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

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

District II PO Drawer DD, 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 DIAT

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CONOCOPHILLIPS COMPANY

WELI	NAME:	San Juan 29-6 Unit #218A – HPA well							
ndii i	LING PROGNOSIS								
1.	Location of Proposed	Well: Unit D, (NWNW), 865' FNL & 1060' FWL							
		Section 5, T29N, R6W							
2.	Unprepared Ground I	Elevation: <u>@ 6783'</u> .							
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 dep	th is3740'							
6.	The estimated tops of	f important geologic markers are as follows:							
	Naciamento - 14	Base of lowest Coal – 3676'							
	Ojo Alamo - 27	70' <u>PC Interval - 3710'</u>							
	Kirtland - 29	Intermediate casing – 3448'							
	Fruitland - 33	90' <u>Total Depth - 3740'</u>							
**	繁 4								
	TD includes 64' of sump/rathole & COPC will comply with the BLM/OCD's Conditions								
		roposed sump/rathole in this non-producing Pictured Cliffs							
	Formation.								
7.	The estimated denth	as at which anticipated water, oil, gas or other mineral bearing							
		ted to be encountered are as follows:							
	·								
	Water:	Ojo Alamo - 2770' - 2935'							
	Oil:	none							
	Gas:	Fruitland Coal - 3390' - 3676'							
	Gas & Water:	Fruitland Coal - 3390' - 3676'							
8.	The proposed casing	program is as follows:							
	Surface String: 9-5/	<u>'8", 32.3#, H-40 @ 200' *</u>							
	Intermediate String: 7	7", 20#, J/K-55 @ 3448'							
	Production Liner: <u>5</u> -	-1/2", 15.5# J/K-55 @ 3428' - 3740' (see details below)							
	* The surface casi	ng will be set at a minimum of 200', but could be set deeper if							
	required to maintain l								
	required to maintain i	tole staulity.							
9.	Cement Program:	1 do Commit							
<i>)</i> •	Surface String:	150.2 sx class G cement with 2% bwoc CaCl2 (S001), 0.25#/sx							
		.16 cuft/sx vield = 174.27 cf							

9. Cement program: (continued from Page 1)

Intermediate String:

Circulate Cement

Lead Cement: 437.8 sx Class G w/3% D079 (Extender) 0.25#/sx D029 (Cellephone flakes, + 0.2% D046 Flocele (All purpose antifoam agent) mixed at 11.7 ppg and yield of 2.61 cuft/sx = 1142.79 cf.

Tail: 96 sx - 50/50/G/POZ cement w/2% D020 (Bentonite Extender), 2% S001 (CaCl2), 5#/sxD024 (Gilsonite), ½#/sx D029 (Celephane flakes) & 2% D046 (all purpose antifoam agent) @ a weight of 13.5 ppg and yield of 1.27 cuft/sx = 122.29 cf.

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.

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

Liner:

• A 5 ½" 15.5# liner will be run in the open hole without being cemented.

Completion - depending on well conditions the:

- Well will either be cavitated and a 5-1/2" liner will be run without being cemented, or
- Well will be underreamed, tubing will be set and cavitated at a later date.
- The minimum specifications for pressure control equipment which are to be used, a 10. 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

13. Anticipated no abnormal pressures or temperatures to be encountered or any other potential hazards such as Hydrogen Sulfide Gas. Low risk H₂S equipment will be used.

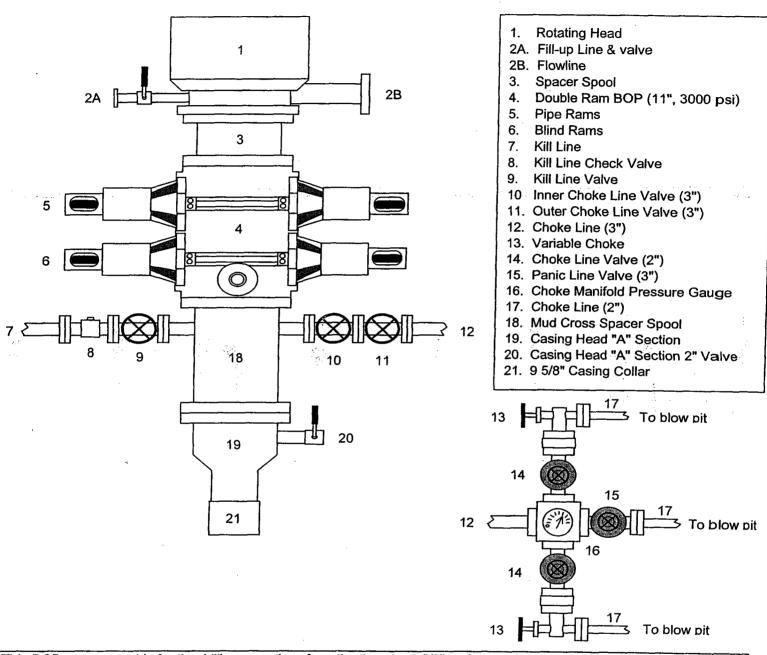
Estimated Bottomhole pressures: Fruitland Coal - +/- 100 psi

