BREAK: WORKING IN HOT CONDITIONS / STAYING HYDRATED
	11:00 - 15:00	4.00 CONTINUED MOVING RIG TO LOCATION 100% MOVED OVER RIGGING UP
		SAFETY BREAK: PJSM ON NEW LOCATION RIGGING UP SPOTTING EQUIPMENT
	15:00 - 18:00	3.00 RAISE DERRICK AND FINISH RIG UP
	18:00 - 21:00	3.00 R/U HYDRAULIC PIPE HANDLER AND TEST. SET SUMP PUMP.
	21:00 - 21:30	0.50 RIG PRE SPUD INSPECTION
		SAFETY EDUCATION: HELICOPTER LANDING ZONE SAFETY
	21:30 - 00:00	2.50 DRILLED FROM: 12' TO 147' @ 49' / HR.
}		
1		ROTARY - 125 RPM WT. ON BIT - 5 - 10 K
ĺ		GPM - 380
		PUMP PRES 450 PSI
ļ		SAFETY BREAK: HIGH PRESSURE LINES
3 0	7/06/2011 00:00 - 03:00	3.00 DRILLED FROM: 148' TO 410' @ 87' / HR
		ROTARY- 125 RPM
		WT ON BIT -12 - 20 K
		GPM - 380
1 1		
		SAFETY BREAK HIGH PRESSURE LINES
ļ	03:00 - 03:30	0.50 WIRELINE SURVEY
	03:30 - 06:00	2.50 DRILLED FROM: 410' TO 654' @ 97' / HR.
		ROTARY- 125 RPM
		・ NT ON BIT-12 - 20 K ()
		PUMP PRES 450 PSI
		CAPETY PREAKSELECTRICAL CONNECTIONS AROUND MATER
	06:00 ~ 08:30	2.50 DRILLED FROM: 654" TO 806', TD @ 97' / HR. ROTARY - 125 RPM WT. ON BIT - 12 - 20 K GPM - 380 PUMP PRESSURE 450 PSI SAFETY BREAK: ELECTRICAL CONNECTIONS AROUND WATER
	08:30 - 09:00	0.50 CIRCULATE & CONDITION HOLE FOR RUNNING 8 5/8' CASING
	09:00 - 11:00	2.00 RUN SURVEY AT TD PJSM - T O H TO RUN 8 5/8 SURFACE CASING
	11:00 - 14:00	3.00 PJSM RIG UP & RUN 18 JTS. 8 625", 24#, J-55, 8 RDS CASING FROM SURFACE TO 786.40', TORQUE CONNECTION TO 2440 CIRCULATE LAST 3 JTS. DOWN 1 - 8 5/8" TEXAS PATTERN SHOE SET AT 786.40,1 - SHOE JOINT, 1 - INSERT FLOAT SET AT 742.35"
	14:00 - 14:30	0.50 RIG DOWN CASING EQUIPMENT CIRCULATE BOTTOMS TWICE SAFETY MEETING WITH HALLIBURTON RIG UP HALLIBURTON FOR CEMENT JOB
	14:30 - 15:30	1.00 PUMP 600 SACKS OF LEAD, INTERFILL C MIXED TO 14.8PPG, 1.35 YELD AT 6.5BPM WITH 200 PSI
100		DROPPED PLUG @ 15:01 DISPLACED CEMENT WITH 47.2 BBLS FRESH WATER USING HALLIBURTON PUMP TRUCK AT 6 BPM WITH 273 PSI-FINAL DISPLACEMENT PRESSURE. BUMP PLUG @ 15:17 WITH.
		575 PSI: HELD PRESSURE FOR 10 MINUTE: FLOAT EQUIPMENT HOLDING OK: CIRCULATE 283 SKS./
		68 BBLS TO PIT CIP @ 15:28
	15:30 - 16:30	1.00 RIG DOWN HALLIBURTON
	16:30 - 19:30	3:00 WAIT ON CEMENT TO CURE
1		

