Submit 1 Copy To Appropriate District Office	State of New Mexico	Form C-103
District I - (575) 393-6161	Energy, Minerals and Natural Resources	WELL API NO.
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> - (575) 748-1283	OU CONGERNATION DUMOION	30-059-20525
811 S. First St., Artesia, NM 88210 District III (505) 334-6178	OIL CONSERVATION DIVISION 1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	STATE FEE
<u>District IV</u> - (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Santa 1 c, twi 67505	6. State Oil & Gas Lease No.
87505	EC AND DEDODTE ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSA	ES AND REPORTS ON WELLS ALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name of Omit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICA" PROPOSALS.)	TION.FOR PERMIT" (FORM C-101) FOR SUCH	Bravolome 1935
1. Type of Well: Oil Well	ias Well 🕅 Other 🧘 🤈	8. Well Number
2. Name of Operator	ICATOR	9. OGRID Number
3. Address of Operator	SA INC.	10. Pool name or Wildcat
DOBOX 429 4. Well Location	4, Houston TX 7721C	
Unit Letter K : 1	MO feet from the South line and	1700 feet from the West line
Section 16	Township QN Range 35E	NMPM County UNION
	11. Elevation (Show whether DR, RKB, RT, GR,	elc.)
	4556.1	
. 12. Check Ap	propriate Box to Indicate Nature of Noti	ce, Report or Other Data
NOTICE OF INT	ENTION TO: S	UBSEQUENT REPORT OF:
	PLUG AND ABANDON 🔲 REMEDIAL W	ORK ALTERING CASING
	· ·	DRILLING OPNS. P AND A
PULL OR ALTER CASING DOWNHOLE COMMINGLE	MULTIPLE COMPL CASING/CEM	MENT JOB
20VIIIIOLE OOIMINIIVOLE		·
OTHER:	OTHER:	
). SEE RULE 19.15.7.14 NMAC. For Multiple	, and give pertinent dates, including estimated date Completions: Attach wellbore diagram of
proposed completion or recon		
_		
	1 +1=== () == /	
Lle	Muched	··
		·
S and David	2:21	10 1
Spud Date:	Rig Release Date:	119 12011
• • •		
I hereby certify that the information ab-	ove is true and complete to the best of my knowle	edge and belief.
D D	1	1 1 1 - 1 -
signature L. Joc	bett TITLE Leg. and	LYST DATE 3/20/12
Type or print name L. Kiki La	ckett E-mail address: Kiki-loc	LeHQOKY COMPHONE: 713-215-7643
For State Use Only		
APPROVED BY:	Vartan TITLE DISTRICT SU	IPERVISOR DATE 8/29/2012
Conditions of Approval (if any): /		

Operation Summary Report

Well: BRAVO DOME UNIT 1935 162K

Event Name: DEV DRILLING

Project: BRAVO DOME

Prim. Reason: ORIG DRILL VERT

Site: BRAVO DOME C02 UNIT

Start Date: 7/5/2011 End Date: 7/9/2011

AND STREET, ST		End Date: 7/9/2011 Rig Name: TRINIDAD 208
# Date	Time Start-End	Hrs' Op Details
1 07/05/2011	08:00 - 12:00	4.00 CALLED ED MARTIN WITH THE NMOCD ON INTENT TO SPUD
		CONTINUE RIG DOWN
		10:00 SAFETY REFRESHER ON SAFETY REQUIREMENTS FOR DRIVERS AND RIG HANDS. REMINDED
	12:00 - 16:00	TRUCERS TO USE SPOTTERS WHILE BACKING 4.00 BEGIN MOVING TO BDU 1935-162K
		PJSM ON NEW LOCATION: STOP WORK AUTHORITY AND FLAGGERS
	16:00 - 20:00	4.00 DERRICK UP @ 1630
		19:30 100% ON LOCATION
		18:00 SAFETY BREAK FOR HYDRATION
* .	20:00 - 00:00	4.00 BEGAN BUILDING SPUD MUD AND CONTINUE RIGGING UP
		ACCEPTED RIG @ 22:00
		22:20 PARTIAL RENTAL GENERATOR FAILURE; LIGHTS ONLY. FOUND A LOOSE CONNECTION, BUT
		LIGHTS CONTINUE TO FLICKER. RIG MANAGER CALLED FOR A TRINIDAD ELECTRICIÁN. ETA 4.
2 07/06/2011	00:00 - 02:30	2.50 FILLING STEEL PIT, RIGGING UP TO SPUD
		BIT - 12.25" SMITH FG04, SERIAL # PS55405 2 - 8" DRILL COLLAR X-OVER 17 - 6" DC
		MIX SPUD MUD, HOLD PJSM & SPUD MEETING
	02:30 - 06:00	3.50 SPUDDED 12 1/4" HOLE @ 0230
	•	DRILLED 12 1/4" HOLE FROM 0' TO 125'; ROP = 35
		DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY THIRD CONNECTION
		CIRCULATE THROUGH STEEL PITS
		WOB = 56 KLBS
		ROTARY = 135 RPM PUMP RATE = 353 GPM (60 SPM)
	· · · · · · · · · · · · · · · · · · ·	PUMP PRESSURE = 720 PSI
	06:00 - 10:00	4.00 DRILLED 12 1/4" HOLE FROM 125' TO 400'; ROP = 68
		DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY OTHER CONNECTION
		CIRCULATE THROUGH OUTER RESERVES
		SURVEY @ 400' 1DEG
		WOB = 60 KLBS
		ROTARY = 148 RPM PUMP RATE = 353 GPM (60 SPM)
		PUMP PRESSURE = 850 PSI
		SAFETY BREAK: DISCUSSED SAFETY IN GENERAL.
•		

