Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR RURFALLOF LAND MANAGEMENT

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

, DEPARIMENT OF I	THE INTERIOR		
BUREAU OF LAND	5. Lease Serial No. NMSF078282		
APPLICATION FOR PERMIT	6. If Indian, Allottee or Tribe Name		
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement, Name and No.	
/ 1b. Type of Well: ☐ Oil Well Gas Well ☐ Otl	her Single Zone 🙀 Multiple Zone	8. Lease Name and Well No. SAN JUAN 29-5 UNIT 32F	
2. Name of Operator CONOCOPHILLIPS COMPANY	PATSY CLUGSTON E-Mail: plclugs@ppco.com	9. API Well No. 30039 27538	
3a. Address 5525 HWY. FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 505.599.3454 Fx: 505-599-3442	10. Field and Pool, or Exploratory BASIN DK & BLANCO MV	
4. Location of Well (Report location clearly and in accorde	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area	
At surface SENW 2255FNL 2120FWL At proposed prod. zone	_ 36.69768 N Lat, 107.38191 W Lon	FSec 29 T29N R5W Mer NMP SME: BLM	
14. Distance in miles and direction from nearest town or post 37.5 MILES EAST OF BLOOFIELD, NM		12. County or Parish 13. State RIO ARRIBA NM	
 Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 	16. No. of Acres in Lease DEC 2003	17. Spacing Unit dedicated to this well 320.00 W/5	
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth 8067 MD 8067 TVD	20. BLM/BIA Bond No. on file ES0085	
21. Elevations (Show whether DF, KB, RT, GL, etc. 6649 GL	22. Approximate date work will start 01/01/2004	23. Estimated duration 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 Sys SUPO shall be filed with the appropriate Forest Service Of 	Item 20 above). tem Lands, the 5. Operator certification	ons unless covered by an existing bond on file (see formation and/or plans as may be required by the	
25. Signature (Electronic Submission)	Name (Printed/Typed) PATSY CLUGSTON	Date 11/24/2003	
Title AUTHORIZED REPRESENTATIVE			
Approved by (Signature)	Name (Printed/Typed)	Date	
Title /	Office	DEC 19 2003	
Application approval does not warrant or certify the applicant ho	l olds legal or equitable title to those rights in the subject le	ease which would entitle the applicant to conduct	
operations thereon. Conditions of approval, if any, are attached.			

Additional Operator Remarks (see next page)

Electronic Submission #25452 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Farmington

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

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

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

HOLD CION FOR VSL-IN Basin Da Kotal NMOCD

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

District II PO Orawer DO, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 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

30-039-1	72319 \ 71599	BLANCO MESAVERDE \ BASIN DAKOTA
'Property Code 31325		Property Name "Well Number UAN 29-5 UNIT 32F
'OGRID No. 217817		Operator Name *Elevation** PHILLIPS COMPANY 6649
	. 10 Sur	face Location

Li or lot no.	Section 29	29N	Flange 5W	Lot Idn	2255	NORTH	Feet from the 2120	WEST	RIO ARRIBA
		11 6	3ottom	Hole L	ocation I	f Different	From Surf	ace	
UL or lating.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Mest line	County
	ļ		ļ			·	·		
12 Decirated Acres	320.0	Acres	- W/2	(MV)	¹³ Joint or Infili	M Consolidation Code	# Order No.		
		Acres		(DK)	(1	,		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

OT A THAT DIRECTO ONLY TWO DEED AT THE DIFFICION						
15		5287.92°		, , , , , , , , , , , , , , , , , , ,		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to, the best of my knowledge and belief
		B				Licki Westly
• .		2			• [Vicki R. Westby
		 			\dashv	Printed Name Sr. Analyst
, Li	LAT: 36 41.8605 N DNG: 107 22 9145 W DATUM: NAD27					November 19, 2003
7	120'	6		transcription		SURVEYOR CERTIFICATION
5280.00		− 29 ⁄	<u> </u>	??? <u>~</u>	5280.00	I hereby certify that the well location shawn on this plat was plotted from field notes of actual surveys made by me or under my expervision, and that the sees is true and correct to the best of my belief.
ពី '			DEC		iñ	Survey Date: SEPTEMBER 15, 2003
Si	-078282		200		- 1	Signature and Seal of Professional Surveyor
•						SPECIAL DE
			?& <u>49</u>	S.M.S. C. S.M.		THE STEERS TO A STEER STONE AS THE STEER STEER STONE AS THE STEER STEER STONE AS THE STEER STEER STEER STONE AS THE STEER ST
		5293.20				JASON C. EDWARDS Certificate Number 15269

