004

Form 3160-3 (August 1999)	•		FORM APPROV OMB No. 1004-0	
	UNITED STATES		Expires November 30	
	TMENT OF THE INTERIOR			
BUREA	U OF LAND MANAGEMENT		5. Lease Serial No. NMSF078687	
APPLICATION FO	OR PERMIT TO DRILL OR R	EENTER	6. If Indian, Allottee or Tribe Na	ame
,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·	
la. Type of Work: DRILL RE	ENTER		7. If Unit or CA Agreement, Nar	me and No.
the management of a wall of the	- W-II — Od ODM — Si	in de 7eus — Meláinle 7eus	Lease Name and Well No. SJ 32 FED 8 1A	
1b. Type of Well: Oil Well Ga 2. Name of Operator	s Well Souther: CBM Si Contact: PATSY CLUGSTO	ingle Zone Multiple Zone	9. API Well No.	
PHILLIPS PETROLEUM COMPAI	NY E-Mail: plclugs@ppco.c	com	30-045-31	
3a. Address 5525 HWY. 64	3b. Phone No. (incl Ph: 505.599.34		 Field and Pool, or Explorator BASIN FRUITLAND CO 	
FARMINGTON, NM 87401	Fx: 505-599-34	42		
4. Location of Well (Report location clean	rly and in accordance with any State re	quirements.*)	11. Sec., T., R., M., or Blk. and	Survey or Area
At surface SESE 693FS	Sec 8 T32N R9W Mer NMP			
At proposed prod. zone	AS	0 19 20 21 22 33	ρ	
14. Distance in miles and direction from nea 16 1/2 MILES N/NE OF AZTEC, N	rest town or post office*		12. County or Parish SAN JUAN	13. State NM
15. Distance from proposed location to near lease line, ft. (Also to nearest drig, unit			17. Spacing Unit dedicated to the	nis well
693	1818 20	Market OIV.	354.47 A//	
18. Distance from proposed location to near completed, applied for, on this lease, ft.		DIST. 3 (S)	20. BLM/BIA Bond No. on file	
completed, applied for, on this lease, it.	3593 MQ _	4	ES0048	
21. Elevations (Show whether DF, KB, RT,	3593 TVD A		23. Estimated duration	- M. T.
6843 GL	01/01/2003	ale work with space	20 DAYS	
	24. A	ttachments		
The following, completed in accordance with t	he requirements of Onshore Oil and Gas	s Order No. 1, shall be attached to	this form:	
1. Well plat certified by a registered surveyor.		4. Bond to cover the operation Item 20 above).	ons unless covered by an existing be	ond on file (see
 A Drilling Plan. A Surface Use Plan (if the location is on Na 				
SUPO shall be filed with the appropriate	Forest Service Office).	Such other site specific in authorized officer.	formation and/or plans as may be r	equired by the
25. Signature	Name (Printed/Type	ed)		Date
(Electronic Submission)	PATSY CLUG	GSTON		11/15/2002
Title AUTHORIZED REPRESENTATIV	Æ			
Approved by (Signature) Approved by (Signature) Approved by (Signature)	Name (Printed/Type	ed)		Date
				DEC 18 2002
Title	Office			

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 #16145 verified by the BLM Well Information System For PHILLIPS PETROLEUM COMPANY, sent to the Farmington Committed to AFMSS for processing by Lucy Bee on 11/18/2002 ()

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

DESTRUCT I

611 South First, Artesia, N.M. 88210

State of New Mexico Energy, Minerals & Natural Resources Department

P.O. Box 1980, Hobbs, N.M. 88241-1980

1000 Rio Bresos Rd., Astec, N.M. 87410

DISTRICT IV

JN

2040 South Pacheco, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised Febuary 21, 1994 Instructions on back

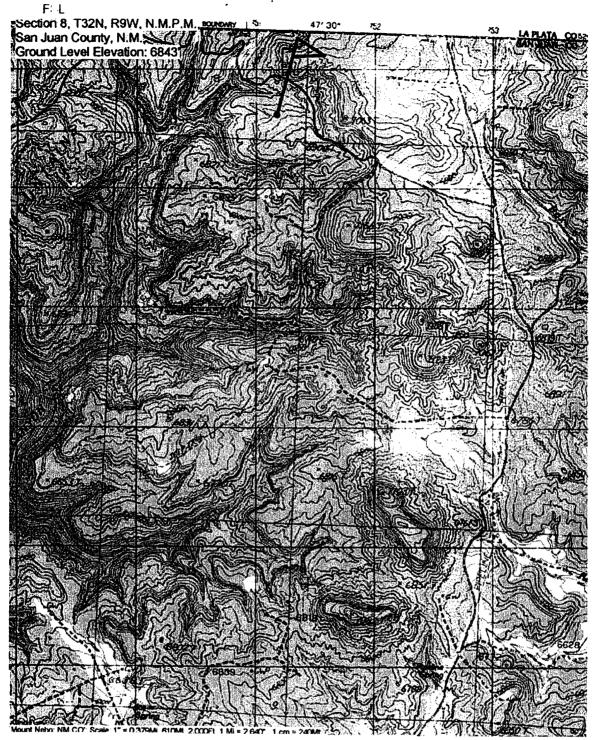
Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