Operation Summary Report

		Operation Summary Report
Well:	BRAVO DOME UNIT 1935 16	62K Event Name: DEV DRILLING
Project:	BRAVO DOME	Prim. Reason: ORIG DRILL VERT
Site:	BRAVO DOME C02 UNIT	Start Date: 7/5/2011
# - F - W	Na 90 No Andrew Co. ■	End Date: 7/9/2011 Rig Name: TRINIDAD 208
#	· "我们就是我们的,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	Hrs Op Details
	10:00 - 14:00	4.00 DRILLED 12 1/4" HOLE FROM 400' TO 700'; ROP = 75
		DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY OTHER CONNECTION
		CIRCULATE THROUGH OUTER RESERVES
		NOTE: SWITCHED BACK OVER INTO STEEL PITS @ 680'
		WOB = 60 KLBS ROTARY = 95 RPM
		PUMP RATE = 355 GPM (63 SPM)
		PUMP PRESSURE = 950 PSI
		SAFETY BREAK: DISCUSSED LOCK OUT TAG OUT.
	14:00 - 15:30	1.50 DRILLED 12 1/4" HOLE FROM 700' TO 795'; ROP = 63.3
		DROP SOAP STICK EVERY CONNECTION AND 1 SWEEP STICK EVERY OTHER CONNECTION
The second		CIRCULATE THROUGH STEEL PITS
		- 발표하게 없다니다. 그 사이가 하는 하는 하는 것이 모든 모든 사람들이 없는 것도 모든 모든 가지 하다.
3,14		WOB € 60 KLBS ROTARY € 148 RPM
		PUMP RATE = 355 GPM (63 SPM)
	15:30 - 16:00	PUMP PRESSURE = 950 PSI 0.50 PUMP VISCOUS SWEEP AND 2 BOTTOMS UP BEFORE TRIP
*,	16:00 - 18:00	2.00 DROP TOTCO AND TRIP OUT OF THE HOLE FROM 795 TO SURFACE
		SUDVEY @ 705 - 0.75
		SURVEY @ 795 = 0.75
٠.		ENCOUNTERED SOME TIGHT HOLE FROM 635' UP TO 486'. PUMPED AND BACK REAMED THROUGH SLOW WITH NO PROBLEM.
	18:00 - 20:00	2.00 PJSM - RIG UP & RUN 18 JTS. 8 5/8", 24#, J-55, ST & C, SURFACE CASING:
		1 - 8 5/8" TEXAS PATTERN SHOE50'
		1 - SHOE JOINT
* * *	20,00 21,00	1 - INSERT FLOAT
<u>* </u>	20:00 - 21:00 21:00 - 23:00	1.00 RIG UP CEMENTING HEAD, CIRCULATE CASING AND HOLD PJSM WITH RIG AND CEMENT CREW 2.00 PUMP A 20 BBL FRESH WATER SPACER
	21.00 20.00	- PUMP RATE = 5 BBL/MIN
		PUMPED 120 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 = 6 BBL/MIN
		- PRESSURE = 140 PSI
		DISPLACED WITH 46 BBLS OF FRESH WATER
		- PUMP RATE = 5.5 BBL/MIN
	•	- PRESSURE = 302 PSI - FINAL @ 2BPM = 302 PSI
		BUMPED PLUG @ 23:00 AND PRESSURED UP TO 560 PSI HELD FOR 5 MIN. GOT BACK .5 BBL TO TRUCK FLOATS HELD.
		FULL RETURNS THROUGHOUT JOB
• •		GOT BACK 56.5 BBL (235 SKS) TO SURFACE.
24. (23:00 - 00:00	1.00 WOC, JET CELLAR, CLEAN PITS, SERVICE RIG AND SWIVEL
3 07	/07/2011 00:00 - 03:00	MUD UP PREMIX FOR VISCOUS SWEEPS AFTER DRILLING OUR FLOAT COLLAR 3.00 WOC, MUD UP PREMIX FOR VISCOUS SWEEPS AFTER DRILLING OUR FLOAT COLLAR
- A		5.00 FINISH MUD UP, N/U BOP
	08:00 - 08:30	0.50 PJSM WITH RIG CREW. TEST BOP AND WELL HEAD TO 1000 PSI HIGH 5 MINUTES AND 250LOW 5 MINUTES TEST GOOD
. 6	08:30 - 10:30	2:00 RIG UP TO TRIP IN HOLE AND TRIP IN HOLE WITH 7 7/8" PRODUCTION ASSEMBLY TO TOP OF
1. 8. 5.	# 1 To 1 T	CEMENT @ 724

