Form 31	
(August	<b>1</b> 999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
/ OMB NO. 1004-0135
Expires: November 30, 200

	Expires. No
5.	Leasé Serial No.
	NMNM013885

/	OMB NO.	1004	-013	5
/E	Expires: Nove	ember	30,	20
Leasé Se	rial No.			

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SUNDRY NOTICES AND REPORTS ON WELLS

Do not use thi abandoned wel	6. If Indian, Allottee	6. If Indian, Allottee or Tribe Name			
SUBMIT IN TRII	7. If Unit or CA/Agro NMNM73679	7. If Unit or CA/Agreement, Name and/or No. NMNM73679			
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Oth		8. Well Name and No. CRAWFORD COM B 1			
2. Name of Operator BP AMERICA PRODUCTION	9. API Well No. 30-045-07983-	9. API Well No. 30-045-07983-00-C1			
3a. Address 200 ENERGY CT FARMINGTON, NM 87402		3b. Phone No. (include area code) Ph: 281.366.4081 Fx: 281.366.0700	BASIN DAKOT	10. Field and Pool, or Exploratory BASIN DAKOTA OTERO CHACRA	
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description	n)	11. County or Parish, and State		
Sec 24 T29N R12W NWSW 1 36.70857 N Lat, 108.05644 W			SAN JUAN CC	SAN JUAN COUNTY, NM	
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE NATURE OF N	NOTICE, REPORT, OR OTHE	ER DATA	
TYPE OF SUBMISSION		TYPE OF	ACTION		
Notice of Intent	□ Acidize	Deepen	Production (Start/Resume)	☐ Water Shut-Off	
_	☐ Alter Casing	☐ Fracture Treat	Reclamation	☐ Well Integrity	
Subsequent Report	☐ Casing Repair	☐ New Construction	Recomplete	Other	
Final Abandonment Notice	☐ Change Plans	Plug and Abandon	Temporarily Abandon	<del>_</del>	
_	Convert to Injection	Plug Back	Water Disposal		
Attach the Bond under which the wo following completion of the involved	rk will be performed or provide l operations. If the operation re- bandonment Notices shall be final inal inspection.)	e the Bond No. on file with BLM/BL/ sults in a multiple completion or reco- led only after all requirements, includ-	red and true vertical depths of all pert. Required subsequent reports shall tompletion in a new interval, a Form 3 ling reclamation, have been completed ed P&A subsequent	be filed within 30 days	
14. I hereby certify that the foregoing is	Electronic Submission : For BP AMERIC	#29974 verified by the BLM Wel	Uniformation System		
Name (Printed/Typed) CHERRY		cessing by STEVE MASON on 0	07/13/2004 (04SXM1748SE) PRIZED REPRESENTATIVE		
- Tallet Times Types OFICKT	HEAVA	TIME AUTHO	MIZEU NEFRESENTATIVE		
Signature (Electronic	Submission)	Date 07/13/2		·	
	THIS SPACE F	OR FEDERAL OR STATE	OFFICE USE		

Approved By	A(	CC	E	P	T	EC	)	

STEPHEN MASON TitlePETROLEUM ENGINEER

Date 07/13/2004

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## CRAWFORD GAS COM B 1 P&A SUBSEQUENT REPORT 7/12/2004

4/19/04 SPOT & LEVEL RIG SPOT IN H2S TRIMMED BOP. WIND NEVER LET UP. SD OVER NIGHT.

4/20/04 NDWH; NU BOP. TST BLIND RAMS TO 500 LOW & 2000 PSI HIGH, HELD. GOOD TEST. TEST PIPE RAMS TO 500 PSI LOW & 2000 PSI HIGH. HELD. GOOD TEST. RU TO CSG & PMP 20 bbls OF MUD TO KILL, RU TO TBG & PMP 10 bbls TO KILL.

