Form 3160-3

FORM APPROVED

	(August 1999)		UNITE DEPARTMENT SUREAU OF LAI				5. Lease	OMB No. 1 Expires Noven		
		Ь	ORCAO OF LA	IID IMMIAGEN	.13141	- C - C - C - C - C - C - C - C - C - C		M - 012200		
		APPLICAT	ION FOR PERI	MIT TO DRILL	OR REE	WER 20 (12)	6. If Indi	an, Allottee or Tril	be Name	
	la. Type of Work:	☑ DRILL	REENTER		THE C	JAN 2005	62	t or CA Agreemen		and No.
	lb. Type of Well:	Oil Well		Other	□\Single 2	Zone Multiple Zo	DRYE	Name and Well No DEN 1M	0.	
		tor A PRODUCTI	ON COMPANY	ntact: MARY COR E-Mail: corleym	l@bp.com) LEY			0045	324	174
	3a. Address P.O. BOX 309 HOUSTON, T.			3b. Phone N Ph: 281.3 Fx: 281.3	66.4491	1000 PE 1		and Pool, or Explo N DAKOTA/BL		MESAVER
	4. Location of We	II (Report loca	tion clearly and in ac	ccordance with any	tate require	ments.*)	11. Sec.,	T., R., M., or Blk.	and Sur	vey or Area
	At surface At proposed p		E Lot O 815FSL	2470FEL 36.376	00 N Lat,	107.41100 W Lon	O Sec 2	28 T28N R8W I	Mer NM	IP
)			from nearest town or	nost office*			12 Cour	nty or Parish	_T	13. State
	21 MILES FF	ROM BLOOM	FIELD, NEW MEX	KICO				JUAN		NM
	15. Distance from	proposed locatio	n to nearest property	or 16. No. of A	cres in Leas	е	17. Spac	ing Unit dedicated	to this w	rell
	lease line, π. (815	Also to nearest d	lrig. unit line, if any)	320.00			320.0	10 5/1		
	18. Distance from	proposed location	n to nearest well, dril	ling, 19. Proposed	Depth		20. BLM	/BIA Bond No. on	file	
	1850	phot ioi, on this	rouse, re.	6671 M	D		WY2	924		
	21. Elevations (Sh	ow whether DF,	KB, RT, GL, etc.	22. Approxi	mate date wo	ork will start		nated duration		
	5788 GL			09/15/2	J04 		7 DA	YS	· · · · · · · · · · · · · · · · · · ·	
				2	24. Attach	ments				
	The following, comp	oleted in accordar	nce with the requirem	ents of Onshore Oil	and Gas Ord	ler No. 1, shall be attache	d to this form:			
	 Well plat certified A Drilling Plan. A Surface Use Pla SUPO shall be 	an (if the location	•		5	Bond to cover the ope Item 20 above). Operator certification Such other site specification authorized officer.		·	Ū	`
	25. Signature (Electronic S	ubmission)		Name (Printe MARY C					Date 07/2	21/2004
	_ /	D REPRESE	NTATIVE			···	i			
	Approved by Sign	Marke	200	Name (Printe	d/Typed)				Date	20.05
	Title	AFM		Office	TFO					

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

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.

Additional Operator Remarks (see next page)

Electronic Submission #33345 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

