RCVD MAR22'07 OIL CONS. DIV.

UNITED STATE DEPARTMENT OF THE	FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000						
BUREAU OF LAND MAN APPLICATION FOR PERMIT TO I	5, Lease Serial No. SF-078566						
		REENEZPE DIC 20 P	1 2	6. If Indian, Allottee or tribe	Name		
la. Type of Work: DRILL	REENTER	210 FALL	· ·	7. If Unit or CA Agreement,	Name and No		
lb. Type of Well: Oil Well Gas Well Gas Othe	r	Single Zone Multiple Zo	one	8. Lease Name and Well No STOREY D 1N			
2. Name of Operator				9. API Well No.			
BP AMERICA PRODUCTION COMPANY				30-045-3	54126		
3a. Address	3b. Phone	e No. (include area code)		10. Field and Pool, or Exploratory			
P.O. BOX 3092 HOUSTON, TX 77079-2064	281-366			Basin Dakota & Bla	nco Mesaverde		
4. Loction of Well (Report location clearly and in accordant	ice with any	State requirements.*)		11. Sec., T., R., M., or Blk, and survey or Area			
At surface 1080' FSL & 2505' FEL SWSE				SECTION 26 T28N & R08W			
At proposed prod. Zone SAME				,			
14. Distance in miles and direction from nearest town or post	office*			12. County or Parish	13. State		
28.1 MILES SOUTHEAST FROM AZTE	C, NM			SAN JUAN	, NEW MEXICO		
15. Distance from proposed* Location to nearest		16. No. of Acres in lease	17.	Spacing Unit dedicated to this v	vell		
Property or lease line, ft.		320.18	320	~/^			
(Also to nearest drig. Ujnit line, if any) 1080'			3	320 7			
18. Distance from proposed location* to nearest well, drilling, completed,		19. Proposed Depth	20.	BLM/BIA Bond No. on file			
applied for, on this lease, ft.		7195' MD	WY	72924			
21. Elevations (show whether DF, KDB., RT, GL, etc.		22. Approximate date work w	vill star	art* 23. Estimated duration			
6107' GL		05/08/07		7 DAYS			
		24. Attachments					
The following, completed in accordance with the requirements	of Onshore (Oil and Gas Order No. 1, shall be	attache	ed to this form:			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National for SUPO shall be filed with the appropriate Forest Service O 		20 above). 5. Operator certi	ificatio	ecific information and/or plans	•		
25. / Signature	Name (Prin	• •		Date			
JUNIO Tuelo	Kristin	a Hurts		12/19/06			
Title							
Regulatory Analyst					<i>/</i>		
O)/Markealing	e (Printed/T)	vped)		Date 3/19/1	<u>、</u> そ		
Title Office	e	<u></u>					

*(Instructions on reverse)

Conditions of approval, if any, are attached.

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Operations thereon.

NOTIFY AZTEC OCD 14hVS IN TIME TO WITNESS 659 Scementing

NMOCD

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

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

District 5 PO Box 1980, Hobbs NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994

Submit to Appropriate District Office

Instructions on back

PO Drawer KK, Artesia, NM 87211-0719 District III

OIL CONSERVATION DIVISION Subm PO Box 2088 Santa Fe, NM 87504-2088

State Lease - 4 Copies Fee Lease - 3 Copies

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

District II

PO Box 2088 Santa Fe. NM 87504-2099

ord ron on PM 9: 21

A MENDED REPORT

PO Box 2088, Sai	na PC, INIVI 8	3/304-2088	الدينية الدينية) L ub 47	a the Zel da t	1.	9.1.	L.,	AM	ENDED KEPOK I
		WE	ELL LO	CATION	AND ACRI	EAGE DEDIC	ATION PLA	λT		. /
	API Number	· · · · · · · · · · · · · · · · · · ·	21	Pool Code	2		Pool N	Name		11
30-049	5-34	126	1150	19212	319 1	bsin 1)a	kota ?	15 lan	20	///LSakerd
Property	Code				5 Property	Name				* Well Number
00114	1	<u> </u>	Storey I)						# 1N
OGRID	No.	_			* Operator				:	Elevation
778	5	<u> </u>	BP AM	ERICA		ION COMPA	NY			6107
					¹⁰ Surface L		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West		County
0	26	28 N	8 W		1080	SOUTH	2505	EAS	ST	SAN JUAN
			" Bott	om Hole	Location If	Different From	n Surface			
' UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	,	County
								RCVD	·	
Dedicated Acre		nt or Infill	Consolidatio	on Code 13	Order No.				IONS.	
320.18									IST.	
NO ALLO	WABLE			•		ON UNTIL ALL			EN CC	ONSOLIDATED
		OR A	NON-ST		UNIT HAS BI	EEN APPROVED				
16				5269(R)			l¹'OPE	RATOR	CER	TIFICATION
						į				ation contained herein is my knowledge and belief.
							li de ano ci	ompiete to the	ucsi oi	my knowledge and benefit
								,		
										./ 1
							Vije	Line.	_ ر	Hunt
 		 					Signature		4	y ucc
							KRIS	STINA	40	ets_
						į	Printed N	lame ا معلم ا	1 /	nelilat
							Title	DIGHTORY	-	ings!
!							<u> </u>	2-19	1-0	0
							Date	1/171/05	OFF	
<u> </u>	~~~			96~						CTIFICATION calion shown on this plat
28(₩ Û						ctual surveys made by me