4/21/04 TBG 0 PSI, CSG 0 PSI. FINISH TIH w/TBG & TAG @5690'. SECURE WELL. RIG UP & SPOT DRILLING MUD IN SACKS AT CMT TRUCK. CUT AND MIX 10 SXS OF GELL 225 SXS OF BARITE INTO BATCH MIXER, CIRC UNTIL WE HAD 16.1 # WITH A 48 VISCOSITY MUD, RU CMT TRUCK TO FLAIR PIT & WASH UP, SENT WTR TRUCK FOR MORE WTR, FINISH WASHING UP TRUCK, RU TO WELL HEAD, PREPARE TO SET 1st CMT PLUG, SECURE WELL, SH OVERNIGHT.

4/22/04 RU SCHLUMBERGER CEMENT TRUCKS, MIX AND SPOT A 350' PLUG 5700' to 5350'. HAD NO CIRC WHILE PMPING, PULL TBG UP HOLE, CMT WOULD NOT FALL OUT OF TBG, HAD PULLED 5 JTS WHEN BACKSIDE STARTED FLOWING, RIGGED UP PMP AND HAD TO PUMP 20 bbls MUD TO KILL WELL, PULLED BTG REAL SLOW TO 4000' BUT MUD WOULD NOT FALL OUT OF TBG. SH & WORKED PIPE EVERY 10 MIN. TO MAKE SURE WE WERE NOT CMENTED IN, 6 hrs AFTER WE SPOTTED OUR PLUG, WE TIH AND TAGGED CMT AT 4050'. LOOKS LIKE WE STRUNG OUR PLUG UP THE HOLE, CALLED NMOCD & BLM. THEY SAID WE NEED TO DRILL IT BACK OUT, DECIDED WE WOULD SET A CMT RETAINER @ 2450' & SQUEEZE OFF OUR PERFS AND OLD SQZ HOLES & THEN GO IN AND DRILL OUT, PULLED 6 MORE STANDS, SECURE LOCATION, SHUT DN OVERNIGHT.

4/23/04 BUILD BURM AROUND WELL HEAD w/DIRT TO CONTAIN MUD. TOH PULLING SLOW TO ALLOW SOME MUD TO FALL OUT OF TBG & HAVING TO USE A MUD BUCKET TO CATCH & LET FLW THRU HOSE INTO BURM. RU CMT RETAINER & TIH SLOWLY. TIH TO 2405 & SET RETAINER. PRES TST TBG TO 2000 PSI. HELD 5 MIN. GOOD TST.

4/24/04 MIXED & PMP'D 275 SXS CL G CMT w/.35% D65, .25% D167, .1% D46, @ 16.5 ppg, INTO WELL BORE TRYING TO CVR ALL PERFS & SQZ HOLES, HELD 500 psi ON BACKSIDE, PMP CMT @700 psi.

4/26/04 TOH w/TBG & JAR MUD OUT OF TBG. RETAINER & CMT w/WTR, KEEPING MUD FOR KILL FLUID, WASHED OUT RIG PIT & LOADED w/FRESH WTR. WASHED OUT ONE END OF BATCH MIXER THAT HAD MUD PUSH IN IT & LOADED w/100 bbls OF PRE MIXED MUD, SPOT IN FLOAT w/DRILL COLLARS, TALLY, CALIPER & PICKUP 8 – 3 1/8" DRILL COLLARS & 1 STAND TBG, CIRC GELLED MUD OUT OF HOLE TO EARTH PIT, RAN TBG; CIRC OUT MUD, PU PWR SWIVEL, CIRC MUD OUT OF HOLE, (30' ABOVE TOP OF CMT). CK PRES @ REVERSE CIRC, SHUT DN OVERNIGHT.

4/27/04 TBG & CSG 0 PSI. DRILL ON CMT RETAINER @2405'. DRILL CMT TO 2589'. LOST TURBO ON RIG. SD.

4/28/04 WK ON RIG MOTOR. DRILL 2589' - 2630'. CMT SOFT. 36' TO TOP PERF. DN for NITE.

4/29/04 DRILL CMT TO 2751'. SIGNS OF MUD IN CMT. SHUT IN TBG @ MANIFOLD ON PMP, PRES BUILT TO 950 psi IN 10 MIN. PMP'd INTO FORMATION @  $\frac{1}{2}$  BPM @1250 psi, PMP'd MUD DN BACKSIDE & TBG TO KILL WELL. TIH w/CMT RETAINER & SET @2598'. LEAVE STINGER STUNG INTO RETAINER, SD ON.