District II
PO Dox 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

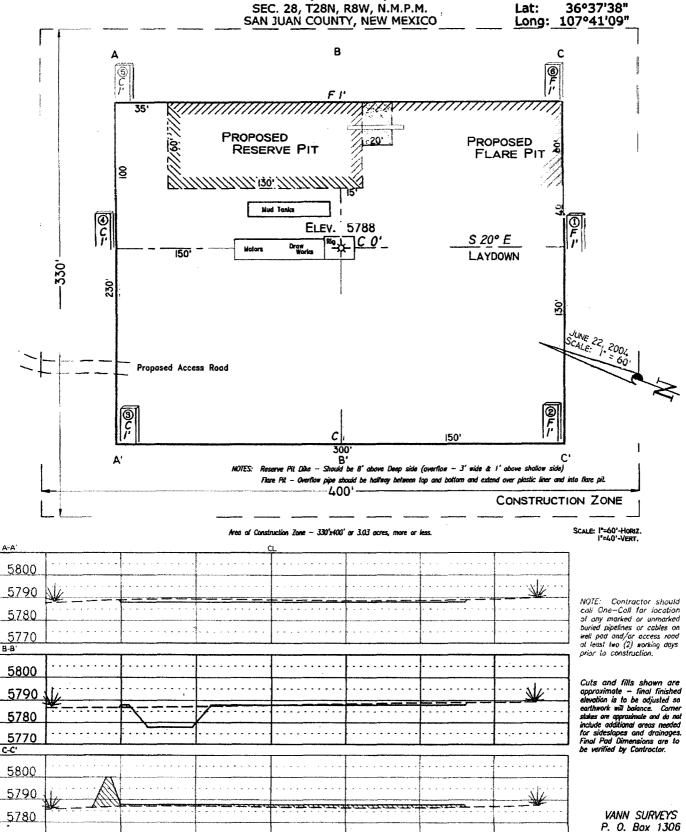
AMENDED REPORT

		33.77	71 I O	3 A 1717(A).	AND ACDY	A OF DEDYO	A 0000 C		· m		ENDED RE	ı OKI
	'AFI Number	we		Pool Code		EAGE DEDIC	ATIC	Pool P				
30-0K	30-045-32474 71599 5 72319 BASIN DAKOTA S BLANCO HESAVERDE											
• Property	Property Code Property Name Weil Number											
00043	3/	I	Oryden								# 1M	
1 OCRID	No.	T	DD ABAT		Operator:		NTX7			•	Elevation E700	
00077	18		or Aivir	LRICA	¹⁰ Surface L	ION COMPA	FTA I				5788	
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet	from the	East/West 1	ine	County	
0	28	28 N	8 W		815	SOUTH		470	EAS	ST	SAN JI	UAN
	1			om Hole	<u></u>	Different From	<u> </u>					
7 UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet	from the	East/West	line	County	
									<u> </u>	·		
Dedicated Acre	¹³ Join	t or Infill 14	Consolidation	Code 15	Order No.	,					•	
	 WABLE \	WILL BE	ASSIGNE	D TO TH	IS COMPLETIC	ON UNTIL ALL I	NTER	ESTS H	AVE BEE	N CO	NSOLIDA'	TED
						EN APPROVED						
16				5285(R)				17OPE	RATOR	CER'	TIFICAT	ION
											tion contained i my knowledge ai	
								4 00 220 00	anjace w and	<i>-</i>	my showledge m	La Lener.
					27 18 19 20	773			,			
					6611			16	1 / /	1.		
	**************************************			1 4	JAN.			Signature	any a	slli	<i>y</i>	
			•	100	02	05		Signature	MRY (OR S	εY	
					Danie 1			Printed N	arna		1.	
						V. S	į	Title	Enuce	tron	4/tNAC	137
				À	0	R. C.		Date Date	21:200	24		
					345	DRYDEN LS	ا ننا		VEVOR	CED	TIFICAT	TON
S				28-		30.045.265	20 E	i hereby o	ertify that the	well loca	ation shown on i	this plat
						30.045.2	5566	or under	my supervision	, and the	lual surveys mad at the same is i	
			D	LYDEN / DK/N	Ņ	DRYDEN DRYDEN		correct to	the best of n			
	•		•	DK/N	1√ .	3 . DK		Date of S	June	<u>22, 2</u>	004	
							5		and Seal of P	rofessio	nal Surveyor	
							1		OY D.	Va	•	
DRYDEN	1251								CARY D	VAN		l
30.045 MV	0 1010	1190 مر	1					A A	14/1		18/	
,	30.0	45.1188. EN #1	r	•	2	470' ———	1	THE SECOND	(70)	16	》	
ł	DK			l in		1		13/			/\$ 	·
	-			815			1	7016	Compage H			٠
				528002)				Certificate	William H	MAL Y	<i></i>	

(R) - GLO Record

PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Dryden #1M 815' F/SL 2470' F/EL SEC. 28, T28N, R8W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO



.

Farmington, NM

.

5770

BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Lease: Dryden

Aztec 184

Well Name & No. Dryden 1M

Field:

Blanco Mesaverde/Basin Dakota

Minerals: State

Rig:

County: San Juan, New Mexico

Location: 28-28N-8W:815' FSL, 2470' FEL

BHLOC: Vertical

Surface: Lat: 36.6272281 deg; Long: -107.6851447 deg

OBJECTIVE:		Drill 250' bel	ow the top of th	e Two Wells Mbi	, set 4-1/2" pro	duction ca	asing,	Stimulate DKO	T & PNLK (MEN	F)
	M	ETHOD OF DRI	LLING		A	PPROXIM	ATE	DEPTHS OF GI	OLOGICAL MA	RKER
TYPE	OF TOOLS	3	DEPTH OF D	DRILLING	Actual	GL: 62	262'	Est	imated KB: 6,27	6.0'
	Rotary		0 - T	D	Marker		Ì	SUBSEA	TVD	APPROX. MD
		LOG PROGRA	AM		Ojo Alamo			4607'	1184'	1184'
Туре	•		Depth Interva	I	Kirtland		l	4708'	1323'	1323'
Single I	Run				Fruitland		*	4166'	1625'	1625'
					Fruitland Coa		*	3878'	1913'	1913'
					Pictured Cliffs	3	*	3687'	2104'	2104'
					Lewis		*	3523'	2268'	2268'
Cased F					Cliff House		#	2137'	3654'	3654'
TDT- C	BL		TD to 7" shoe		Menefee		#	1984'	3807'	3807'
		Iden	tify 4 1/2" cemer	it top	Point Lookout	Ì	#	1442'	4349'	4349'
REMARKS:					Mancos			1067'	4724'	4724'
- Please report	any flares (i	magnitude & dura	ation).		Greenhorn			-526'	6317'	6317'
					Graneros (be	nt,mkr)		-593'	6384'	6384'
					Two Wells		#	-630'	6421'	6421'
					Paguate		#	-723'	6514'	6514'
					Cubero L. Cubero		#	-766'	6557'	6557'
					1		#	-798'	6589'	6589'
					Encinal Cyn	DTU	#	-854' -880'	6645' 6,671'	6645'
					# Probable of		inton		* Possible	6,671'
SPECIAL TEST	rs					CUTTING			DRILLING	
TYPE									DEPTH	
None					1			Geolograph	0 - TD	
REMARKS:								<u> </u>		
				MUD P	ROGRAM:					
Approx.	T	Weight		t-	W/L cc's			O4h S		
Interval 200'	Type□M	ud #/gal 8.8 - 9.0		is, ⊏sec/qt ent to clean hole.	/30 min			Otner Sp	ecification	
200 2400'	Spud Water/LS			ent to clean note.	<9	c,	woon l	and while while	water drilling, LC	M. onoite
6,671'	Air	1		ofm for hammer	\9		•		in a stable and cl	
0,071	I All		1000 (PROGRAM:	Volun	ie sui	ilcient to mainta	ir a stable and Cr	call Wellbule
Casing □\$	String	Depth	Size	CASING CASING	Grade, Thre	ad We	ight	Landing Po	int	Cement
Surface/Conduc		200'	13 1/2"	9-5/8"	H-40 ST&0		2#			to surface
Intermediate 1		2400'	8-3/4"	7"	J/K-55 ST8	1)#	100' below L\	i i	to surface
Production	İ	6671'	6-1/4"	4-1/2"	J-55	ľ	.6#	DKOT		e Intermediate -
	\	33	0 1/1	1 ""		1 '''	.5"	J.(J)	1	rvey required
CORING PROC	ORING PROGRAM:									
None	lone									
COMPLETION	PROGRAM:									
Rigless, 2-3 Sta	ge Limited E	Entry Hydraulic F	rac, FMC Unih	ead						
GENERAL REM	ARKS:									
Notify BLM/NM	OCD 24 hou	rs prior to Spud,	BOP testing, ar	nd Casing and Ce	ementing.					
BOP Pressure	Tostina Por	nuiromonte								

BOP Pressure Testing Requirements

Formation	Depth	Anticipated bottom hole pressure	Max anticipated surface pressure**
Cliffhouse	3645'	500	0
Point Lookout	4349'	600	0
Dakota	6421'	2600	1080

** Note: Determined using the following formula: ABHP - (.22*TVD) = ASP Requested BOP Pressure Test Exception = 1500 psi Form 46 Reviewed by: Logging program reviewed by:

PREPARED B	Y:	APPROVED:	DATE:	APPROVED:	DATE:
HGJ	JMP		2-Jun-04		
Form 46 7-84b	w	For Drilling Dept.		For Production Dept.	

CASING AND CEMENTING PROGRAM

Casing Program:

			Casing Prop	erties: (No Safe	ty Factor Includ	led)		
Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs)	Capacity (bbl/ft.)	Drift in.
Surface	9.625	32	H-40	3370 2270	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	29 234	0.0405	6.456
Production -	4.5	11.6	J-55	5350	4960	154	0.0155	3.875

Mud Program

Apx. Interval (ft)	Mud Type	Mud Weight
0 - SCP	Water/Spud	8.6-9.2
SCP - ICP	Water/LSND	8.6-9.2
ICP - ICP2	Gas/Air Mist	NA
ICP2 - TD	LSND	8.6 - 9.2

Recommended Mud Properties Prio Cementin					
PV	<20				
ΥP	<10				
Fluid Loss	<15				
·					

Cementing Program:

	Surface	Intermediate	Production
Excess %, Lead	100	75	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	75	128	190
Special Instructions	1,6,7	1,6,8	2,4,6

- 1. Do not wash pumps and lines.
- 2. Wash pumps and lines.
- 3. Reverse out
- 4. Run Blend Test on Cement
- 5. Record Rate, Pressure, and Density on 3.5" disk
- 6. Confirm densitometer with pressurized mud scales
- 7. 1" cement to surface if cement is not circulated.
- 8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing

Notes:

*Do not wash up on top of plug. Wash lines before displacing production cement job to minmize drillout.