24189 **CORRID No. Color No			, ,	WELL I	COCATIO	N AND A	CREAGE DED	ICATION P	LAT		
*Property Code 24189 SAN JUAN 32 FED 8 **OGRID No. Of 7654 PHILLIPS PETROLEUM COMPANY SUrface Location UL or let no. Section Township Bange Let Idn Feet from the North/South line Feet from the East/West line Count P 8 32N 9W 693 SOUTH 767 EAST SAN 11 Bottom Hole Location If Different From Surface UL or let no. Section Township Range Let Idn Feet from the North/South line Feet from the East/West line Count P Bedicated Acres Joint or Infill Consolidation Code Grider No. 354.471 NO ALLOWABLE WILL HE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOL OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 17 OPERATOR CERTIFICA I hereby carrify that the information contained.	30-045-31268 71629										
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True and complete to the best of my investedge				× .		750	LEVIL OF THE PARTY	I hereby certify	that the information	s contained herein is	
							. 9	true and comple		, knowledge and belief	

Patsy Clugston Printed Name Sr. Regulatory Clerk S89643'W 5236.44 August 26, 2002 10.84 7 8.89 Date 9.84 18 SURVEYOR CERTIFICATION Section 8 39.71 39.58 39.52 39.64 r under my supervision, and that the servent to the best of my belief. 12 10 SF-078687 1818.20 acres 39.52 39.11 39.64 39.58 16 15 14 N89°09'W 5236.441



PHILLIPS PETROLEUM COMPANY

WEL	L NAME: San J	Juan 32 Fed 8	3 #1 A				
DRII	LING PROGNOSIS						
	Location of Proposed Well:		3' FSL & 767' FEL T32N, R9W				
2.	Unprepared Ground Elevation	on:	@ 6843'	_·			
3 .	The geological name of the	surface forma	tion is <u>San Jose</u> .				
4.	Type of drilling tools will be <u>rotary</u>						
5 .	Proposed drilling depth is _	<u>3593'</u> .					
6.	The estimated tops of importance Naciamento - 758' Ojo Alamo - 1998' Kirtland - 2033' Fruitland - 3233' Top of Coal - 3263'	Bas Pic Inte	markers are as followers for the se of Coal - 3628 ture Cliffs - 3638 turn. Casing - 3363 degree. 3593	; ;			
7	The estimated depths at sometions are expected to l	•		as or other n	nineral bearing		
	Water: Ojo A	Alamo -	1998' - 2033'	···			
	Oil:	non					
		land Coal -	3263' – 3628'				
	Gas & Water: <u>Fruit</u>	land Coal -	3263' - 3628'				
8.	The proposed casing progra	m is as follow	/s :				
	Surface String: 9-5/8", 32 Intermediate String: 7", 20# Production Liner: 5-1/2", 1	, J/K-55 @	3363'	see details belo	<u>ow)</u>		
	* The surface casing wi required to maintain hole st	-	minimum of 200	', but could b	e set deeper if		
9	Cement Program: <u>Surface String:</u> <u>casing/hole annulus volume</u> <u>Cello-flake + 60.6% Fresh volume</u>	w/Type III c		Calcium Chlo			

9. Cement program: (continued from Page

Intermediate String: Lead Cement: 384.9 sx Type III cement. Cement to surface -

110% excess casing/hole annular volume w/ Type III cement + 0.25#/sx Cello-flake + 5#/sx Gilsonite + 6% bwoc Bentonite + 10#/sx CSE + 3% bwow KCL + 0.4% bwoc FL-25 mixed + 0.02#/sx static free mixed at 12.0 ppg. (2.52 cf/sx yield = 970cf)

Tail: 50 sx Type III cement + 0.25#/sx Cello-flake + 1% Calcium Chloride mixed at 14.5 ppg. (1.40 cf/sx yield = 70 cf)

Note: Phillips Petroleum continually works to improve the cement slurries on our wells. BJ Services is currently trying to improve what we are using now and before we would use a new cement program it would have to have stronger properties than we are currently using.

