Form 3160-3 (August 1999)

<u>ed</u>) _____

BCM NCS 5-27-02 FORM APPRO

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

DEPARTMENT OF THE INTERIOR	
DUDUALI OU LAND MANIACEMENT	5. Lease Serial No.
BUREAU OF LAND MANAGEMENT	NMSF079013
APPLICATION FOR PERMIT TO DRILL OR REENTER	6. If Indian, Allottee or Tribe Name
ALT EIGHT ON TERMIN TO BRIEF ON RELEATER	3 11 1101111, 11101110
Ia. Type of Work: DRILL REENTER	7. If Unit or CA Agreement, Name and No.
	8. Lease Name and Well No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other: CBM ☒ Single Zone ☐ Multiple Zo	one SAN JUAN 32-8 UNIT 229A
2. Name of Operator Contact: PATSY CLUGSTON	9. API Well No.
PHILLIPS PETROLEUM COMPANY E-Mail: plclugs@ppco.com	30-045-31208
3a. Address 3b. Phone No. (include area code) 7 5525 HWY. 64 Ph. 505.599.3454	10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
FARMINGTON, NM 87401 Fx: 505-599-3442	BASIN'I NOTIENIO COAL
4. Location of Well (Report location clearly and in accordance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area
At surface NWNW 795FNL 760FWL 36.97500 N Lat, 1070390 W Lon	Sec 20 T32N R8W Mer NMP
At proposed prod. zone	$\langle 10 \rangle$
	<u> </u>
14. Distance in miles and direction from nearest town or post office* 18 MILES N/NE OF AZTEC, NM	3 1 0001 0100
15. Distance from proposed location to nearest property or 16. No. of Acres in Cease	17. Spacing Unit dedicated to this well
lease line, ft. (Also to nearest drig. unit line, if any)	<i>i i i i i i i i i i</i>
760 2560.00	320.00
18. Distance from proposed location to nearest well, drilling, 19. Proposed Depth 2013 19.	20. BLM/BIA Bond No. on file
completed, applied for, on this lease, ft.	FC0048
3629 TVD	ES0048
21. Elevations (Show whether DF, KB, RT, GL, etc. 22. Approximate date work will start	23. Estimated duration
6724 GL 01/01/2003	20 DAYS
24. Attachments	
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached	ed to this form:
Well plat certified by a registered surveyor. 4. Bond to cover the open surveyor.	erations unless covered by an existing bond on file (see
2. A Drilling Plan. Item 20 above).	•
 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). 5. Operator certification 6. Such other site specification 	ic information and/or plans as may be required by the
authorized officer.	
25. Signature Name (Printed/Typed)	Date
(Electronic Submission) PATSY CLÜGŚTON	11/27/2002
Title	
AUTHORIZED REPRESENTATIVE	
Approved by (Signature) Name (Printed/Typed)	Date
Title Office	
Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subjournations thereon.	ect lease which would entitle the applicant to conduct
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 willful	Illy 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.	any to make to any department of agency of the Office

Additional Operator Remarks (see next page)

Electronic Submission #16475 verified by the BLM Well Information System For PHILLIPS PETROLEUM COMPANY, sent to the Farmington

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

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

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

DISTRICT 1

State of New Mexico Energy, Minerals & Natural Resources Department

P.O. Box 1960, Hobbs, N.M. 88241-1980

DISTRICT II 811' South First, Artesia, N.M. 88210

DISTRICT III

1000 Rio Brazos Rd., Axtec, N.M. 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT											
7, 'AP1	30-045-3/708 Pool Code Basin Fruitland Coal										
		10		71629	12	Basin Fru	itla	nd Coal		4.	Vall Number
*Property C 009261	ode				-	• .					
*OGRED N	o.				SAN JUAN Open	32-8 UNIT					29A Elevation
017654				PHIL	LIPS PETI	OLEUM COMP.	ANY			6	724'
					10 Surfac	e Location					
UL or let me.	Section	didacwol	Range	Lot lide	Feet from th	e North/South	line	Feet from the	East/Ve	st line	County
D	20	32N	8W		795	NORTH		760	WEST	r	SAN JUAN
			11 Bott	om Hole	Location	If Different	Fro	m Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th			Feet from the	East/Wes	t line	County
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Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

