Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0136 Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRIL	5. Lease Serial No. NMNM013364					
la. Type of Work X DRILL REEN	6. If Indian, Allotee or Tribe Name					
1b. Type of Well Oil Well X Gas Well Other	7. Unit or CA Agreement Name and No. NMNM78424A					
2. Name of Operator		8. Lease Name and Well No				
Phillips Petroleum Company 3a. Address	3b. Phone No. (include area co	C1 22 0 Unit #120				
	9. API Well No.					
5525 Highway 64, NBU 3004, Farmington, NM 8740. 4. Location of Well (Report location clearly and in accordance with any).	505-599-3454	<u> 30-045-31047</u>				
At surface Unit C. 647' FNL & 2192' FWL	10.Field and Pool, or Exploratory Blanco Mesaverde					
At proposed prod. zone Same as al	11. Sec., T., R., M., or Blk. and Survey or Area					
14. Distance in miles and direction from nearest town or post office*	50 ve	CSection 21, T31N, R8W				
		12. County or Parish 13. State				
14 miles N NE of Bl.		San Juan, NM				
15. Distance from proposed* location to nearest	16. No. of Acres in lease	17. Spacing Unit dedicated to this well				
property or lease line, ft. (Also to nearest drg. unit line, if any)	360.0 acres	320 W/2				
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.	6152'	ES0048				
21. Elevations (Show whether DF, KDB, RT, GL, etc.	22. Approximate date work will sta	rt* 23.Estimated duration				
6625' GL	7/14/02	20 days				
 Well plat certified by a registered surveyor. A Drilling Plan A Surface Use Plan (if the location is on National Forest System Lands SUPO shall be filed with the appropriate Forest Service Office). 	Attachments ORILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACH and Gas Order No. 1, shall be attached ENERAD: REQUIREMENTS" 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized officer.					
25. Signuature	Name (Printed/Typed)	Date				
Title Party (MgDr)	Patsy Clugst	on 3/12/02				
Sr. Regulatory/Proration Clerk						
Approved by (Signautre David J. Mankiewicz	Name (Printed/Typed)	Date				
Ja Davic J. Mankiewicz		JUN - 7 2002				
Title	Office Office					
Application approval does not warrant or certify that the applicant holds le conduct operations thereon. Conditions of approval, if any, are attached.	gal or equitable title to those rights in t	he subject lease which would entitle the applicant to				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a United States any false, fictitious or fraudulent statements or representations	crime for any person knowlingly and vas to any matter within its jurisdiction.	villfully to make to any department or agency of the				

District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210 District III 1000 Rlo Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

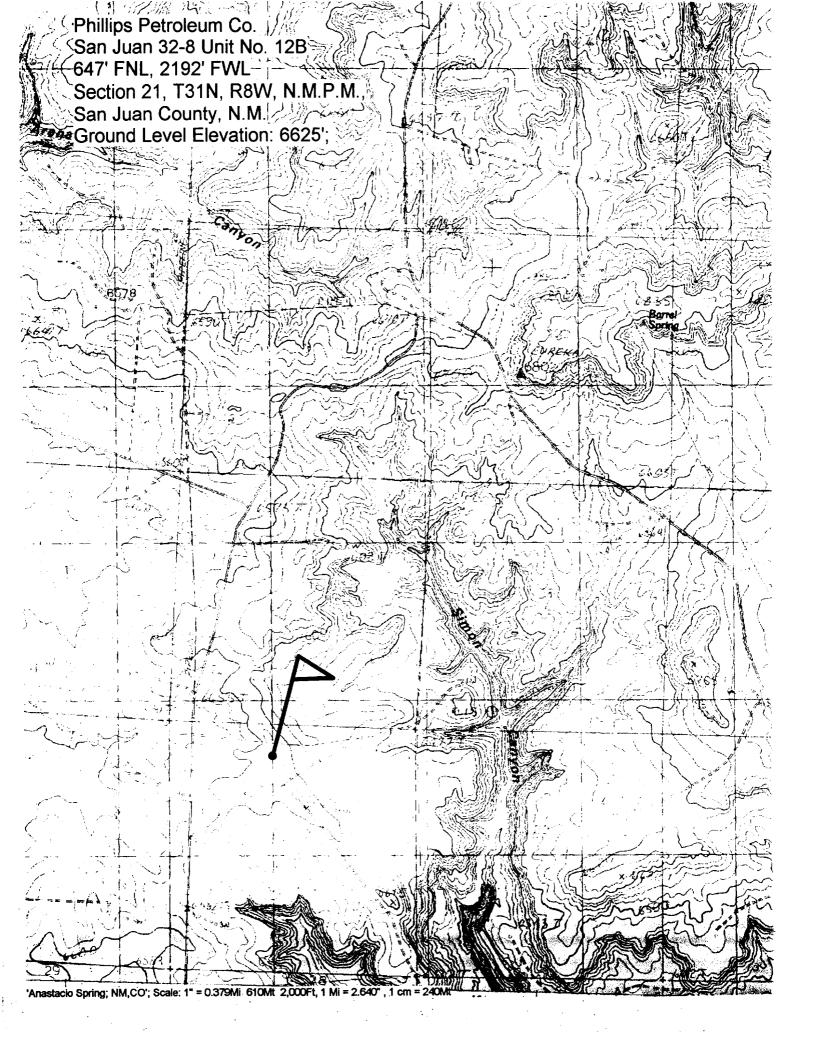
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Form C-1
Revised October 18, 19
Instructions on ba
Submit to Appropriate District Offi
State Lease - 4 Copi
Fee Lease - 3 Copi