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ME UNIT 1935 162 ME CO2 UNIT Time Start-End 0:30 - 13:00	Prim Stari End		DEV DRILLING ORIG DRILL VER' 7/5/2011 7/9/2011	. .	Rig Name: TRINIDAD 208	
ME C02 UNIT Time H Start-End	Start End	Date:	7/5/2011		Dia Nama: TRINIDAD 200	
Start-End	End				Die Name: TRINIDAD 200	
Start-End			-B 2.89% No. 1		Rig Name: TRINIDAD 208	
man town a doublest	The state of the state of the state of	100 300 300	AND THE RESERVE AND ADMINISTRATION OF THE PARTY OF THE PA	MALL TO CALL		NATE OF THE STATE
0:30 - 13:00				30 A A A A		- (* (* (* * (* * (*))))
3:00 - 13:30	2.50 CHANGE OUT M 0.50 SERVICE RIG	OD LINE O	N POWER SWIVEL	· · · · · · · · · · · · · · · · · · ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		1000 PSI	FOR FIVE MIN. AN	n beilt out eit	G, FLOAT, AND SHOE TRACK TO	795'
	4.00 DRILL 7 7/8" PRO				S, TEOMI, MIND ONO E TO TOTAL	2,700, 1
	AVG. ROP = 61.7	5'/HR				
	MOR - 31 36 KI	20				
			•		•	
		E = 967 PS	SI .			
		HROUGH C	OUTER RESERVES		,	
						_
0·00 = 33·00 * · · ·					EEP STICK EVERY 3RD CONNEC	JTION ,
9.00 - 23.00	73	and the second second	HOLE LKOW 195	1042		
22.44		Marian Maria				
	and the second s		The second second			
	10 00 N A A A A A A A A A A A A A A A A A		3 SPM)			
	MW = 9.2 PPG			*, .		
	SWITCHED TO S	TEEL PITS	USING FRESHWA	TER AND POLY-P	AC UL	
			*			
23:00 - 00:00			HOLE FROM 1261	- 1296'		
	AVG. ROP = 3571	HR .				
	WOB = 32-38 KL	3S				
	ROTARY = 89 RF	M				
		•	•			
		E = 1150 P	51			
					•	
						