4/30/04 RU & PULL STINGER FROM RETAINER & CIRC MUD OUT w/WTR. GET AN ESTABLISHED RATE, 1 BPM @1250 psi, PUT 500 psi ON BACKSIDE, PMP'd 20 bbls WTR AHEAD DN TBG. CHEM WASH; PRES INCREASE ON BACKSIDE. PULL RETAINER; STUNG RETAINER, PRES TO 1500 psi. PULL STINGER UNTIL CIRC. PMP 2 bbls STING BACK INTO RETAINER. CON't w/CHEM WASH. PMP 5 bbls WTR BEHIND, MIX 5 bbls 10# CMT FOR SCRUBBER, MIX & PMP 150 SXS CL G CMT @15.8 DISPLACED 6 bbls of DISPLACEMENT; YIELD 1.150. SHUT DN & STAGE 4 TIMES, PMP ½ bbls & THEN WAITING 20 MIN. SQZ TO 2000 psi. PULL OUT OF RETAINER & REVERSE OUT. TOH. SHUT DN.

5/3/04 CSG 0 psi; TIH w/BIT; TAG @2496', RU PWR SWIVEL; BREAK CIRC w/WTR; DRILL 2' OF CMT & RETAINER, DRILLED HARD CMT TO 2681'. FLW BACK 1 BPM; PMP INTO FORMATION @1250 psi; ¼ BPM. PMP 30 bbls 16# MUD DN CSG & 10 DN TBG. WELL DEAD; TOH w/TBG. RU CMT RETAINER; WELL STARTED FLWNG; SHUT DN WAITING ON MORE MUD.

5/5/04 UNLOAD MUD INTO BATCH MIXER. CONDITION MUD TO 16.1#, PMP 35 bbls TO KILL WELL. TIH w/CMT RETAINER & SET @2600'. CIRC 28 bbls MUD BACK TO BATCH MIXER. RU CMT TRUCK. TIH w/PKR & SET @2574' & TST RETAINER TO 1000 PSI, HELD 5 MIN. HELD GOOD, NO LOSS, PRES UP ON BACKSIDE & COULD PMP INTO SQZ HOLE @2510' @ 1050 psi. TIH w/CMT RETAINER & SET @2475'. SECURE WELL. SD ON.

5/6/04 RU & CIRC MUD OUT; RU & ESTABLISHED RATE @1300 psi @1 BPM; PMP 10 bbls WTR; 10 bbls CHEM WASH; MIXED 50 SXS CL C CMT w/2% C.C., DENSITY 14.8 ppg; YIELD 1.300 CUFT/SK. PMP'd 9 bbls WTR BEHIND, PRES @1500 psi; PULL OUT OF RET & REVERCED HOLE; TOH. SD ON.

5/7/04 CSG 0 psi. TIH TAG CMT @2495'. DRUKK CNT RETAUBER; DRILL CMT TO 2553', TIH & TAG CMT RETAINER @2600'; CIRC CLEAN, SD & CHECK FOR FLW. VERY SLIGHT FLW. PULL ABOVE SQZ HOLE, MIX 90 bbls OF 16# DRILLING MUD, SD.

5/8/04 CIRC DRILLING MUD IN BATCH MIXER & IN MUD MIXING PIT. SHUT DN.

5/10/04 LOAD RIG PIT w/WTR; CSG 900 psi, TBG 900 psi, FLW WELL DN TO FLAIR PIT, TIH TAG @2590; DRILL CMT & REATINER; WORKED RETAINER DN TO 2681'. (top Chacra is 2660' to 2663') CIRC TO CLEAN UP. FLW @6 bbls PER HR. PULL TBG ABOVE TOP SQZ HOLE AT 2551'. SD ON.