November 30, 2006 Date of Survey Signature and Seal of Professional Surveyor 7016 Certificate Number

correct to the best of my belief.

or under my supervision, and that the same is true and

(R) - GLO Record

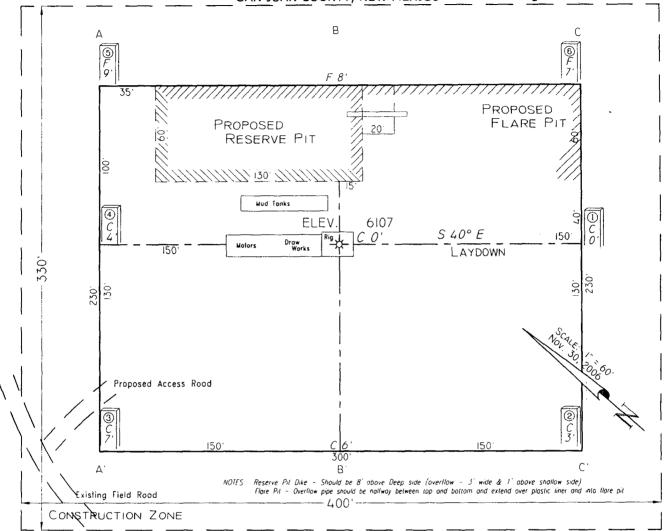
2505' ---

Submit 3 Copies To Appropriate District Office	State of New		Form C-103
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and	Natural Resources	May 27, 2004 WELL API NO. 30-045-34124
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	ON DIVISION	New Well 5. Indicate Type of Lease
District III	1220 South St.	Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NI	A 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			
	CES AND REPORTS ON WE	ELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSED DIFFERENT RESERVOIR. USE "APPLICATION OF THE PROPOSED OF T			STOREY D
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well 🛛 Other 🗌		8. Well Number
2. Name of Operator			9. OGRID Number
BP AMERICA PRODUCTION O	COMPANY		000778
3. Address of Operator	55050 20 <i>(</i>)		10. Pool name or Wildcat
P.O. BOX 3092 HOUSTON, TX	77079-2064		Basin Dakota & Blanco Mesaverde
4. Well Location Unit Letter O:	1080 feet from the SQL	TH ' line and	2505 feet from the EAST line
Section 26	Township 28N	Range 08W	NMPM SAN JUAN County
	11. Elevation (Show whether		
		6107'	
Pit or Below-grade Tank Application 🛛 o			>200
1			Distance from nearest surface water <u>\$1000'</u>
	Selow-Grade Tank: Volume		oction Material
12. Check A	Appropriate Box to Indica	te Nature of Notice	, Report or Other Data
NOTICE OF IN	TENTION TO:	Sul	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WO	<u> </u>
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DE	RILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEI	NT JOB
OTHER: LINED DRILLING PI	Г	OTHER:	
13. Describe proposed or comp	leted operations. (Clearly stat	e all pertinent details, a	nd give pertinent dates, including estimated date
of starting any proposed we or recompletion.	ork). SEE RULE 1103. For M	ultiple Completions: A	Attach wellbore diagram of proposed completion
•			
	_		g/ Workover Pit Construction Plan
issued date of 11/17/2004. Pi	t will be closed accordir	ig to closure plan	on file.
			ge and belief. I further certify that any pit or below- ☐ or an (attached) alternative OCD-approved plan ☐.
grade tank has been will be constructed or	closed according to NMOCD guide		
SIGNATURE / JUNEAU	- CALUMA TITI	E Regulatory Ana	llyst DATE 12/19/06
Type or print name Kristina Hurts For State Use Only	E-mail address: <u>hurt</u>	k0@bp.com	Telephone No. <u>281-366-3866</u>
16	\geq_{λ}		MAR 2 7 200
APPROVED BY: Conditions of Approval (if any):	TITI	LE SEVIT OR & GAS	PISPECTOR, DIST. & DATE