00:00 - 04:00		8 44 C	HOLE FROM 1296	- 1495'		•
1 1	AVG. ROF = 49.7	3/ПК				
•	WOB = 30-32 KL	38				
-					**************************************	
	MW = 9.1 PPG	11501	01,		•	
•						
					TICKS EVERY 3RD	• .
04:00 - 06:00						
	AVG. ROP = 72.5	'/HR				
	WOB - 30 33 KI	10				
						•
	PUMP RATE = 35	33 GPM (63	,			
		E = 1150 P	SI			
	. ww = 8,8 PPG					
		•				
				ON AND SWEEP S	TICKS EVERY 3RD	•
	CIRCULATING T	HROUGH S	TEEL PITS		· .	
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· · · · · · · · · · · · · · · · · · ·						
,					1	
					1	
1	19:00 - 23:00 23:00 - 00:00	AVG. ROP = 61.7 WOB = 31-36 KLI ROTARY = 85 RF PUMP RATE = 35 PUMP PRESSUR MW = 8.5 PPG CIRCULATING TI DROPPING ONE 19:00 - 23:00 4.00 DRILL 7 7/8" PRC AVG. ROP = 54.7 WOB = 32-38 KLI ROTARY = 85 RF PUMP RATE = 35 PUMP PRESSUR MW = 9.2 PPG SWITCHED TO S DUMP AND DILU 23:00 - 00:00 1.00 DRILL 7 7/8" PRC AVG. ROP = 357/I WOB = 32-38 KLI ROTARY = 89 RF PUMP RATE = 35 PUMP PRESSUR MW = 9.2 PPG CIRCULATING TI 20:00 - 04:00 4.00 DRILL 7 7/8" PRC AVG. ROP = 49.7 WOB = 30-32 KLI ROTARY = 100 R PUMP RATE = 35 PUMP PRESSUR MW = 9.1 PPG DROPPING SOAI CIRCULATING TI 20:00 - 06:00 2.00 DRILL 7 7/8" PRC AVG. ROP = 72.5 WOB = 30-32 KLI ROTARY = 100 R PUMP RATE = 35 PUMP PRESSUR MW = 9.1 PPG DROPPING SOAI CIRCULATING TI 2.00 DRILL 7 7/8" PRC AVG. ROP = 72.5 WOB = 30-32 KLI ROTARY = 100 R PUMP RATE = 35 PUMP PRESSUR MW = 8.8 PPG	AVG. ROP = 61.75/HR WOB = 31-36 KLBS ROTARY = 85 RPM PUMP RATE = 353 GPM (63 PUMP PRESSURE = 967 PS MW = 8.5 PPG CIRCULATING THROUGH CO DROPPING ONE SOAP STICE (19:00 - 23:00	AVG. ROP = 61.75/HR WOB = 31-36 KLBS ROTARY = 85 RPM PUMP RATE = 353 GPM (63 SPM) PUMP PRESSURE = 967 PSI MW = 8.5 PPG CIRCULATING THROUGH OUTER RESERVES DROPPING ONE SOAP STICK PER CONNECT 19:00 - 23:00	AVG. ROP = 61.75/HR WOB = 31-36 KLBS ROTARY = 85 RPM PUMP RATE = 353 GPM (63 SPM) PUMP PRESSURE = 967 PSI MW = 8.5 PPG CIRCULATING THROUGH OUTER RESERVES DROPPING ONE SOAP STICK PER CONNECTION AND ONE SW 19:00 - 23:00 4.00 DRILL 7 7/8° PRODUCTION HOLE FROM 795′ - 1042′ AVG. ROP = 54.75′/HR WOB = 32-38 KLBS ROTARY = 85 RPM PUMP RATE = 353 GPM (63 SPM) PÜMP PRESSURE = 1100 PSI MW = 9.2 PPG SWITCHED TO STEEL PITS USING FRESHWATER AND POLY-P/DUMP AND DILUTE AS NEEDED TO STAY BELOW 9.4 1.00 DRILL 7 7/8° PRODUCTION HOLE FROM 1261′ - 1296′ AVG. ROP = 35′/HR WOB = 32-38 KLBS ROTARY = 89 RPM PUMP RATE = 353 GPM (63 SPM) PUMP PRESSURE = 1150 PSI MW = 9.2 PPG CIRCULATING THROUGH STEEL PITS 1.00 O - 04:00 4.00 DRILL 7 7/8° PRODUCTION HOLE FROM 1296′ - 1495′ AVG. ROP = 49.75′/HR WOB = 30-32 KLBS ROTARY = 100 RPM PUMP PRESSURE = 1150 PSI MW = 9.1 PPG DROPPING SOAP STICKS EVERY CONNECTION AND SWEEP S' CIRCULATING THROUGH STEEL PITS 2.00 DRILL 7 7/8° PRODUCTION HOLE FROM 1495′ - 1640′ AVG. ROP = 72.5′/HR WOB = 30-32 KLBS ROTARY = 100 RPM PUMP PRESSURE = 1150 PSI MW = 9.1 PPG DROPPING SOAP STICKS EVERY CONNECTION AND SWEEP S' CIRCULATING THROUGH STEEL PITS 2.00 DRILL 7 7/8° PRODUCTION HOLE FROM 1495′ - 1640′ AVG. ROP = 72.5′/HR WOB = 30-32 KLBS ROTARY = 100 RPM PUMP PRESSURE = 350 GPM (63 SPM) PUMP PRESSURE = 1150 PSI MW = 8.8 PPG	AVG. ROP = 61.75/HR WOB = 31-36 KLBS ROTARY = 65 RPM PUMP RATE = 353 GPM (63 SPM) PUMP PRESSURE = 967 PSI MW = 8.5 PPG CIRCULATING THROUGH OUTER RESERVES DROPPING ONE SOAP STICK PER CONNECTION AND ONE SWEEP STICK EVERY 3RD CONNECTION FOR STICK PER CONNECTION AND ONE SWEEP STICK EVERY 3RD CONNECTION FOR STICK PER CONNECTION FOR SWEEP STICK EVERY 3RD CONNECTION FOR SWEEP STICKS EVERY