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

AMENDED REPOR

		W	ELL LO	CATIO	N AND A	ACR	EAGE DEDI	CA	TION PL	AT		
30-045-31047				¹ Pool Code 72319 B3			, Pool Name					
* Property 009261	Code			S	AN JUAN							
'ogrid 017654	No.	·		PHILLI	PS PETR		M COMPANY	·	6625 ·			
UL or lot no.	Section 21	Township 31N	Range 8W	Lot Idn	Feet from 647	the	Location North/South line NORTH	Fe	et from the	East/Wes WEST		County SAN JUAN
	r	1	11 Bot	T	e Locatio	on If	Different Fr	om				
UL or lot no.	Section	Township	Runge	Lot Idn	Feet from t	the	North/South line	Fe	et from the	East/Wes	l line	County
Dedicated Acr		I	Jonsolidatio U		order No.	7001	INTERNATION	rcn	Como III III		201100	VID INCO OR
NO ALLOWA	ABLE WI						UNTIL ALL IN APPROVED BY				CONSC	LIDATED OR
NM-01336 360.0 a	cres	N89°	2	524	5.68'			5202.12"	I hereby certification of the complete and c	by that the inglete to the be	Ormation 251 of my	TIFICATION contained herein is throwledge and belief
M₁ / C₀ 10N NM-013	364	1	7	,				NO1°26'W	I hereby certif	y that the we om field was werven the brest of my b	ll location of actua hitishai	TIFICATION I shown on this plat I surveys medic by m I same is true and I surveyer: I surveyer: I surveyer:
SF-07	9029	√ N89°1	⊊†₩	522	25.221				Certificate Nu	mber	SEKEN P	



PHILLIPS PETROLEUM COMPANY

WELL	NAME:	San Juan	32-8 Unit #	12B (MV)				
	LING PROGNOSIS Location of Proposed		it C, 647' F		FWL FEL			
2.	Unprepared Ground I	Elevation:	<u>@</u> 60	625' (unprer	oared) .			
3.	The geological name	of the surface	ce formation	n is <u>San Jose</u>	<u>e</u> .			
4.	Type of drilling tools	will be <u>rot</u>	tary .					
5.	Proposed drilling dep	th is <u>615</u>	52' .					
6.	The estimated tops of	f important g	geologic ma	rkers are as	follows:			
	Ojo Alamo - 22		Cliff H Menefor Pt. Lo	Shale - 3° ouse Ss - 54 ee Fm. - 5 okout - 5 s Sh - 5	430° 5475°			
7.	The estimated depth formations are expec		-		-	other min	eral bearing	
	Water: Gas & Water: Gas:	Fruitland	- Cliffs <u>-</u>	2281' - 242 3219' - 352 3522' - 374 5430' - 595	.2' .7'			
8.	The proposed casing	program is a	as follows:					
	-	7", 20#, J/K only casing a	55 @ 384 available.	7' (J-55 w		unless the	: K-55 is the	
	Production String: 4-1/2", 11.6#, J-55 @ 6152' (TD)							
	* The surface casing to maintain hole stab		at a minimu	ım of 320', t	out could be	set deepe	er if required	
9.	Cement Program: Surface String :	197.6 sx 7	Type III cen	nent + 2% b	woc Calciu	m Chlorid	le + 0.25#/sx	

9. Cement Program (cont.)

Intermediate String: Lead Cement: 485.0 sx Type III cement (35:65) POZ + 5#/sx Gilsonite + 0.25 #/sx Cello-Flake + 6% bwoc Bentonite + 10#/sx <u>CSE + 3% bwow KCL + 0.4% bwoc FL-25 + 0.02#/sx static free +</u> 129% FW (2.37 yield = 1149 cf). Cement to surface with 120% excess casing/hole annular volume.

> Tail Cement: 50.0 sx Type III cement + 0.25#/sx Cello-Flake + 1% Calcium Chloride + 60.5% FW (1.4 yield = 70 cf). Cement to surface with 120% excess of casing/hole annulus volume.

Production String *: Lead Cement: 50 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx Static Free (2.34 yield = 117 cf).

> 2nd Lead Cement: 108.0 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 2.5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx Static Free (2.32 yield = 251 cf)

> Tail Cement - 20 sx Type III (35:65) POZ L (Fly Ash L) with 6% gel Bentonite, 5#/sx Phenoseal, 0.2% bwoc CD-32, 0.75 bwoc FL-52 1#/sx LCM-1 0.25#/sx Cello-Flake, 10#/sx CSE, 0.02#/sx Static Free (1.91 yield = 38 cf).

*The production casing cement is calculated to cover the openhole interval with 50% excess and annular volume 200' within intermediate shoe. Depending on hole conditions, the well may be cemented in a single stage or two staged.

Centralizer Program:

Surface:

Total four (4) 1 @ 10' above shoe & top of 2nd, 4th & 6th joint

Intermediate: Total seven (7) – 10' above shoe, top of 1st, 2nd, 4th, 6th, & 8th its &

1 jt. above surface casing.

Production:

None planned.

Turbulators:

<u>Total Three (3) – on intermediate casing at 1st it. below the Ojo</u>

Alamo and next 2 its up.

BOP AND RELATED EQUIPMENT CHECK LIST

M SYSTEM:

2 hydr. rams (pipe & blind) or hydr. ram and annular with blind ram on bottom

Kill Line (2-inch minimum)

1 kill line valve (2-inch minimum)

1 choke line valve

2 chokes (refer to diagram in attachment 1) on choke manifold

Upper kelly cock valve in open position with handle available

Safety valve (in open position) and subs to fit all drill strings in use (with handle available)

Pressure gauged on choke manifold

2 inch minimum choke line

Fill-up line above the uppermost preventer

The BOPs will be pressure tested according to Onshore Order #2 III, A 1 and 30% safety factor.

drilling BOPck Ist