5. Lease Serial No. NMSF079013

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals

6. If Indian, Allottee or Tribe Name

abandoned wen	i. Use lollii 3160-3 (AFI	pro	posais.		,		
SUBMIT IN TRIF	PLICATE - Other instruc	tions on rever	sé side.	45 P	7. If Unit or CA/Agreen	ment, Name and/or No.	
Type of Well Gas Well	er: COAL BED METHANI	E (JAN 200	33 J	8. Well Name and No. SAN JUAN 32-8 U	NIT 229A	
Name of Operator PHILLIPS PETROLEUM COM		PATSY CLUGS E-Mail: plclugs@			9. API Well No. 36-045-	-31208	
3a. Address 5525 HIGHWAY 64 NBU 3004 FARMINGTON,, NM 87401	1	3b. Phone No. (i Ph: 505.599:3 Fx: 505-599-3	3454		10. Field and Pool, or I BASIN FRUITLA	Exploratory	
4. Location of Well (Footage, Sec., T.	., R., M., or Survey Description	1)		المعتقد ا	11. County or Parish, a	nd State	
Sec 20 T32N R8W NWNW 79 36.97500 N Lat, 107.70390 W					SAN JUAN COU	INTY, NM	
12. CHECK APPR	ROPRIATE BOX(ES) TO	O INDICATE N	ATURE OF	NOTICE, RI	EPORT, OR OTHER	R DATA	
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION			
Notice of Intent	☐ Acidize	□ Deeper	a	□ Product	ion (Start/Resume)	☐ Water Shut-Off	
	☐ Alter Casing	□ Fractur	re Treat	☐ Reclama	ation	☐ Well Integrity	
☐ Subsequent Report	☐ Casing Repair	□ New C	Construction	☐ Recomp	lete	Other	
☐ Final Abandonment Notice	☐ Change Plans	□ Plug a	nd Abandon	☐ Tempor	arily Abandon	Change to Original A PD	
_	Convert to Injection	Plug B	ack	□ Water D	Pisposal	••	
testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) More details on the drilling prognosis submitted with the APD. #9. Cement Program: Liner-if the coal is NOT cleated, a 4-1/2" 11.6#, J/K-55 liner will be run & set @ TD and tie 200' into the 7" shoe. It then would be cement in place. The well will be completed by fracture stimulation. Will cement the Lead Slurry with Type III cement - 150% excess casing hole annular volume with Type III cement + 0.25#/sx Cello-flake + 5#/sx Gilsonite + 6% bwoc Bentonite + 10#/sx CSE + 3% bwow KCl + 4% bwoc FL-25 mixed + 0.2#/sx static free mixed at 10. ppg (2.52 cf/sx yield). Tail - 50 sx Type III cement + 0.2#/sx Cello-flake + 1% CaClium Chloride mixed at 14.5 ppg (1.40 cf/sx yield = 70 cf).							
	Electronic Submission f For PHILLIPS PET nmitted to AFMSS for prod	ROLEUM COMP cessing by Adrie	PANY, sent to nne Garcia on	the Farmingto 12/13/2002 (0	on 3AXG0404SE)		
Name (Printed/Typed) PATSY Cl	LUGSTON	1	Title AUTHO	ORIZED REP	RESENTATIVE		
Signature (Electronic S	Submission)	ı	Date 12/12/2	2002			
	THIS SPACE FO	OR FEDERAL	OR STATE	OFFICE U	SE		
Approved By Man. Conditions of approval of any, are attached	d. Approval of this notice doe	s not warrant or	Title $\cal A$	FY		Date 2/34/07	
certify that the applicant holds legal or equivalent would entitle the applicant to condu	uct operations thereon.		Office /	FFO			
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a statements or representations a	a crime for any pers s to any matter with	on knowingly and in its jurisdiction	nd willfully to m n.	ake to any department or	agency of the United	