		Opera	ition Summary Report
Vell:	BRAVO DOME UNIT 1935 1	162K Event Name:	DEV DRILLING
roject:			ORIG DRILL VERT
Site:	BRAVO DOME CO2 UNIT	Start Date:	7/5/2011
J.1.0.	1	End Date:	7/9/2011 Rig Name: TRINIDAD 208
#	Date Time	A DOMESTIC OF THE PARTY OF THE	
, KAC,	Start-End		
	06:00 - 10:00	4.00 DRILL 7 7/8" PRODUCTIO AVG. ROP = 58'/HR SURV	
		WOB = 30-38 KLBS	
		ROTARY = 85 RPM	
		PUMP RATE = 353 GPM (PUMP PRESSURE = 950 F	
		MW = 8.8 PPG	
		DROPPING SOAP STICKS CIRCULATING THROUGH	S EVERY CONNECTION AND SWEEP STICKS EVERY 3RD STEEL PITS
		SAFETY BREAK: DISCUS:	SED MIXING MUD AND CHEMICALS.
<u> </u>	10:00 - 10:30	0.50 SERVICE RIG	
	10:30 - 14:00	3.50 DRILL 7 7/8" PRODUCTIO AVG. ROP = 60'/HR IDEN	N HOLE FROM 1870' - 2080' TIFIED THE CIMARRON @ 2001' - 2019'
		WOB = 30-38 KLBS	
		ROTARY = 85 RPM	
		PUMP RATE = 353 GPM (PUMP PRESSURE = 1150	
		MW = 8.8 PPG	r 31
		DROPPING SOAP STICKS	S EVERY CONNECTION AND SWEEP STICKS EVERY 3RD
		CIRCULATING THROUGH	STEEL PITS
		SAFETY BREAK: TRIPPIN	G PIPE
	14:00 - 17:00	3.00 DRILL 7 7/8" PRODUCTIO AVG. ROP = 40 /HR	N HOLE FROM 2080 - 2199
	•	WOB = 30-38 KLBS	
	*	ROTARY = 85 RPM	
		PUMP RATE = 353 GPM (
		PUMP PRESSURE = 1300 MW = 8.8 PPG	PSI
٠.		WW - 0.0 FFG	
45			
			S EVERY CONNECTION AND SWEEP STICKS EVERY 3RD
**		CIRCULATING THROUGH	STEEL PITS
2		SAFETY BREAK: TRIPPIN	G PIPE
~ 	17:00 - 18:00	1.00 CIRCULATE VISCOUS SW	/EEP AND 2 BOTTOMS UP
	17:00 - 18:00 18:00 - 20:00	1.00 CIRCULATE VISCOUS SW 2.00 DROP SURVEY AND TOH	
		2.00 DROP SURVEY AND TOH	
			FROM 2199'
	18:00 - 20:00	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F	FROM 2199' RIG CREW: RUNNING CASING
	18:00 - 20:00 20:00 - 20:30	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING
	18:00 - 20:00	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING
	18:00 - 20:00 20:00 - 20:30	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING
N	18:00 - 20:00 20:00 - 20:30	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR 2.50 RUN 5 1/2" PRODUCTION - GUIDE SHOE - 2193 - 10' SHOE JOINT - 2183	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING
	18:00 - 20:00 20:00 - 20:30	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR 2.50 RUN 5 1/2" PRODUCTION - GUIDE SHOE2193 - 10' SHOE JOINT2183 - INSERT FLOAT2183	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING CASING TO 2193'
	18:00 - 20:00 20:00 - 20:30 20:30 - 23:00	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR 2.50 RUN 5 1/2" PRODUCTION - GUIDE SHOE - 2193 - 10' SHOE JOINT - 2183 - INSERT FLOAT - 2183 - 53 JTS OF 5 1/2" 15 5# J-	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING CASING TO 2193' -55 LTC FROM 2183' TO SURFACE
5 07	18:00 - 20:00 20:00 - 20:30 20:30 - 23:00 23:00 - 00:00	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR 2.50 RUN 5 1/2" PRODUCTION - GUIDE SHOE - 2193 - 10' SHOE JOINT - 2183 - INSERT FLOAT - 2183 - 53 JTS OF 5 1/2" 15.5# J- 1.00 RIG DOWN CRT, INSTALL	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING CASING TO 2193' 55 LTC FROM 2183' TO SURFACE 2" LINES AND R/U CMT HEAD AND MANIFOLD
5 07	18:00 - 20:00 20:00 - 20:30 20:30 - 23:00	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR 2.50 RUN 5 1/2" PRODUCTION - GUIDE SHOE - 2193 - 10' SHOE JOINT - 2183 - 10' SHOE JOINT - 2183 - 53 JTS OF 5 1/2" 15 5# J- 1.00 RIG DOWN CRT, INSTALL 0.50 FINISH RIGGING DOWN C	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING CASING TO 2193' -55 LTC FROM 2183' TO SURFACE
5 07	18:00 - 20:00 20:00 - 20:30 20:30 - 23:00 23:00 - 00:00	2.00 DROP SURVEY AND TOH SURVEY = .75 @ 2199 0.50 SAFETY MEETING WITH F RIG UP TO RUN 5 1/2" PR 2.50 RUN 5 1/2" PRODUCTION - GUIDE SHOE - 2193 - 10' SHOE JOINT - 2183 - INSERT FLOAT - 2183 - 53 JTS OF 5 1/2" 15.5# J- 1.00 RIG DOWN CRT, INSTALL	FROM 2199' RIG CREW: RUNNING CASING ODUCTION CASING CASING TO 2193' 55 LTC FROM 2183' TO SURFACE 2" LINES AND R/U CMT HEAD AND MANIFOLD