## OXY USA INC

# **Operation Summary Report**

BRAVO DOME UNIT 1930 041G

Project: BRAVO DOME

Event Name: DEV DRILLING

Prim. Reason: ORIG DRILL VERT

BRAVO DOME C02 UNIT Site:

Start Date: • 7/5/2011

	End Date: 7/8/2011	Rig Name: TRINIDAD 216
Date Time Start-End	Hrs Op Details	
19:30 - 23:30	4.00 WOC; BACK OUT LANDING JOINT; SCREW ON H	FAD: N/U ROP
23:30 - 00:00	0.50 INSTALLED MANDREL; TESTED ANNULAR TO 1,	
4 07/07/2011 00:00 - 01:30	1.50 FINISH N/U.OF BOP AND R/U FLOOR FOR TRIPP	
01:30 - 02:00	0.50 TH WITH PRODUCTION ASSEMBLY	ING,
02:00 - 02:30		
02:30 - 02:30	0.50 TEST CASING TO 1000# FOR 30 MINUTES	
The second secon	0.50 R/U ROTATING HEAD RUBBER AND FINISH TIH 1	TO CEMENT. TAGGED CEMENT @ 698'.
03:00 - 04:00	1.00 DRILL CEMENT AND FLOAT EQUIPMENT TO 806	
04:00 - 06:00	2.00 DRILLED FROM: 806' TO 1023' @ 108' / HR.	
	ROTARY - 90 RPM	
	WT. ON BIT - 20 K	
	GPM - 380	
	PUMP PRES 750 PSI	
	SAFETY BREAK: ELECTRICAL CONNECTIONS AF	POLIND WATER
06:00 - 10:00	4.00 DRILLED FROM: 1023' TO 1023' @ 1274', 63' / HR	ROUND WATER
시기 시간에 가를 받을까지?	ROTARY 90 RPM	
	WT: ON BIT - 20- 25 K	
	GPM - 380	
	PUMP PRES - 750 PSI	어디가 가지 하얗아니는 하는 게 되었다.
	MUD WEIGHT OUT = 8.7 PPG VIS 35	
	SAFETY BREAK: SAFE OPERATION OF RUNNING	WRELINE SURVEY
10:00 - 10:30	0.50 WIRELINE SURVEY @ 1242' = 1.000 DEG	WINCEINE GOIXVES AND
10:30 - 14:30	4.00 DRILLED FROM: 1274' TO 1425' @ 38' / HR	
그 시간 이 사람들은 사람이 없었다.		
	ROTARY - 90 RPM	[조선 [일시] [1] 사용 경우의 [시] 경기 보다 한 구요한다.
	WT ON BIT - 20- 25 K	함께 속책임 회에서 하다는 많이 어떤 회의 보관
	GPM - 380	
	PUMP PRES750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33	
	WATER LOSS 10 %	
	SAFETY BREAK, PINCH POINT DURING CONNEC	TION
14:30 - 18:30	4.00 DRILLED FROM: 1425' TO 1630' @ 51' / HR.	
	BOTARY OF DRIV	
	ROTARY - 90 RPM WT. ON BIT - 20- 25 K	
	GPM - 380	
	PUMP PRES 750 PSI	
	MUD WEIGHT OUT = 8.9 PPG VIS 33	
	WATER LOSS 10 %	
	SAFETY BREAK: MUD CHEMICALS	
18:30 - 20:30	2.00 DRILLED FROM: 1630' TO 1739' @ 46' / HR	
	그들은 그는 것 같아. 얼마를 살아왔다면 하다 가지가 얼마를 걸었다.	
	i ligati (1905) ka marangan mengangan kecamatan kalangan beranggan di Balangan beranggan beranggan beranggan b	addisactification of the control of
	ROTARY - 90 RPM	
	WT. ON BIT,- 20- 25 K	
	WT. ON BIT - 20- 25 K GPM - 380	
	WT_ON BIT - 20-25 K GPM - 380 PUMP PRES - 750 PSI	
	WT_ON BIT - 20-25 K GPM - 380 PUMP PRES - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33	
	WT_ON BIT - 20-25 K GPM - 380 PUMP PRES - 750 PSI	
	WT_ON BIT - 20-25 K GPM - 380 PUMP PRES - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33	