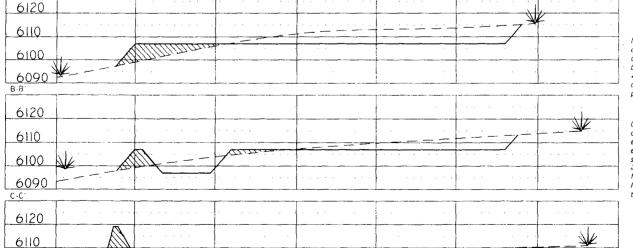
PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY

Storey D # 1N 1080' F/SL 2505' F/EL SEC. 26, T28N, R8W, N.M.P.M.

SEC. 26, T28N, R8W, N.M.P.M. Lat: 36.62815° (83) SAN JUAN COUNTY, NEW MEXICO Long: 107.64987° (83)



Area of Construction Zone - 330'x400' or 3 03 acres, more or less.



HHH

A-A

6100

6090

NOTE Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least like (2) working days prior to construction

SCALE: 1"=60"-HORIZ.

Cuts and fills shown are opproximate - final finished elevation is to be adjusted so earthwork will balance Corner stakes are approximate and do not include additional areas needed for sidestopes and drainages. Final Pad Dimensions are to be verified by Contractor

VANN SURVEYS P. O. Box 1306 Farmington, NM

BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM 12/12/2006 Field: Blanco Mesaverde/Basin Dakota Lease: Storey Well Name & No. Storey D #1N County: San Juan, New Mexico Surface Location: 26-28N-8W: 1080' FSL, 2505' FEL Minerals: State Surface: Lat: 36.6280090 deg; Long: -107.6493471 deg Rig: H & P 292 BH Location: same OBJECTIVE: Drill 370' below the top of the Two Wells Mbr, set 5-1/2" production liner, Stimulate DK, MF, and PL intervals APPROXIMATE DEPTHS OF GEOLOGICAL MARKER METHOD OF DRILLING 6107 TYPE OF TOOLS DEPTH OF DRILLING Actual GL: Estimated KB: 6,121.0 Marker SUBSEA TVD APPROX. MD Rotary 0 - TD 1,619' LOG PROGRAM 1,619 Oio Alamo 4.502 4.388 1.733 1.733 Kirtland Type Depth Interval 2,120 Fruitland 4,001 2,120 Single Run Fruitland Coal 3,797 2,324 2,324 Pictured Cliffs 3.564 2.557 2,557 Lewis 3,375 2,746 2,746 Cased Hole Cliff House # 2.015 4,106 4,106 RST- CBL # 1,816 4,305 4.305 Menefee TD to 7" shoe Point Lookout # 1,313 4.808 4.808 Identify 4 1/2" cement top REMARKS: 936 5.185 5.185 Mancos The recommended TD is intended to penetrate the entire BRCN (~80") in Greenhorn -607 6,728 6,728 Graneros (bent,mkr) -668 6.789 6,789 order to collect petrophysical data to help normalize the 3D seismic data, -704' Two Wells # 6,825 6,825 and possibly produce the entire DKOT. Offsetting wells encountered no Paguate # water flow in the BRCN. See attached cross-section. -803 6.924 6,924' 6.957 Cubero # -836 6.957 L. Cubero # -873 6.994 6.994 Intermediate casing should be set 100 ft. into the Lwis to minimize -918 7.039 7.039 # the risks encountered drilling through the possibly water productive Encinal Cyn 7,140' -1,019 7,140 FRLD coal intervals Morrison TOTAL DEPTH: -1.074 7,195 7,195' # Probable completion interval * Possible Pay SPECIAL TESTS **DRILL CUTTING SAMPLES DRILLING TIME DEPTH** TYPE **FREQUENCY DEPTH FREQUENCY** Geolograph None 301/101 intervals 2.846 to TD 0 - TD REMARKS: MUD PROGRAM: /30 min Other Specification Interval **TypeMud** #/gal Vis, sec/at 200' Spud 8.8 - 9.0Sufficient to clean hole. 2.846 Water/LSND 8.4 - 9.0 <9 Sweep hole while whilst water drilling, LCM onsite 7,195 1000 cfm for hammer Volume sufficient to maintain a stable and clean wellbore Air CASING PROGRAM: Weight **Landing Point** Cement CasingString Depth Size Casing Size Grade, Thread Surface/Conductor 9-5/8" 32# cmt to surface 2001 13 1/2" H-40 ST&C 8-3/4" 7" 20# 100' below LWIS cmt to surface Intermediate 1 2,846 J/K-55 ST&C 4-1/2" DKOT Production 7,195 6-1/4" P-110 11.6# 150' inside Intermediate -TOC survey required CORING PROGRAM: None COMPLETION PROGRAM: Rigless, 2-3 Stage Limited Entry Hydraulic Frac, FMC Unihead **GENERAL REMARKS:** Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing. **BOP Pressure Testing Requirements Formation** Anticipated bottom hole pressure Max anticipated surface pressure** Depth Cliffhouse 4,106 500 0 4,808 0 **Point Lookout** 600 Dakota 6,825 2600 1098.5 Requested BOP Pressure Test Exception = 1500 psi ** Note: Determined using the following formula: ABHP - (.22*TVD) = ASP Form 46 Reviewed by: Logging program reviewed by: PREPARED BY: APPROVED: DATE: DATE: APPROVED: HGJ JMP/GGZ 12-Dec-06 Form 46 7-84bw For Drilling Dept. For Production Dept.