CONOCOPHILLIPS COMPANY

WELI	L NAMŒ:	San Juan 29	-5 Unit #32F (MV/DK)					
DRIL	LING PROGNOSIS	\$						
1.	Location of Propose		F, 2255' FNL & 2120' FWL on 29, T29N, R5W	_ _				
2.	Unprepared Ground	Elevation:	@ 6649' (unprepared) .					
3.	The geological nam	e of the surface	formation is <u>San Jose</u> .					
4.	Type of drilling tools will be <u>rotary</u> .							
5.	Proposed drilling de	epth is <u>8067'</u> .						
 7. 	Nacimiento - Ojo Alamo - Kirtland Sh - Fruitland Fm 3 Pictured Cliffs - Lewis Shale - Cliffhouse -	1487' 2782' 2962' 3577' 3777' 5312' ths at which a		other mineral bearing				
8.	Production String: _	5/8", 32.3# H-40 : 7", 20#, J-55 (only casing ava 4-1/2", 11.6#, I- g will be set at a	0 @ 200' * @ 3877' (J-55 will be used, ilable)					

9. Cement Program:

Surface String:

130 sx 50/50 POZ, + 2% Bentonite, 3% CaCl2, 5#/sx Gilsonite, 0.25#/sx Cellophane flakes, & 0.2% CFR-3 Friction Reducer (1.34 <u>yield = 174 cf)</u>; Cement density – 13.5 ppg. Water required 5.39 gal/sx. Compressive Strength - Sample cured at 70 deg F for 8 hours; 3 hrs 05 min. 50 psi; 7 hrs 45 min 500 psi; cement to surface w/150% excess of casing/hole annulus volume.

Intermediate String:

Lead Cement: 392 sx Standard cement + 3% Econolite (extender) + 10#/sx Pheno-seal; (2.88 yield = 1129 cf). Cement Density 11.5 ppg; Water required - 16.91 gal/sx. Compressive strength -Sample cured at 130 deg F for 24 hrs - 1 hr 47 min - 50 psi; 12 hrs - 350 psi; 24 hrs - 450 psi; Cement to surface with 150% excess of casing/hole annulus volume.

Tail Cement: 226 sx 50/50 POZ - Standard cement + 2% Bentonite + 6#/sx Pheno Seal; (1.33 yield = 301 cf); Cement Density - 13.5 ppg; Water required - 5.52 gal/sx; Compressive strength - Sample cured at 130 deg F for 24 hrs - 2 hrs 5 min - 50 psi; 2 hr 6 min - 500 psi; 12 hr - 1250 psi; 24 hrs - 1819 Cement to surface with 150% excess of casing/hole annulus volume.

Production String *: Cement: 461 sx 50/50 POZ - Standard cement + 3% Bentonite + 5#/sx PhenoSeal + 0.2% CFR-3 Friction Reducer + 0.1% HR-5 Retarder + 0.8% Halad-9 Fluid Loss Additive (1.45 Yield - 668.5 cf) Cement density - 13.1 ppg; Water required 6.47 gal/sx; Compressive Strength - Sample cured at 200 de F for 23 hrs; 9 hr 50 min - 50 psi; 13 hrs 45 min - 500 psi; 16 hrs - 1500 psi; 23 hrs 2525 psi.

*The production easing 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) - 1st joint - 10' above the shoe & 1 at the top of the 2nd, 3rd and 4th joints latched over the casing collar

Intermediate: Total seven (9) – 10' above shoe, top of 2nd, 4^{th} , 6^{th} , & 8^{th} , 10^{th} its & 10th 1 it. above surface casing, and on first two casing collars below the wellhead. .