10/1/2012

5:50:21PM

#### OXY USA INC

### **Operation Summary Report**

Well:

BRAVO DOME UNIT 1930 041G

Project: BRAVO DOME

DEVO

Event Name: DEV DRILLING

Prim. Reason: ORIG DRILL VERT

BRAVO DOME C02 UNIT Start Date: 7/5/2011 End Date: 7/8/2011 Rig Name: TRINIDAD 216 # Date Time Hrs Op Details Start-End 3.00 DRILLED FROM: 1739' TO 1875' @ 45' / HR. 21:00 - 00:00 ROTARY - 90 RPM WT. ON BIT - 20- 25 K GPM -380 PUMP PRES. - 750 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 WATER LOSS 10 % SAFETY BREAK: HOUSEKEEPING 5 07/08/2011 00:00 - 04:00 4.00 DRILLED FROM: 1875' TO 2015' @ 35' / HR ROTARY - 75 RPM WT. ON BIT - 20- 25 K GPM -380 PUMP PRES. - 850 PSI MUD WEIGHT OUT = 8.9 PPG VIS 33 SAFETY BREAK HOUSEKEEPING 04:00 - 06:00 2.00 DRILLED FROM: 2015' TO 2050' @ 17' / HR. ROTARY - 75 RPM WT. ON BIT - 20- 25 K GPM -380 PUMP PRES. - 850 PSI SAFETY BREAK: PROPER TOOLS FOR JOB 06:00 - 09:00 3.00 DRILLED FROM: 2050' TO 2135' @ 28' / HR., TD @ 2135' ROTARY - 75 RPM WT: ON BIT - 25 - 28 K GPM -380 PUMP PRES - 850 PSI TORQUE ON BOTTOM = 2300 TORQUE OFF BOTTOM = 800 PRIOR TO ENTER CIMARRON MUD CHECK MUD WT = 9.2 PPG IN, OUT 9.3 VIS 38 KCL = 6% TOP OF CIMARRON = 2056' TOP OF TUBB = 2075 TD WELL @ 2135'

#### SAFETY BREAK: MIXING MUD & CHEMICALS

09:00 - 11:00 2.00 PUMP 20 BBLS SWEEP TO CONDITION HOLE, WATER LOSS

#### CHECK WATER LOSS @ 11:00 9CC

11:00 - 13:30 2:50 PJSM WITH CREW ABOUT TRIPPING PIPE, DROP SURVEY AND TRIP OUT OF HOLE

#### T O.H., FROM 2135'

13:30 - 14:00 0.50 PULL ROTATING HEAD RUBBER, R/U TOP DRIVE, BALES AND ELEVATORS TO RUN 5 1/2' PRODUCTION CASING
14:00 - 16:30 2.50 PJSM WITH RIG CREW. RUNNING CASING

RUN 5.5, CASING 12.5 TO 2129 , TORQUE CONNECTIONS TO 2170 AVERAGE

FT/LB AS FOLLOWS:

1 GUIDE SHOE =( 2129) 1 SHOE JT = (2117.58' TO 2129.00') 1 FLOAT INSERT = (2117.58')

50 JTS 5.5 , 15# , J-55, PRODUCTION CASING,(.2117.58)

## OXY USA INC **Operation Summary Report** Well: BRAVO DOME UNIT 1930 041G Event Name: DEV DRILLING Project: BRAVO DOME Prim. Reason: ORIG DRILL VERT Site: BRAVO DOME C02 UNIT Start Date: 7/5/2011 End Date: 7/8/2011 Rig Name: TRINIDAD 216