Cementing Program

Well Name:

Storey D #1N

Location:

26-28N-8W:

1080' FSL, 2505' FEL

County: State:

San Juan New Mexico Well Flac

Formation:

Blanco Mesaverde/Basin Dakota

KB Elev (est) GL Elev. (est)

Intermediate

75

0

120

1,6,8

6121 6107

Casing Program	u.					
Casing String	Est. Depth	Hole Size	Casing Size	Thread	TOC	
Casing Camp	(ft.)	(in.)	(in.)	1111000	(ft.)	
Surface	200	13.5	9.625	ST&C	Surface	
Intermediate	2846	8.75	7	ST&C	Surface	
Production -	7195	6.25	4.5	ST&C		
				3100	2030	
Casing Propert		•	Factor Included)			
Casing String	Size	Weight	Grade	Burst	Collapse	
	(in.)	(lb/ft)		(psi.)	(psi.)	
Surface	9.62	:5 3	2 H-40	2270		1400
Intermediate		7 2	0 K-55	3740		2270
Intermediate		7 2	3 N80	6340		3830
Production -	4.	5 11.	6 J-55	5350		4960
Mud Program						
Apx. Interval	Mud Type	Mud Weigh	t	Recomm	ended Mud	Properties Prio Cementing:
(ft.)				PV	<20	
				YP	<10	
0 - SCP	Water/Spud	8.6-9	2	Fluid Los	<15	
SCP - ICP	Water/LSND	8.6-9.				
ICP - ICP2	Gas/Air Mist	N				
ICP2 - TD	LSND	8.6 - 9.				
Cementing Prog						

BHST (est deg. F) Special Instructions

- 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 plug.

Surface

100

NA

75

1,6,7

Notes:

Excess %, Lead

Excess %, Tail

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

Sii	rfa	CE

Preflush

20 bbl.

FreshWater

Slurry 1

154 sx Class C Cement

195 cuft

Production

40

40

183 2,4,6

TOC@Surface

+ 2% CaCl2 (accelerator)