5/11/04 CSG & TBG 0 psi. TIH w/CMT RETAINER & SET @2475', LOAD & TST TBG TO 1500 psi, RU CMT TRUCKS, PMP 20 bbls FRESH WTR, 15 bbls CALCIUM WTR, 5 bbls FRESH WTR, 50 SXS CL G CMT NEAT, MIXED 50 SXS OF 3% C.C. CL G CMT & PRES WAS @1650 psi @1 BPM, SHUT OFF MIXING CMT & SLOWED PMP RATE TO ½ BPM, PRES DROPPED TO 1350 psi, PMP 1 bbl & PRES WAS 1650 PSI, SLOWED TO ½ BPM, PSI WAS 1450, WENT TO 1650. SHUT DN PMP for 3 min, PRES TO 1750 PSI. REVERSED 9 bbls CMT TO PIT, Rig DN. TOH w/STINGER, TIH w/BIT & COLLARS. SD ON.

5/12/04 TIH & TAG RETAINER @2475', BREAK CIRC w/WTR, CIRC CMT TO TOP OF RETAINER OUT OF HOLE IN LIQUID FORM, DRILL RETAINER, STARTED DRILLING CMT AT RATE OF 4 MIN A JOINT, CIRC HOLE CLEAN, SD TILL MORNING.

5/13/04 TIH & TAG CMT @2506'. DRILL CMT THRU PERFS @2660' – 2663'. SHUT DN & HAD A 1 BPM FLW, DRILL CMT TO 2690'. DRILL ON REMAINING CMT RETAINER. CIRC HOLE CLEAN. TOH w/TBG. TIH, LEAVE TBG ABOVE PERFS. SD ON.

5/14/04 TBG & CSG 920 PSI EACH. FLW WELL DN TO EARTH PIT, TIH & TAG CMT @2690'. BREAK CIRC w/WTR; DRILLED ON PIECES OF LAST RETAINER & CMT TO 2745'. BTM PERFS 2760' – 2781', ENCOUNTERED FULL WTR FLW, TURNED TO EARTH PIT & FLW'd WELL 30 MIN w/ NO SHOW OF H2S. RU & FLW TO FLW TNK. H2S MONITOR ON TOP GRATE OF TANK

& OPENED WELL TO FLW, DETERMINED FLW RATE @65 bbls p/h THRU7 1 – 2" LINE. STARTED GETTING H2S READINGS. SHUT WELL IN & PMP'd 40 bbls OF MUD TO KILL WELL. TOH w/TBG. TIH w/CMT RETAINER & SET @2475'. PULL OUT OF RETAINER & CIRC 35 bbls MUD TO MUD PIT. SWITCH TO EARTH PIT & PMP TO CLEAN UP MUD. STING BACK INTO RETAINER, SECURE WELL, SHUT DN ON.

5/15/04 RU CMT CREW. MIX & PMP 100 SXS CL G CMT w/3% C.C. @16 PPG; YIELD 1.180 CUFT/SK. PMP @650 psi UNTIL HAD 2 ½ bbls LEFT IN TBG. SHUT DN & PMP ½ bbl, PRES UP TO 850 psi, SHUT DN. PULL OUT OF RETAINER & ATTEMPT TO REVERSE OUT, WENT TO 2000 psi; COULD NOT MOVE CMT, Rig DN CMTers & TOH & LAY DN CMTed UP TBG. SHUT DN for weekend.

**5/17/04** CSG 0 PSI, TIH w/BIT & TAG RETAINER @2474', Rig UP PWR SWIVEL, BREAK CIRC w/WTR, DRILL ON RETAINER FOR 4 hrs> DRILLED CMT TO 2645' & CIRC HOLE CLEAN. SD ON.

5/18/04 CSG & TBG 0 psi EACH. TIH & TAG CMT TO 2645'. DRILLED CMT TO 2750', & FELL OUT FOR 15' TAGED @2765' & DRILLED STRINGERS; RATTY CMT TO 2785'. STARTED SEEING FLW TO RIG PIT, TURN FLW TO EARTH PIT. EST FLW @600 BPH; CLOSE CSG VALVE, PMP 40 bbls MUD TO KILL WELL. RD PWR SWIVEL. TOH w/TBG, TIH w/TBG & CMT RETAINER & SET @2444'. PULL OUT OF RETAINER & CIRC MUD BACK TO MUD PIT, STING BACK INTO RETAINER, SD ON.