- 14. The anticipated starting date is sometime around October 30, 2003 with duration of drilling operations for approximately 30 days thereafter.
- 15. Since this well falls within the High Productivity Area and according to NMOCD Order R-8768-F, the "Affected Parties" will be notified by Certified Mail. This notification will be put in the mail on 9/22/03 and the "Affected Parties will have 20 days to file their written objection to the proposed Application for permit to Drill to the NMOCD in Aztec. See attached copy of letter to "Affected Parties."

2003drill\ 296#218A newest drill prog-cav.doc

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing



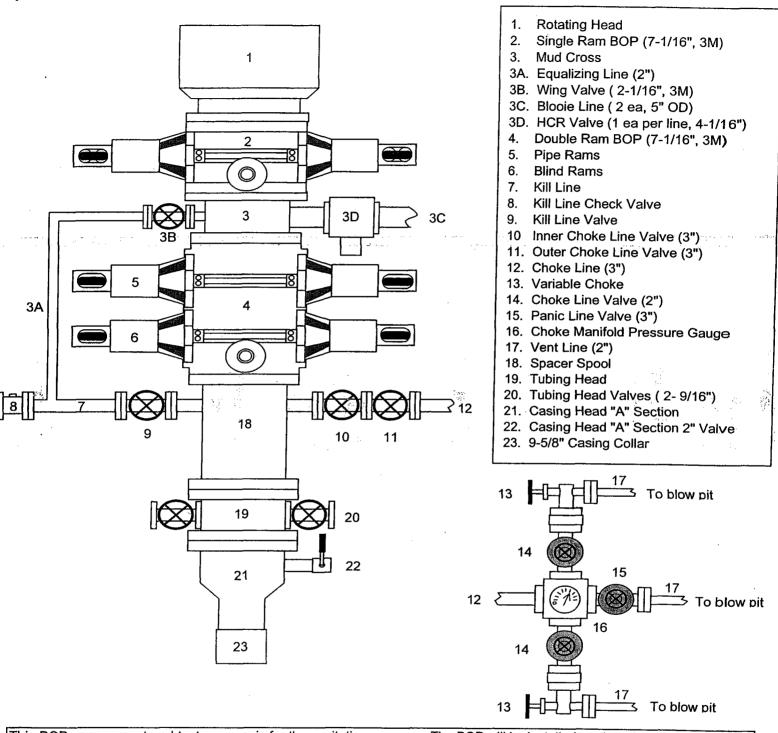
This BOP arrangement is for the drilling operations from the time the 9-5/8" surface casing is set through the setting of the 7" intermediate casing. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. The Pipe Rams, Blind Rams, Choke Manifold, and 9-5/8" surface casing will be tested to a low pressure test of 200 psi to 300 psi and to a high pressure test of 1000 psi (this value is 44% of the minimum internal yield pressure of the 9-5/8" casing). We will drill the 8-3/4" hole to intermediate casing point and run and cement the 7" intermediate casing. Then we will nipple down the BOP, install a trash cap, & move out the drilling rig. We will install the casing spool on the 7" stub after the drilling rig is moved off location. At a later date we will move in the cavitation rig for the cavitation program.

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 Cavitation Program



This BOP arrangement and test program is for the cavitation program. The BOP will be installed on the tubing head. 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. The pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 2-3 minutes and to 1800 psi (high pressure test) for 10 minutes - This test will be done with a test plug or possibly without a test plug (ie against casing). If we conduct this test without a test plug we will ensure that we have sufficient drillstring weight in the hole to exceed the upward force generated by the test.

We use a power swivel and air/mist to drill the 6-1/4" hole in our cavitation program. We do not use a kelly. In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. String floats will be used inside the drillpipe
- 2. Stab-in TIW valve for all drillstrings in use
- 3. Each blooie line is equipped with a hydraulically controlled valve (HCR valve).

San Juan 29-6 Unit #218A NMSF080379A – Unit D, 865' FNL & 1050' FWL Section 5, T29 R6; 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.