PHILLIPS PETROLEUM COMPANY

WELI	. NAME:	San Juan 32-8 Unit	#229A	
DRILI	LING PROGNOSIS			
1	Location of Proposed	Well: <u>Unit D, 795'</u> <u>Section 20, 7</u>		-
2.	Unprepared Ground	Elevation:	@ 6724'	
3.	The geological name	of the surface formation	on is San Jose	
4.	Type of drilling tools	will be <u>rotary</u>		
	Proposed drilling dep	oth is <u>3629°</u> .		
6.	Naciamento - 56 Ojo Alamo - 209 Kirtland - 21 Fruitland - 31	44' Pictu	of Coal - 3629' re Cliffs - 3634' m. Casing - 3359'	- - -
7.	-	hs at which anticipateted to be encountered	ed water, oil, gas or are as follows:	other mineral bearing
	Water:	Ojo Alamo -	2094' - 2144'	_
	Oil:	none		
	Gas:	Fruitland Coal -	3299' - 3629'	_
	Gas & Water:	Fruitland Coal -	3299' - 3629'	-
8.	The proposed casing	program is as follows		
	Intermediate String:	/8", 32.3#, H-40 @ 20 7", 20#, J/K-55 @ 3: -1/2", 15.5# J/K-55 @		ails below)
	* The surface cas required to maintain		ninimum of 200', but	could be set deeper if
9.		volume w/Type III cer	ement. Cement to surfinent + 2% bwoc Calciu). (1.41 cf/sx yield = 14	m Chloride + 0.25#/sx

9. Cement program: (continued from Page)

Intermediate String: Lead Cement: 384.4 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 = 969cf)

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 its.

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 it 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.
- 11. 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 32-8 Unit #229A

SURFACE CASING

12.25 " **Drill Bit Diameter** Casing Outside Diameter 9.625 " Casing Weight 32.3 ppf Casing Grade H-40

200 ' Shoe Depth Cement Yield 1.41 cuft/sk **Excess Cement** 110 %

Casing Capacity 0.0785 bbl/ft 0.4407 cuft/ft Hole / Casing Annulus Capacity 0.0558 bbl/ft 0.3132 cuft/ft

8.989

30

Cement Required 102.7 sx

SHOE 200', 9.625", 32.3 ppf,

INTERMEDIATE CASING:

Drill Bit Diameter 8.75 " Casing Outside Diameter **7**:" 6.455 Casing Weight 8 20 ppf Casing Grade J-55 Shoe Depth 3359 Lead Cement Yield 2.52 curt/sk **Lead Cement Excess** 110 % Tail Cement Length 200 30 Tail Cement Yield 1.4 curvsk Tail Cement Excess

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 0.1503 cuft/ft 0.0268 bbl/ft

110 %

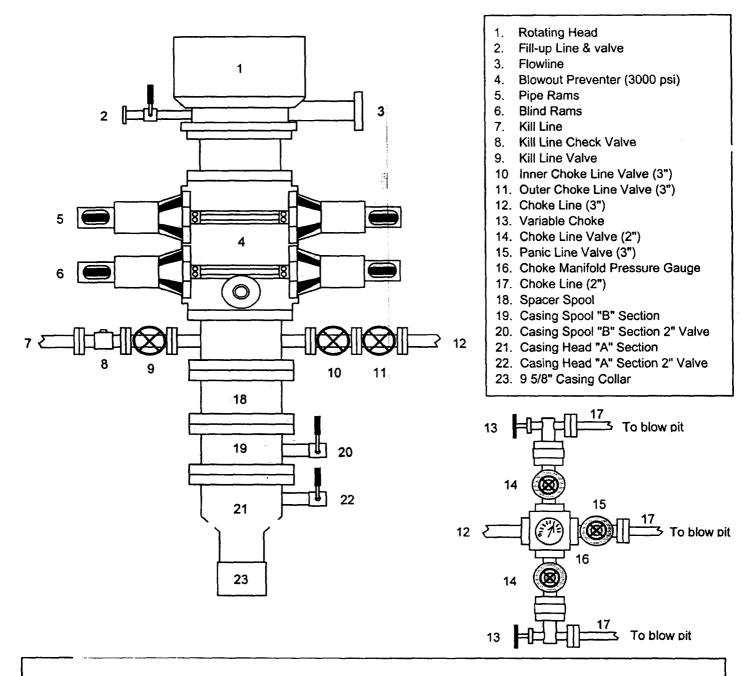
Lead Cement Required 384.4 sx Tail Cement Required 50.0 sx

LINER TOP 3339

SHOE 3359 ', 20 ppf,

LINER BOTTOM 3629 '

BLOWOUT PREVENTER HOOKUP



Drilling contractors used in the San Juan Basin suppy 3000 psi equipment, but cannot provide annular preventors because of sub-structure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP system. The above diagram of the BOP system details 2000 psi equipment according to Onshore Order No. 2 even thought the equipment will test to 3000 psi. The 2000 psi system allows deletion of the annular preventor and fulfills your requirements.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. Upper Kelly cock Valve with handle
- 2. Stab-in TIW valve for all drillstrings in use