		Operat	ion Summary	Report		
Well:	BRAVO DOME UNIT 1935 162K	Event Name:	DEV DRILLING	2 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		A Care of the Charles of the Care of the C
Project:	BRAVO DOME	Prim. Reason:	ORIG DRILL VERT			
Site:	BRAVO DOME C02 UNIT	Start Date:	7/5/2011			
M 10 5 1		End Date:	7/9/2011	Rig Name:	TRINIDAD 208	zina invinus a inseta instituterni.
	Date Time Hrs Start-End	Op Details				
	00:30 - 02:00 1.50	PJSM WITH TRINIDAD AND	HALLIBURTON			E-T-
		PUMPED CEMENT JOB AS	FOLLOWS:	The state of the s		
		no bbi eneculia teb or				
		+20 BBL FRESH WATER SE	ACER AT 3.3 BBL/M	IN AND 247 PSI		
		- 173.6 BBL OF PREMIUM F	PLUS MIDCON 2 W/2	% CC, LEAD CEMENT		
٠.		- 11.1 PPG - YIELD = 3.25 CUF	T/SACK			
		- 25 LBM POLY-E-F			•	
		- PUMP RATE = 6 B	The state of the s			
,		- PUMP PRESSURI	E = 220 PSI	1.00		Y. (1.4)
		- 49.4 OF PREMIUM PLUS	MIDCON W/2% CC	and the second		
		- 13.2 PPG - YIELD = 1.85 CI	LIET/SACK			
		25 LBM POLY-	E-FLAKE		Mary Control	المنافية الم
the Co		- PUMP RATÉ = (
		- PUMP PRESSU	IKE = 100 PSI			
		- DISPLACE WITH 52 BBLS	OF FRESH WATER			
		BUMPED PLUG AT 1064 PS	a de la companya de l			
		RETURNED 0.5 BBL TO TR				
		OIDOUR ATED 400 DDL (477	OKO TO OUDEAGE			
	02:00 - 05:00 3.00	_CIRCULATED 102 BBL (177 RIG DOWN HALLIBURTON	SKS) TO SURFACE			
		BACKED OUT LANDING JO	INT	•		
		NIPPLE DOWN BOP, AND J	IET PITS.			
	•	RELEASE RIG TO THE BDL	1 1935-021FK @ 050	IN HOURS		
		TELEFICE MOTO TO THE BBC	_ ,000 02 11 11 (@ 000	51155116		

Casing Report

Well:	BRAVO DOME UNIT 1935 162K	Event Name:	DEV DRILLING	Report Date:	7/6/2011
Project:	BRAVO DOME	Prim. Reason:	ORIG DRILL VERT	Report No.:	1
Site:	BRAVO DOME C02 UNIT	Start Date:	7/5/2011	Wellbore:	00
Active D	atum: Original KB @4,563.70ft (above Mean Sea Level)	End Date:	7/9/2011		

	Assembly			Casing Flange		Status History
Assembly Name:	SURFACE CASING	Weight in Slips:	Manufacturer:	VETCO GRAY	7/5/2011	INSTALLED
Nom. Size:	8.625 (in)	Hours Circ:	Model:	VG CWCT		
Top MD:	12.00 (ft)	Fluid Lost:	Hanger Model:			
Landed MD:	786.15 (ft)	Vol Fluid Lost:	Packoff Model:			
Assembly Length:	774.15 (ft)		Top Flange Size/Rating:	11.000 (in)/3000 (psi)		
Liner Overlap:			Btm Flange Size/Rating:			

							Comp	ponenta						
Component Name	Jts	Length (ft)		Btm MD (ft)	Nominal OD	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	fanufacturer	Model	Serial No.	Cond
CASING JOINT(S)	17	730.20	12	742.20	8,625			24.00	J-55	STC	 	and the second second	The same of the same of the same of	
INSERT FLOAT	,1·	0.00	742	742.20	8,625	8.097	7.972	0.00	,	7. Th.				
SHOE JOINT	1	43.45	742	785.65	8.625	8.097	7.972	24.00	J-55	STC	-			
TEXAS PATTERN SHOE	1	0,50	786	786.15	8.625	8.097	7.972	24.00				-		1.14

	Jewelry	3 475.				
Accessory Name	Manufacturer	Num	Spacing (ft)	Top MD (ft)	erval Btm MD (ft)	How Fixed
CENTRALIZER	HALLIBURTON	4500_37 W 97 W W	6	12.00	786,00	COUPLING

Remarks	177
THE PROPERTY OF THE PROPERTY O	177
「PECANNAL TALL AND A STATE A	
Remarks	

Casing Report

Well:	BRAVO DOME UNIT 1935 162K	Event Name:	DEV DRILLING	Report Date:	7/8/2011
Project:	BRAVO DOME	Prim. Reason:	ORIG DRILL VERT	Report No.:	2
Site:	BRAVO DOME CO2 UNIT	Start Date:	7/5/2011	Wellbore:	00
Active D	atum: Original KB @4,563.70ft (above Mean Sea Level)	End Date:	7/9/2011		

	Assembly			Casing Flange	P 422 201	Status History
Assembly Name:	PRODUCTION CASING	Weight in Slips:	Manufacturer:	FMC	7/7/2011	INSTALLED
Nom. Size:	5.500 (in)	Hours Circ:	Model:	FMC TC		
Top MD:	12.00 (ft)	Fluid Lost:	Hanger Model:			
Landed MD:	2,198.97 (ft)	Vol Fluid Lost:	Packoff Model:			
Assembly Length:	2,186.97 (ft)	• •	Top Flange Size/Rating:	5.500 (in)/2000 (psi)		
Liner Overlap:			Btm Flange Size/Rating:			i
			·			