	Life Date. 770/2011	Rig Name. TRINIDAD 216	
# Date Time	Hrs Op Details		
Start-End	2.5	property and the second	
16:30 - 17:00	0.50 BACK OFF 5 1/2' COLLAR		
	INSTALLED WELLHEAD MANDRILL ON LA	NDING JOINT	
	SUCCESSFULLY LANDED MANDRILL IN W	ELLHEAD	
17:00 - 17:30	0.50 PJSM - RIG UP HALCO CEMENTING HEAD		
			ĺ
	CIRCULATE AND CONDITION HOLE FOR (	CEMENT JOB	
	SAFETY MEETING WITH ALL PERSONAL (	ON LOCATION	
17:30 - 19:30	2.00 CEMENT 5 1/2" CASING AS FOLLOWS:	· 图集的 医克克斯 医克勒克氏病 医多克斯氏病 医多克斯氏病 医二氏病	8 7 8 7 T
	나는 바람들은 친구들은 경우 시간을 다 없다.	입하면 하는 사람들은 사람들이 가지를 잃었다.	
	PRESSURE TEST LINES TO 2500 PSI		
	PUMPED 20 BBL FRESH WATER SPACER	: 4 및 Bartin Hall (1985) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	LEAD CEMENT:	그렇게 하는 사람이 되었다. 그리 생각이 나를 했다.	
	- 11.1 PPG PREMIUM PLUS WITH 2% CAC	300 SACKS	
	- 0.25 LBM/SACK POLY E FLAKE		
	- YIELD: 3.25 CUFT/SACK	이용화 함께 되었는 아이들이 모양을 되었다. 아이는 그	
	- SLURRY VOLUME: 173 BBLS		
이 교회에 회원을 하는 사람이 있는	- PUMP RATE: 6 BBL/MIN		
	- CASING PRESSURE: 187 PSI		
1977年 经基础存储 建二氯酸化二		<u> ( ) : [ [ [ ]                            </u>	
	TAIL CEMENT:	임물병이 되고 있었다는 그의 전 일반을 하면 말라고 되었다.	
	- 13.2 PPG PREMIUM PLUS CEMENT WITH	2% CC: 150 SACKS	
	- SLURRY VOLUME: 50 BBLS	회원 전환 원칙 경기 가게 되었는데, 호텔 바람이 하는데?	
	- 0.25 LBM/SACK POLY E FLAKE		
	YIELD: 1.85 CUFT/SACK		
	- PUMP RATE: 6 BBL/MIN	나는 사람들이 하나 하는 사람들이 모든 사람들이 되었다. 그 그 그 사람들이 되었다.	
	- CASING PRESSURE: 120 PSI		
า สา สาขารมีปี ค.ศ.	1 하고 : (명취 보기가 : ) 티모 보는 .	시스프로 그리다 그는 것은 사람들이 되는 것은	
	DISPLACE WITH 50.5 BBL OF FRESH WAT		1.7
	PUMP RATE: 6.5 BBL/MIN		
	- CASING PRESSURE: 480 PSI		
[1] 中国 1975年 1985年 1986年 1 1986年 - 1986年			
	- BUMPED PLUG AT 2 BBL/MIN AT 890PSI		
	- CIRCULATED 90.5BBLS (156 SACKS) OF	SEMENT TO SURFACE	
19:30 - 21:00	1.50 N/D BOP FROM WELLHEAD		
	SAFETY MEETING: SUSPENDED LOADS		[
21:00 - 00:00	3.00 CLEANING PITS. RIG RELEASED @ 23:59	DN 7/8/11	

	THE THE SET THE TELEFICION	
	SAFETY MEETING: SUSPENDED LOADS	
21:00 - 00:00	3.00 CLEANING PITS. RIG RELEASED @ 23:59 ON 7/8/11	