Centralizer Program:

Surface: Total four (4) - 10' above shoe and top of 2nd, 3rd, & 4th jts.

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

1st it. into shoe.

Turbulators: Total three (3) - one at 1st jt below Ojo Alamo and next 2 its up.

Liner:

- If the coal is cleated a 5 ½" 15.5# liner will be run in the open hole without being cemented.
- If the coal is not cleated, a 4-1/2" 11.6# liner will be run & cemented. The well will then be completed by fracture stimulation.
- 10. The minimum specifications for pressure control equipment which are to be used, a schematic diagram thereof showing sizes, pressure ratings (or) API series and the testing procedure and testing frequency are enclosed within the APD packet.

Drilling Mud Prognosis:

Surface - spud mud on surface casing.

Intermediate - fresh water w/polymer sweeps. Bentonite as

required for viscosity.

Below Intermediate - air drilled.

12. The testing, logging, and coring programs are as follows:

D.S.T.s or cores: Logs: Mud logs only

San Juan 32 Fed 8 #1A

SURFACE CASING:

Drill Bit Diameter Casing Outside Diameter Casing Weight Casing Grade Shoe Depth Cement Yield

9.625 " 32.3 ppf H-40 200 '

12.25 "

Excess Cement

1.41 cuft/sk 110 %

Casing Capacity Hole / Casing Annulus Capacity

0.0785 bbl/ft 0.4407 cuft/ft 0.0558 bbl/ft

0.3132 cuft/ft

6.455

8.989

Cement Required

102.7 sx

SHOE

200', 9.625",

32.3 ppf,

H-40

INTERMEDIATE CASING:

Drill Bit Diameter 8.75 " Casing Outside Diameter Casing Weight 20 ppf **Casing Grade** J-55: **Shoe Depth** 3363 ' Lead Cement Yield 2.52 cuft/sk **Lead Cement Excess** -110 % 200 ' Tail Cement Length Tail Cement Yield 1.4 cuft/sk Tail Cement Excess 110 %

Casing Capacity 0.0405 bbl/ft 0.2272 cuft/ft Casing / Casing Annulus Capacity 0.0309 bbl/ft 0.1734 cuft/ft Hole / Casing Annulus Capacity 0.0268 bbl/ft 0.1503 cuft/ft

Lead Cement Required 384.9 sx Tail Cement Required 50.0 sx

LINER TOP

3343 '

SHOE

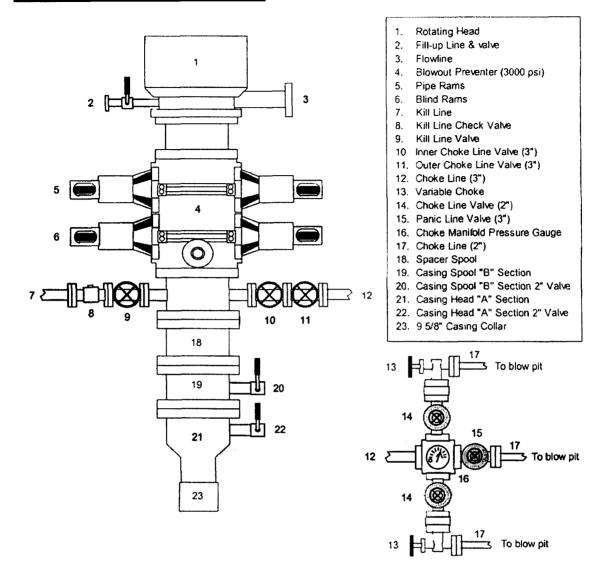
3363 ',

20 ppf,

J-55

LINER BOTTOM 3593

BOP & EQUIPMENT:



In addition to the equipment listed above, the following will be kept on the drill floor:

- 1. Upper Kelly cock valve & wrench
- 2. Stab-in TIW valve for all drillstrings in use

Note: The fill-up line must be hooked up to the rotating head. NOT the kill line!

High and low pressure BOP tests shall be conducted every 14 days or anytime flange seals are broken for repair or service. Functional and visual tests will be conducted daily and so noted on the IADC report.

Proper test plug seating must be checked.

The 2" casing valve below the test plug MUST be open and unobstructed.

Last Revision: 8/19/02 Page 5 of 5