0.4887 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, as needed

1 Stop Ring

1 Thread Lock Compound

Cementing Program

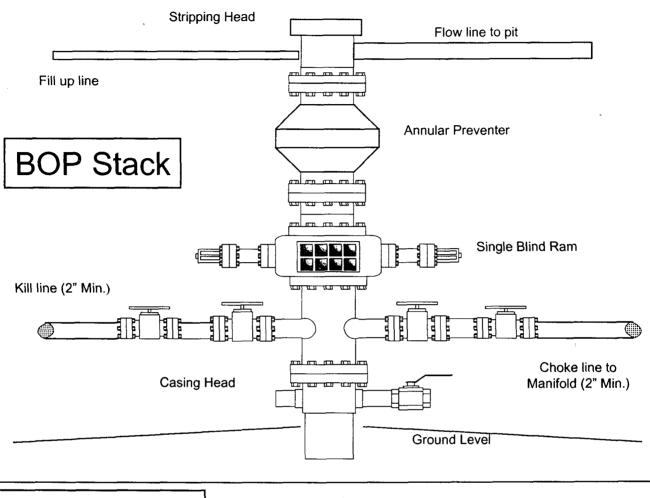
Intermediate:						
	Fresh Water	20 bbl	fresh v			
	Lead			ss "G" Cement		599 cuft
	Slurry 1			079 extender		
	TOC@Surface			sk. Cellophane Fla	ike	
				sk Gilsonite		
	Tail			50 Class "G"/Poz		75 cuft
	Slurry 2			gel (extender)		
	50	O ft fill	+1/4 #	/sk. Cellophane Fla	ike	0.1503 cuft/ft OH
				CaCl2 (accelerator)		0.1746 cuft/ft csg an
			+ 5 lb/	sk Gilsonite		
Slurry Properties:		Density	Yield		Water	
		(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1		11.4	2.63	3	15.8	
Slurry 2		13.5	1.27	•	5.72	
Casing Equipment	t:	7", 8R, ST&C				
		1 Float Shoe (autofill with	n minimal LCI	v1 in mud)		
		1 Float Collar (autofill wit	h minimal LC	M in mud)		
		1 Stop Ring				
		Centralizers as needed				
		1 Top Rubber Plug				
		1 Thread Lock Compoun	d			
Production:						
	Fresh Water	10 bbl	CW10	0		
	Lead		188 LiteCr	ete D961 / D124 / I	0154	473 cuft
	Slurry 1			gps D47 antifoam		
	TOC, 400' abov	a 7* shoe		6 D112 fluid loss		
	100, 400 0001	C / SHOC		% D65 TIC		
	Tail					217 cuft
				50 Class "G"/Poz		217 Cuit
Slurry 2				D20 gel (extender)		
	151	O ft fill	+ 0.19	6 D46 antifoam		
			+ 1/4	#/sk. Cellophane F	ake	
			+ 0.25	% D167 Fluid Loss	;	
			+ 5 lb/	sk Gilsonite		
			+0.1%	d800, retarder		
			+0.15	% D65, dispersant		
				•		0.1026 cuft/ft OH
Slurry Properties:		Density	Yield		Water	
,		(lb/gal)	(ft3/sk	١	(gal/sk)	0.1169 cuft/ft csg ar
Slurry 1		9.5	2.5	•	(gai/sk) 6.38	o. 1150 contri coy ai
-						Ton of Monage
Slurry 2		13	1.4	+	6.5	Top of Mancos 5185
Casing Equipment:		4-1/2", 8R, ST&C				30
		1 Float Shoe (autofill with				
		1 Float Collar (autofill wit				
		1 Stop Ring				
		· -				
		Centralizers, as needed				
		1 Top Rubber Plug				

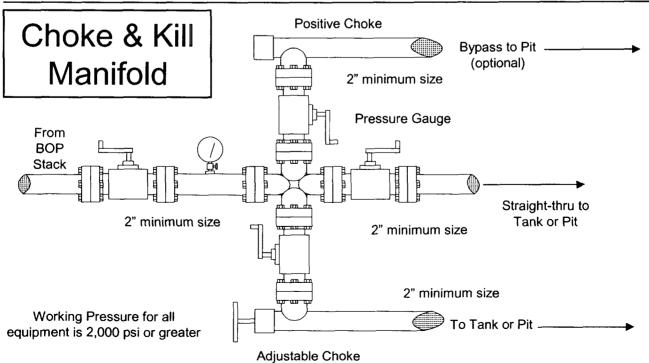
1 Thread Lock Compound

BP American Production Company

Well Control Equipment Schematic







FEDERAL CEMENTING REQUIREMENTS

- 1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be 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 these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
- 5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water 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.

Additional Operator Remarks Storey D 1N APD

NOTICE OF STAKING WAS SUBMITTED ON 12/14/06

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 7195' MD. Complete in the Basin Dakota Pool, isolate the Dakota; complete into the Blanco Mesaverde, establish a production rate; drill out the bridge plug and commingle production downhole.

Application for Downhole Commingling authority (NMOCD order R-11363) will be submitted to all appropriate for approval after Permit to Drill has been approved.

If terrain allows it is our intent to pre-set the 9 5/8" casing on the above mentioned well by drilling a surface hole with air/air mist in lieu of drilling mud and the surface casing be cemented with 94.5 cu/ft type I-II, 20% FLYASH, 14.5 PPG, 7.41 gal/sk, 1.61 cf/sk Yield, 80 DEG BHST ready mix cement. If the area will not allow for pre-set the approved cement program will be followed.

SUPPLEMENTAL TO SURFACE USE PLAN

New Facilities:

A 4.5" diameter buried steel pipeline that is +/- 2000 feet in length will be constructed. The pipe wall thickness is .156 and the pipe wall strength is 42,000#. It will be adjacent to the access road and tie the well into an existing gas meter operated by BP America Production Company. The pipeline will not be used to transport gas to drill the well. After the well is spud the pipeline will be authorized by a right-of-way issued by El Paso Field Services.

APD/ROW