Surface:

Preflush		20 bbl.		FreshWater
Slurry 1.	100	sx Class C Cen	nent	125 cuft
TOC@Surface	+ 29	6 CaCl2 (accelera	ator)	
				0.3132 cuft/ft OH

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	15.2	1.27	5.8

Casing Equipment: 9-5/8", 8R, ST&	C
1 Guide Shoe	
1 Top Wooden Plug	
1 Autofill insert float valve	
Centralizers, 1 per joint except to	op joint
1 Stop Ring	
1 Thread Lock Compound	

Intermediate:

Fresh Water			20 bbl	fresh v	water	
Lead	190	sx Class "G" Cement 482 cuft			2 cuft	
Slurry 1		+ 3%	D79 extender			
TOC@S	TOC@Surface + 2% S1 Calcium Chloride					
		+1/4	#/sk. Cellophane Flak	æ		
		+ 0.1	% D46 antifoam'			
Tail 60		sx 50	/50 Class "G"/Poz	75 cuft		
Slurry 2		+ 2%	gel (extender)			
500 ft fill		0.1%	D46 antifoam	0.1503	cuft/ft OH	
		+1/4	#/sk. Cellophane Flak	0.1746	cuft/ft csg anr	
		+ 2%	CaCl2 (accelerator)			

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	11.4	2.61	17.77
Slurry 2	13.5	1.27	5.72

Casing Equipment:	7", 8R, ST&C
1 Float Shoe (auto	ofill with minimal LCM in mud)
1 Float Collar (aut	ofill with minimal LCM in mud)
1 Stop Ring	
14 Centralizers (on	e in middle of first joint, then every third collar

- Pluidmaster vane centalizers @ base of Ojo
 Top Rubber Plug
- 1 Thread Lock Compound

CASING AND CEMENTING PROGRAM PAGE 2

Production:

Fresh	Water		10 bbl	С	W100]
Lead	170) LiteC	rete D961 / D124	/ D154	406	cuft
Slurry 1		+ 0.0	3 gps D47 antifo	am		
TOC, 100' above 7" shoe		+ 0.5	+ 0.5% D112 fluid loss			
		+ 0.1	1% D65 TIC			
Tail	150) sx 50)/50 Class "G"/Po	z	212	cuft
Slurry 2		+ 5%	D20 gel (extend	er)	+ 5 #/sk D2	4 gilsonite
1476 ft fill		+ 0.1	% D46 antifoam		+ 0.15% D65 TIC	
		+ 1/4	#/sk. Cellophane	Flake	+ 0.1% D80	0 retarder
		+ 0.2	5% D167 Fluid L	oss		

Casing Equipment:	4-1/2", 8R, ST&C			
1 Float Shoe (autofill with minimal LCM in mud)				
1 Float Collar (aut	ofill with minimal LCM in mud)			
1 Stop Ring				
Centralizers, ev	ery 4th joint in mud drilled holes,			
-none in air drilled holes.				
1 Top Rubber Plu	g			
1 Thread Lock Co	mpound			

Slurry Properties:	Density	(lb/gal) Yield (ft3/sk)	Water	(gal/sk)
Slurry 1	9.5	2.5	6.4	
Slurry 2	13	1.4	6.5	

0.1 cuft/ft csg ann
Top of Mancos ###

FEDERAL CEMENTING REQUIREMENTS

- isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
- 2. The hole size will be no smaller than 1 ½" larger diameter than the casing O.D. across all water zones.
- 3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
- 4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through zone.
- 6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

SAN JUAN BASIN Dakota Formation Pressure Control Equipment

Background

The objective Dakota formation maximum surface pressure is anticipated to be less than 1000 psi, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 psi. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 psi system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 psi rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth in the Basin Dakota. No abnormal temperature, pressure, or H2S anticipated.

Equipment Specification

Interval

BOP Equipmen

Below conductor casing to total depth

11" nominal or 7 1/16",3000 psi double ram preventer with rotating head

All ram type preventers and related control equipment will be hydraulically tested to 250 psi (low pressure) and 2000 psi (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure.

BP America Production Company