		7430.J					Com	ponenta								
Component Name	Uts	L'ength N (ft)		Btm MD (ft)	Nominal OD*	Nominal ID (in)	Drift ID (in)	Weight (ppf)	Grade	Threads	i N	Aanufacturer	Model	Serial No.	Cond	
CASING JOINT(S)	52	2,176.47	12	2,188.47	5,500	4.950	4.825	15.50	J-55	LTC						
INSERT FLOAT	.1	0.00	2188	2,188.47	5.500	4.950	4.825	0.00								
SHOE JOINT	1	10.00	2188	2,198.47	5.500	4.950	4.825	15.50	J-55	LTC						
GÜİDE SHOE	[st:]	0.50	2198	2,198.97	5.500	4.950	4.825	0.00	74.0	A Comment						

	Jewelry				
Accessory Name	Manufacturer	Num Spacing (ft)	Inte	rval Btm MD (ft)	How Fixed
CENTRALIZER	HALLIBURTON	14	12.00	2,186.00	COUPLING

Remarks	Control of the State of the Sta

PRIMARY Cementing Report

BRAVO DOME UNIT 1935 162K

DEV DRILLING Event Name:

Report Date: 7/6/2011

00

in the growing

Project: BRAVO DOME

ORIG DRILL VERT Prim. Reason:

7/5/2011

7/9/2011

Site

Report No.:

BRAVO DOME C02 UNIT

Start Date: End Date:

Wellbore:

Active Datum: Original KB @4,563.70ft (above Mean Sea Level)

General Job Information

HALLIBURTON

SURFACE CASING Cemented Assembly:

Assembly Size:

8.625 (in)

Actual TOC MD:

12.00 (ft) Cmt Returns at Surf

Foam

Assembly Btm MD:

786 (ft)

TOC Locate Method:

WOC Time: Cement:

Contractor:

Total Slurry in Well:

Not Ready to FN

Assembly Set Date:

07/06/2011 Excess Slurry Volume:

577.1 (bbl)

Static BHT: Returns

Hole Size: Volume Lost:

12.250 (in) 0.0 (bbl)

Est Cmt Vol Returns to Surf

56.5 (bbl)

Pipe Movement - No Movement

Rotating Init Rot. Torque:

Drag Wt. Up:

Rotating Start: Rotating End: Rotating RPM:

Avg Rot. Torq.: Max Rot. Torq.: Reciprocate End: Reciprocate SPM:

Drag Wt. Down

Stage 1 - Primary 12 - 786 ft

CTU Used Top Plug Used Circulate Prior: Bottom Plug Used: Circulate Flow Rate Bumped Plug: Circulate Press Plug Catcher Used

Ann Press Held: Float Held Pill Spotted Below Plug

Annular Flow

Press. Prior to Bump Bump Press.: Press. Over Pumping: Duration Press. Held:

FRESH WATER Pumping Start:

LEAD CEMENT

22:12 22:17

Slurry Type SPACER

Total Slurry Volume 0.0 (bbl) Excess Slurry Percent: Excess Measured By:

Slurry Top MD: Slurry Btm MD: Total Water Vol Used:

Actual Sacks Used

Actual Sacks Used:

0.0 (bbl)

600

Rate: Foam Job:

Pumping End:

Class: 5.00 (bbl/min) Density:

8.33 (ppg) Yield:

Mix Water Ratio: Mix Method: Total Slurry Volume

144.3 (bbl) Slurry Top MD: 400.00 (%) Slurry Btm MD:

Total Water Vol Used: 90.7 (bbl)

Pumping Start: Pumping End: Rate Foam Joh

22:43 6.00 (bbl/min)

22:18

Additive Name

POL-E FLAKES

22:45

23:04

5.50 (bbl/min)

CALC₂

Slurry Type: Class: Density Yield:

Additive Type

ACCEL FRATOR

CIRCULATION LOSSES

PREM PLUS 14.80 (ppg) 1,3500 (ft³/sk)

CEMENT

Excess Slurry Percent: Excess Measured By: Mix Water Ratio: Mix Method:

Additive Conc.

2.000 % BWOC

Mix Water Ratio:

Mix Method:

0.250 gal/bbl

Additive Amount 50.00 Sacks 150.00 lb/Mgal

FRESH WATER Pumping Start: Pumping End: Rate:

Slurry Type: Class: Density: Yield:

Sail Traine DISPLACEMENT С 8.33 (ppg)

Total Slurry Volume Excess Slurry Percent: Excess Measured By:

0.0 (bbl) 400.00 (%)

6.350 (gal/sk94)

Slurry Top MD: Slurry Btm MD: Total Water Vol Used:

Actual Sacks Used:

0.0 (bbl)

Foam Job

CEMENT JOB WENT AS PLAN GOOD CEMENT CREW.

