Form 3169-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

5.	Lease Serial No.
	NMSF078999

ADDL ICA	ATION FOR	DEDMIT TO	DOLL	OR REENTER
APPLICA	ALION FOR	CPERMII IU	DRILL	UK KEENTEK

6. If Indian, Allottee or Tribe Name DRILL REENTER la. Type of Work: 7. If Unit or CA Agreement, Name and No. Lease Name and Well No **SAN JUAN 31-6 UNIT 230A** Oil Well Other: CBM 1b. Type of Well: Multiple Zone Gas Well Single Zone Name of Operator
CONOCOPHILLIPS COMPANY Contact: PATSY CLUGSTON 9. API Well No. E-Mail: plclugs@ppco.com SO 0392740 Field and Pool, or Exploratory 3b. Phone No. (include area code) Ph: 505.599.3454 3a. Address 5525 HWY, 64 BASIN FRUITLAND COÁL FARMINGTON, NM 87401 Fx: 505-599-3442 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 SESE 870FSL 1040FEL 36,86583 N Lat, 107,44420 W Lon At surface Sec 27 T31N R6W Mer NMP At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 12. County or Parish RIO ARRIBA 13. State 57.1 MILES FROM BLOOMFIELD, NM NM Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 17. Spacing Unit dedicated to this well 16. No. of Acres in Lease 870' 2560.00 Distance from proposed location to nearest well, drilling, 9. Proposed Depth 20. BLM/BIA Bond No. on file completed, applied for, on this lease, ft. 3302 MD ES0085 3302 TVD 21. Elevations (Show whether DF, KB, RT, GL, etc. 23. Estimated duration 22. Approximate date work will start 6447 GL 05/01/2003 30 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

Well plat certified by a registered surveyor.

A Drilling Plan.

- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) PATSY CLUGSTON	Date 03/11/2003
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) /S/ David J. Mankiewicz	Name (Printed/Typed)	MAR 3 1 2003
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 #19419 verified by the BLM Well Information System For CONOCOPHILLIPS 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 I P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mevico Energy, Minerals & Natural Fescu ses Department

Form C-102

811 South First, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

Revised Febuary 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease — 4 Copies
Fee Lease — 3 Copies

PROFESSIONE

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

DISTRICT III

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

	MAL, ARLEC	c. N.M. 87410 Santa Fe, NM 87504-2088 Fee Lease - 3 Copies									
DISTRICT IV 2040 South Pach	eco, Sante	Fe, NM 8750	2088							AMEN	DED REPOR
			WELL]	LOCATI	ON AND	AC	CREAGE DED	ICATION P	LAT		
					*Pool Code Pool Name 71629 Basin Fruitland Coal						
⁴ Property Code				Property Name				·	Wall Number		
31328				SAN JUAN 31-6 UNIT			230A				
*OGRID No 217817	•.	•		PHTT	-		Name			_	Elevation 447
	217817 PHILLIPS PETROLEUM COMPANY 64 Surface Location						7447				
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PHILLIPS PETROLEUM COMPANY

WEL	L NAME: San Juan 31-6 Unit #230A
DRIL	LING PROGNOSIS
1.	Location of Proposed Well: Unit P, 870' FSL & 1040' FEL Section 27, T31N, R6W
2.	Unprepared Ground Elevation: @ 6447'
3.	The geological name of the surface formation is San Jose
4.	'ype of drilling tools will be <u>rotary</u>
5.	Proposed drilling depth is 3302'.
6 .	The estimated tops of important geologic markers are as follows: Naciamento - 1362' Dio Alamo - 2507' Kirtland - 2612' Fruitland - 2997' Top of Coal - 3112' T. D 3302'
7 .	The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:
	Water: Ojo Alamo - 2507' - 2612' Oil: none Gas: Fruitland Coal - 3112' - 3452' Gas & Water: Fruitland Coal - 3112' - 3452'
8.	The proposed casing program is as follows:
	Surface String: 9-5/8", 32.3#, H-40 @ 200' * Intermediate String: 7", 20#, J/K-55 @ 3092' Production Liner: 5-1/2", 15.5# J/K-55 @ 3072' - 3302'see details below) * The surface casing will be set at a minimum of 200', but could be set deeper in required to maintain hole stability.
9.	Cement Program: Surface String: 112.5 sx - 13.5 ppg, Class G cement + 0.25#/sx D029 (loss circulation), 4% S001 (accelerator) & 4% D020 (extender) Yield = 1.27 ft3/sx Volume from 235 feet to surface with 100% excess = 29.4

9. Cement program: (continued from Page 1)

> Intermediate String: Lead – 386.5 sx – 11.7 ppg, Class G cement + 0.25#/sx D029 (lost circulation), 3% D0079 (extender), 0.2% D046 (anti-foam), Yield -2.61 ft3/sx, Mis water = 15.79 gal/sx. Volume from 2925' to surface with 150% excess in open hole = 179.65 bbls.

