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

At surface Unit 0, 322' FSL & 1546' FEL At proposed prod. zone Same as above 14. Distance in miles and direction from nearest town or post office* 16-1/2 N by NE of Blanco, NM 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 17. Spa	7. Unit or CA Agreement Name and No. NMNM78424A 8. Lease Name and Well No. San Juan 32-8 Unit #21A 9. API Well No. 30-045- 30966 10. Field and Pool, or Exploratory Blanco Mesaverde 11. Sec., T., R., M., or Blk. and Survey or A O Section 15, T31N, R8W 12. County or Parish San Juan NM acing Unit dedicated to this well 320 E/2			
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Phillips Petroleum Company a. Address 5525 Highway 64, NBU 3004, Farmington, NM 87401 Location of Well (Report location clearly and in accordance with any State equirements)* At surface Unit 0, 322' FSL & 1546' FEL At proposed prod. zone Same as above 4. Distance in miles and direction from nearest town or post office* 16-1/2 N by NE of Blanco, NM 5. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 17. Span 1840.00 acres	8. Lease Name and Well No. San Juan 32-8 Unit #21A 9. API Well No. 30-045- 30966 10. Field and Pool, or Exploratory Blanco Mesaverde 11. Sec., T., R., M., or Blk. and Survey or A Section 15, T31N, R8W 12. County or Parish 13. State San Juan NM acing Unit dedicated to this well 320 E/2			
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(Also to nearest drg. unit line, if any)				
9. Distance from a second location #	14/D/4 D 131			
to nearest well, drilling, completed,	LM/BIA Bond No. on file			
applied for, on this lease, ft.	ES0048			
21. Elevations (Show whether DF, KDB, RT, GL, etc. 22. Approximate date work will start*	23. Estimated duration			
6539' July 6, 2002	20 days			
 A Drilling Plan A Surface Use Plan (if the location is on National Forest System Lands, the Drilling Plan Jtem 20 above). Operator certification. 	s form: ess covered by an existing bond on file (see ion and/or plans as may be required by the			
25. Signuature Name (Printed/Typed)	Date			
Patsy Clugston	1/3/02			
Sr. Regulatory/Proration Clerk				
Approved by (Signautre) /s/ Jim Lovato Name (Printed/Typed)	Date 3/1/12			
Petr. Eng. Office BLM-FFO				
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subjoundant operations thereon. Conditions of approval, if any, are attached.	ect lease which would entitle the applicant			

*(Instructions on Reverse)

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

CARTINE CHERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED TORRESAL RECHIBEMONOR

District I PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico Incress, Minerals & Natural Resources Department

Form C-: Revised October 18, 19

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

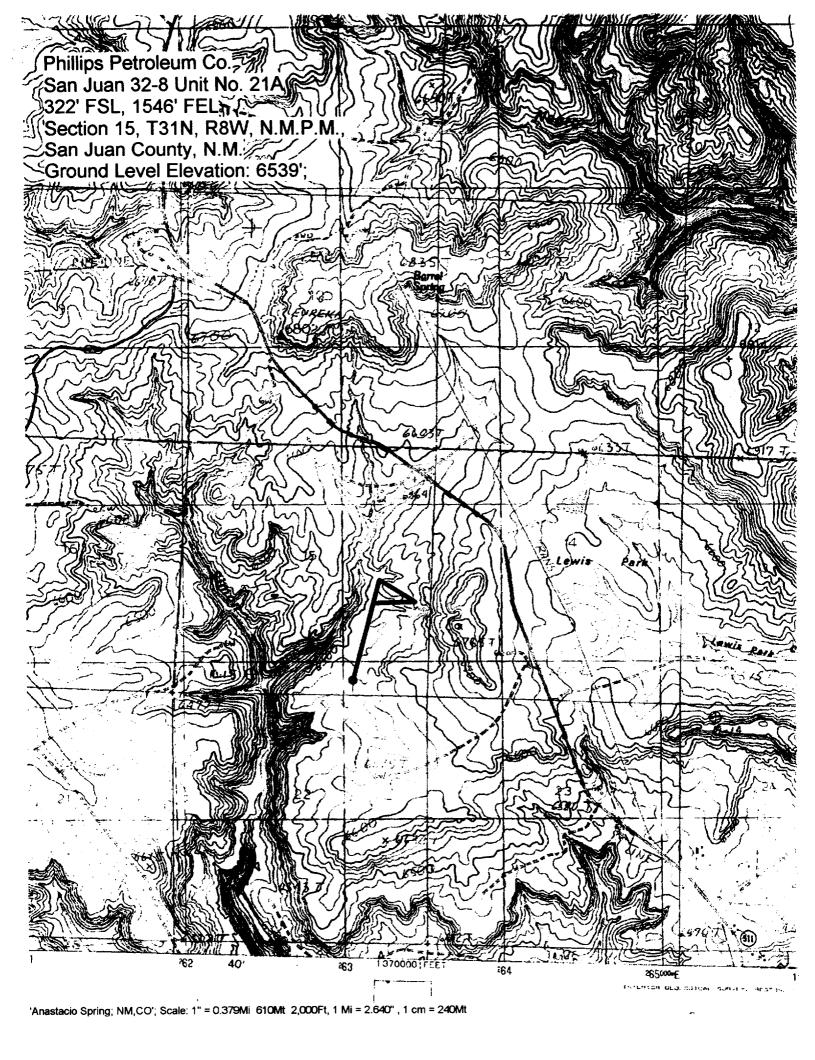
OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Instructions on ba Submit to Appropriate District Off