5/19/04 RU & WASH OUT BOTH ENDS OF BATCH MIXER TO PREPAIR TO MIX DIESEL CMT. SHUT DN OVERNIGHT.

5/20/04 RU CMT CREW & EQUIPMENT. W/O DIESEL. PUT DIESEL IN BATCH MIXER & MIX w/CMT TO WEIGHT, MIX & PMP 300 SXS OF WASTE CMT AHEAD FOR SPACER @3 BPM @1250 psi, 5 bbls of DIESEL, 25 bbls OF DIESEL CMT, WHILE PMPing PRESURE WENT TO 1500 psi & RATE WAS 1 ½ BPM. (wtr valve was opened & pmp truck got cmted up) SHUT DN OVER NITE.

5/21/04 WORK ON RIG SHUT DN for Weekend.

5/23/04 CIRC DRILL MUD IN MUD PITS.

5/24/04 TIH w/BIT; TAG RETAINER @2445'. RU PWR SWIVEL; DRILL ON RETAINER & IT TURNED LOOSE & STARTED DN HOLE, WENT 10' & TAGGED; DRILL RATTY CMT FOR 20' & FELL THRU, TIH w/TBG TO 2690' & TAGGED; RU & START CIRC; CMT PLUGGED TP TBG. RD SWIVEL. TOH w/TBG. TIH & TAG CMT; RU PWR SWIVEL, BREAK CIRC w/WTR, DRILL CMT STRINGERS & FELL THRU, WASH DN JOINT w/DIESEL CMT TO 2778'. CHACRA PERFS @2660' – 2681'. CIRC HOLE CLEAN. NO FLW; PULL 40' UP HOLE. SHUT DN.

**5/25/04** CSG 950 psi, BLW DN. C/O TO 2878'. KILL WELL. TIH w/CMT RETAINER; TAG 2690'. TIH w/SCRAPER; TIH TO 2900'. TIH SET CMT RETAINER @2820'. LOAD BACKSIDE w/MUD & PRES TO 100 psi. RU & PMP 150 SXS CL G 3% C.C CMT. DENSITY 15.90; YIELD 1.180 CUFT/SK. RD.

5/26/04 TOH w/TBG; CIRC MUD OUT w/WTR. CIRC MUD; OPEN TO EARTH PIT; SHUT WELL IN OVERNIGHT.

5/28/04 PMP MUD DN TBG & CSG; KILL WELL. TIH w/CMT RETAINER TO 2442'. CIRC 30 bbls MUD TO TANK. RU & PMP 100 SXS CL G CMT w/3% C.C. IN MIX WTR; DENSITY 16.00 ppg; YIELD 1.180 CUFT/SK. RATE @1250 psi; PERFS SQZ w/60 SXS IN WELL TO 1450 psi; REV OUT CMT TO EARTH PIT. RD CMT.

5/29/04 CIRC DRILLING MUD IN MUD PITS.

6/1/04 TIH TAG RET @2442'. CIRC CLEAN.

6/2/04 TIH & DRILL CMT TO 2680'. NO FLW. SHUT DN.

6/3/04 TIH & DRILL CMT TO 2770'. 30 BPH FLW. 950 PSI. KILL WELL w/MUD. SHUT DN ONVERNIGHT.

6/4/04 CSG 100 psi; MUD TO KILL WELL. TIH & TAG @2770'. TIH & SET CMT RETAINER @2455'. CIRC DRILL MUD BACK TO TNK. SD.

6/5/04 RU & CMT w/150 SXS CL H CMT w/3% C.C. IN MIXING WTR; DENSITY 15.80 ppg; YIELD 1.150 CUFT/SK. PMP 4 bbls OF DISPLACEMENT BEHIND @2 BPM @700 psi. PULL OUT OF RETAINER & REVERSED OUT CMT. TO PIT. RIG DN.