> > Tail - 96.8 sx - 13.5 ppg, 50/50 Class G/POZ + 0.25 #/sxD029(lost circulation), 5#sx D024 (lost circulation), 5#/sx D024 (extender), 2% D020 (extender), 2% S001 (accelerator), 0.1% D046 (anti-foam). Yield -1.27 ft3/sx, Mix water = 6.33 gal/sx. Volume from 3697' to 2925' with 150% excess - 21.89 bbls.

Note: ConocoPhillips Company continually works to improve the cement slurries on our wells. Our Cementing Service Companies are 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.

Curbulators: Total three (3) - one at 1st it below Oio 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. The top of the liner will be set approx. 200' into the 7" casing and be set @ TD and be cement in place as follows:

Lead Cement: Class G cement + 0.25#/sx D029 (lost circulation), 3% D0079 (extender), 0.2% D046 (anti-foam), Yield - 2.61 ft3/sx, Mis water = 15.79 gal/sx. Volume from 2925' to surface with 150% excess in open hole

Tail Cement: 50/50 Class G/POZ + 0.25#/sx D029(lost circulation), 5#sx D024 (lost circulation), 5#/sx D024 (extender), 2% D020 (extender), 2% S001 (accelerator), 0.1% D046 (anti-foam). Yield -1.27 ft3/sx, Mix water =6.33 gal/sx. Volume with 150% excess.

San Juan 31-6 #230A

SURFACE CASING:

Drill Bit Diameter 12.25 "
Casing Outside Diameter 9:625 "
Casing Weight 32:3 ppf
Casing Grade H-40
Shoe Depth 200 '

Shoe Depth Z00 '
Cement Yield 27 cuft/sk
Excess Cement 100 %

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

40

45

Cement Required 112.5 s:

ธทบ⊑ 200 ', 9.625 ", 32.3 ppf, H-40

INTERMEDIATE CASING:

Drill Bit Diameter 8.75 " 7 " Casing Outside Diameter Casing Weight 20 ppf Casing Grade J-55 Shoe Depth 3092 ' Lead Cement Yield 2.61 cuft/sk **Lead Cement Excess** 150 % 300 ' Tail Cement Length

Tail Cement Yield 1.27 cuft/sk
Tail Cement Excess 150 %

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

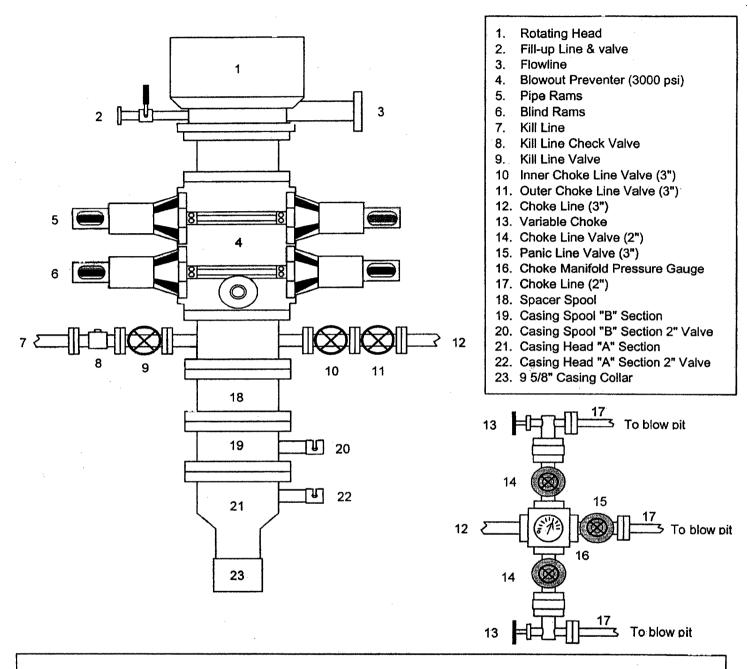
Lead Cement Required 386.5 sx Tail Cement Required 96.8 sx

LINER TOP 3072

SHOE 3092', 7", 20 ppf, J-55

LINER BOTTOM 3302 '

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

San Juan 31-6 Unit # 230A SF-078999; Unit P, 870' FSL & 1040' FEL Section 27, T31N, R6W; Rio Arriba County, NM

Cathodic Protection

Phillips proposes to drill a cathodic protection deep well groundbed for the subject well. Will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on existing well pad and a Farmington based company will be doing the drilling for Phillips.