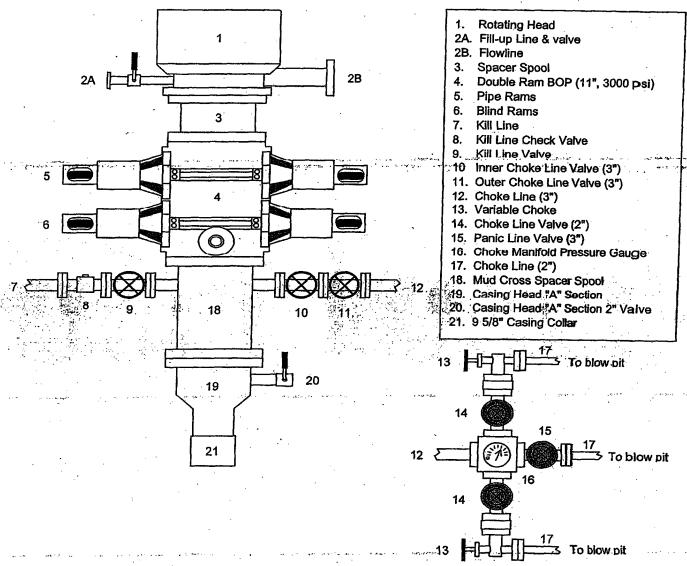
Production:

None planned.

Turbulators:

Total Three (3) – on intermediate casing at 1st it, below the Oio Alamo and next 2 its up.

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing

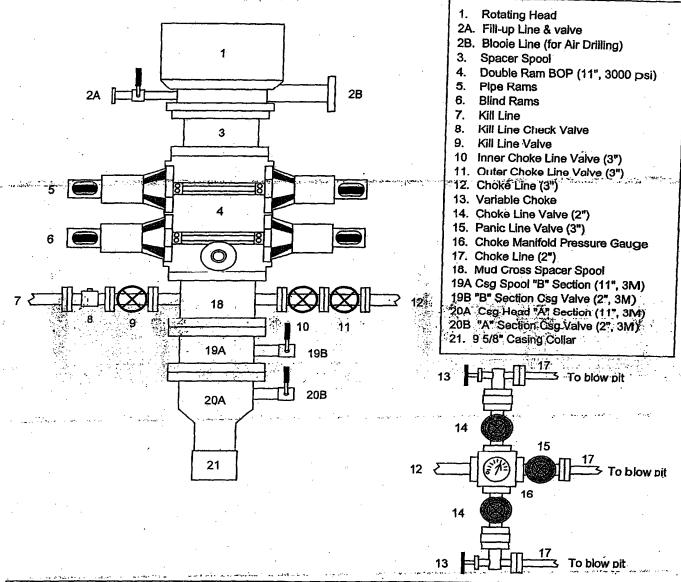


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 2-3 minutes and to 1000 psi (high pressure test) for 10 minutes. Then the test plug will be removed and the 9-5/8" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 2-3 minutes and to 1000 psi for 30 minutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). An 8-3/4" hole will be drilled to intermediate casing point and 7" casing will be run and cemented.

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

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Drilling to TD and Setting 4.5 inch Casing



After the 7" intermediate casing has been run and cemented, the Casing Spool ("B" Section) will be installed on the wellhead ("A" Section) and the BOP will be installed on the Casing Spool. A test plug will be set in the wellhead and the pipe rams, blind rams, and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 2-3 minutes and to 3000 psi (high pressure test) for 10 minutes. Then the test plug will be removed and the 7" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 2-3 minutes and to 1800 psi for 30 minutes - this test pressure is 48% of the minimum internal yield strength of 3740 psi for the 7", 20#, J-55, STC casing. Then we will air drill the 6-1/4" hole to TD and run and cement the 4-1/2" casing.

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 29-5 Unit #32F NMSF078282; Unit F, 2255' FNL & 2120' FWL Section 29, T29N, R5W; Rio Arriba County, NM

· Cathodic Protection

ConocoPhillips 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 ConocoPhillips.

See attached drawing on proposed placement of groundbed & underground AC & DC cables and rectifier.