6/7/04 TOH w/TBG; TIH & MILL ON RET @2455' & DRILL TO 2480'. CIRC CLEAN. SD ON.

6/8/04 TIH & DRILL CMT TO 2710'. SHUT DN.

6/9/04 GATHERED INFO ABOUT DETECTED WTR FLW & DELIVERED TO NMOCD & BLM.

6/10/04 STATE & BLM AGREED BP HAD TRIED ALL OPTIONS; WOULD ALLOW BP TO PLUG THE WELL FROM 2450' UP. CSG 950 psi. BLW DN TO EARTH PIT. TIH w/CMT RETAINER; CMT CUTTINGS COMING INTO WELLBORE w/WTR FLW. RU & PMP MUD TO KILL WELL. TIH & SET RETAINER @2450'. CIRC DRILL MUD TO PIT. DHUT DN ON.

6/11/04 RU & CMT 100 SXS CL H CMT w/3% C.C.; DENSITY 15.80 ppg; YIELD 1.150 CUFT/SK. @1250 psi. PRESSURE BACK UP TO 1700 psi. HELD GOOD. REVERSE OUT 9 bbls CMT. TIH & RUN CBL FROM 1850' TO 275'. FOUND TOP OF CMT @1140'.

6/14/04 TIH & PMP 33 SXS CL C CMT; DENSITY 14.50 ppg; YIELD 1.390 CUFT/SK; 1940' – 2442'. MIX & PMP 2<sup>rd</sup> PLG 33 SXS CL C CMT 1440' – 1940'. 3<sup>rd</sup> PLUG MIX & PMP 23 sxs CL C CMT 1100' – 1440'. AND DISPLACE. REVERSE HOLE CLEAN. TOH. RU & SHOOT 2 SQUEEZE HOLES @1080'. RD; PMP DN CSG w/BJ TRUCK @700 psi @ 1 1/2BPM FOR 40 bbls; WOULD NOT CIRC.

6/15/04 TIH w/CMT RETAINER & SET @1050'. RU & CMT w/100 SXS + 30 SXS of CL C CMT w/2% C.C. @ 750 psi @ 1.5 BPM; DENSITY 14.50 ppg; YIELD 1.390 CUFT/SK 1080' - 600' W/O CMT. RU & RUN TEMP SURVEY; FOUND TOP OF CMT @700'. TIH & SHOOT 2 SHOTS @590'. RU & PMP ON HOLES TO CIRC TO SURFACE. WOULDN'T CIRC. TIH w/ TBG TO 1050'. MIX & PMP CMT PLUG BACK TO 600'. TOH TO 600' & REVERSE OUT. SD ON.

6/16/04 TIH & SET CMT RETAINER @547'. RU & PMP 100 SXS CL C CMT@ 590'; DENSITY 14.50 ppg; YIELD 1.390 CUFT/SK. @925 psi @105 BPM. W/O CMT; RU & RUN TEMP SURVEY; CMT @400'. TIH & SHOOT 2 SQZ HOLES @390'. TIH & SET RETAINER @380'. PMP 37 SXS CL C CMT w/2% C.C. @920 psi @ 1.5 BPM. RAN TEMP SURVEY FOUND NO CMT ABOVE RETAINER. SHUT DN OVERNIGHT.

6/18/04 TIH TO CMT RETAINER @380'. CMT w/20 sxs CL C CMT 260' – 380'; DENSITY 14.50 ppg; YIELD 1.390 CUFT/SK. TIH w/WIRELINE & SHOOT 2 SQZ HOLES @255'. TOH; RU CMT TRUCK TO CSG & PMP TO CIRC TO SURFACE. COULD PMP @150 psi @ 2 BPM, RD WL. MIX & PMP 70 SXS CL C CMT @14.5 ppg; YIELD 1.390 CUFT/SK. AND CIRC TO SURFACE. RD CMT TRUCK. ND BOP's. ND WELL HEAD. WELDER CUT OFF SURFACE CSG HEAD & WELD ON DRY HOLE MARKER.

6/21/04 RIG DOWN UNIT & CLEAN LOCATION. RELEASE RIG.