State Lease - 4 Cop Fee Lease - 3 Cop

27 -1 01 1: 15 ☐ AMENDED REPO

			WELL !	LOC	CATTION	N'AND AC	CREA	GE DEDI	CA	TION PL	ΑT			
API Number					Prol Code 319 Blanco Mesave					' Pool N				
Property Code 009261				⁴ Property Name SAN JUAN 32-8 UNIT					· Well Number					
'OCRID No. 017654					Operator Name PHILLIPS PETROLEUM COMPANY					·	Elevation 6539			
r 						10 Surfac	e Loc	ation						
UL or lot no.	Section	Towns	. 1	c	Lot idn	Feet from the	Nort	h/South line	F	et from the	East/West	line	County	
0	15	311				322'		OUTH	$oldsymbol{\perp}$	1546 '	EAS	<u>T : : : : : : : : : : : : : : : : : : :</u>	SAN JUAN	
Bottom Hole Location If Different From Surface														
UL or lot no. O	Section	Townsh	ip Rang	c	Lot idn	Feet from the	Nort	h/South line	Fe	et from the	East/West	line	County	
12 Dedicated Acre	1	or Infill	¹⁴ Consolid	fition (Cod: "O	rder No.	 		<u> </u>		<u> </u>		1.	
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PHILLIPS PETROLEUM COMPANY

WELI	. NAME:	San Juan 32-	8 Unit #	21A (MV)) .						
DRILI	LING PROGNOSIS										
1.	Location of Proposed				' FEL						
		Section	n 15, T3	1N, R8W							
2.	Unprepared Ground E	levation:	<u>@ 6:</u>	539' (unpre	pared) .						
3.	The geological name of the surface formation is <u>San Jose</u> .										
4.	Type of drilling tools will be <u>rotary</u> .										
5.	Proposed drilling dept	th is <u>6251'</u>									
6.	The estimated tops of important geologic markers are as follows:										
	Naciemento - 122	23'	Lewis :	Shale - 3	659'						
	Ojo Alamo - 209	91	Cliff H	ouse Ss - 5	382'	· -					
	Kirtland Sh - 231	.7'	Menefe	ee Fm	5423'	-					
	Fruitland Fm 312				5734'						
	Pictured Cliffs - 342	23'	Manco	s Sh - 6	5051'	-					
7.	The estimated depths formations are expected. Water: Gas & Water: Gas:		ntered a		s: 17' 23'	other mineral bear	ring				
		Mesaverde -		5382' - 60		-					
8.	The proposed casing p			*							
	Surface String: <u>9-5/8</u> Intermediate String: <u>7</u>				zill he used	unless the K-55 is	the				
		nly casing avai		<u> </u>	viii be used.	unioss the it 55 is	tile				
	Production String: 4			6251' (TD)						
	* The surface casing to maintain hole stabi		ı minimı	ım of 320',	but could b	e set deeper if requ	<u>ired</u>				
9.	Cement Program: Surface String:	197.6 sx Typ Cello-flake +				nm Chloride + 0.25	<u>#/sx</u>				

9. Cement Program (cont.)

Intermediate String: Lead Cement: 472.8 sx Type III cement (35:65) POZ + 5#/sx

Gilsonite + 0.25 #/sx Cello-Flake + 6% bwoc Bentonite + 10#/sx CSE + 3% bwow KCL + 0.4% bwoc FL-25 + 0.02#/sx static free + 129% FW (2.37 yield = 1121 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: 120.4 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 = 279 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:

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

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

1 jt. above surface casing.

Production: None planned.

Total Three (3) – on intermediate casing at 1st it, below the Oio Turbulators:

Alamo and next 2 its up.

BOP AND RELATED EQUIPMENT CHECK LIST

3M 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.lst