8/6/2012 12:48:44PM

PRIMARY Cementing Report

PRODUCTION CASING

BRAVO DOME UNIT 1935 162K

DEV DRILLING Event Name:

Report Date: 7/8/2011 2

Project: BRAVO DOME

BRAVO DOME C02 UNIT

Prim. Reason: ORIG DRILL VERT 7/5/2011

Report No.:

Active Datum: Original KB @4,563.70ft (above

Mean Sea Level)

Start Date: End Date:

7/9/2011

Wellbore:

General Job Information

HALLIBURTON Contractor: WOC Time:

Full

Cemented Assembly:

5.500 (in) 2199 (ft)

Actual TOC MD:

12.00 (ft)

Foam Cement: Assembly Size: Assembly 8tm MD:

TOC Locate Method:

Cmt Returns at Surf

Assembly Set Date:

Total Slurry in Well:

223.1 (bbl)

Not Ready to FN Static BHT:

Returns:

Hole Size: Volume Lost: 07/08/2011 12.250 (in) 0.0 (bbl)

Excess Slurry Volume: Est Cmt Vol Returns to Surf.

76.0 (bbl)

Pipe Movement - No Moveme	nt .			
	Rotating			Reciprocating
Rotating Start:	Init Rot. Torque;	(ft-lbf)	Reciprocate Start:	Stroke Length:
Rotating End:	Avg Rot. Torq.:		Reciprocate End:	Drag Wt. Up:
Potating RDM:	May Rot Toro :		Pacingacata SDM:	Drag Wt Down:

CTU Used:		Top Plug	Used:	Annular Flow:		Press. Prior to Bump:	
Circulate Prior:		Bottom P	ug Used:	Ann Press Held:		Bump Press.:	
Circulate Flow R	ate:	Bumped I	Plug:	Float Held:		Press. Over Pumping:	
Circulate Press:	•	Plug Cate	her Used:	Pill Spotted Below F	Plug:	Duration Press. Held:	
i (J. W.Y.C.)	goth/second				eeraaaaaa.		906-575 3 6%-5
Pumping Start:	00:38	Slurry Type:	SPACER	Total Slurry Volume:	0.0 (bbl)	Slurry Top MD:	
Pumping End:	00:41	Class:		Excess Slurry Percent:	`	Slurry Btm MD:	
Rate:	5.00 (bbl/min)	Density:	8.30 (ppg)	Excess Measured By:		Total Water Vol Used:	0.0 (bbl)
Foam Job:		Yield:		Mix Water Ratio:		Actual Sacks Used:	
				Mix Method:		<u>.</u>	
EAD CEMENT							A CAPACITY OF THE CAPACITY OF
Pumping Start:	00:42	Slurry Type:	CEMENT	Total Slurry Volume:	173.7 (bbl)	Slurry Top MD:	
Pumping End:	01:11	Class:	PREM PLUS	Excess Slurry Percent:	100.00 (%)	Slurry Btm MD:	
Rate:	5.50 (bbl/min)	Density:	11.10 (ppg)	Excess Measured By:		Total Water Vol Used:	146.0 (bbl)
Foam Job:		Yield:	3.2500 (ft³/sk)	Mix Water Ratio:	20.440 (gal/sk94)	Actual Sacks Used:	300
				Mix Method:			
<u>A</u>	dditive Name	Additive Type		Additive Conc.	Additive Amoun	<u>.</u>	
C	ALC2	ACCELERATO	R	2.000 % BWOC	4.00 bbl		
	OL-E FLAKES	CIRCULATION	LOSSES	0.250 lbs/sk	87.50 lbs		
AIL CEMENT					TATAL WILLIAM		
Pumping Start:	01:12	Slurry Type:	CEMENT	Total Slurry Volume:	49.4 (bbl)	Slurry Top MD:	
Pumping End:	01:23	Class:	PREM PLUS	Excess Slurry Percent:	100.00 (%)	Slurry Btm MD:	
Rate:	5.50 (bbl/min)	Density:	13.20 (ppg)	Excess Measured By:		Total Water Vol Used:	35.5 (bbl)
Foam Job:		Yield:	1.8500 (ft³/sk)	Mix Water Ratio:	9.950 (gal/sk94)	Actual Sacks Used:	150
				Mix Method:			
A	dditive Name	Additive Type		Additive Conc.	Additive Amoun	t	
C	ALC2	ACCELERATO	R	2.000 % BWOC	1.00 bbl	-	
P	OL-E FLAKES	CIRCULATION	LOSSES	0.250 lbs/sk	37.50 lbs		
RESH WATER		La Miller St. L. C.			是特色的人的		<u>ૈકના કારો પૂર્વે કહ્યું છે.</u>
Pumping Start:	01:26	Slurry Type:	DISPLACEMENT	Total Slurry Volume:	0.0 (bbl)	Slurry Top MD:	
Pumping End:	01:44	Class:		Excess Slurry Percent:		Slurry Btm MD:	
Rate:	7.50 (bbl/min)	Density:	8.30 (ppg)	Excess Measured By:	•	Total Water Vol Used:	0.0 (bbl)
Foam Job:		Yield:		Mix Water Ratio:		Actual Sacks Used:	
				Mix Method:			

CEMENT JOB WENT AS PLAN GOOD CREW