

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

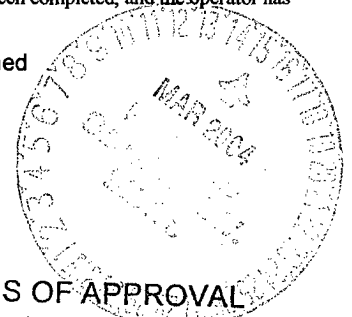
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078997
2. Name of Operator CONOCOPHILLIPS COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 5525 HIGHWAY 64 FARMINGTON, NM 87401		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505.599.3454 Fx: 505-599-3442		8. Well Name and No. SAN JUAN 30-5 UNIT 78M
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T30N R5W NESE 1980FSL 835FEL 36.82528 N Lat, 107.39190 W Lon		9. API Well No. 30-039-27033-00-X1
		10. Field and Pool, or Exploratory BASIN DAKOTA MESAVERDE POINT LOOKOUT
		11. County or Parish, and State RIO ARRIBA COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once 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.)

ConocoPhillips wishes to change the cement program submitted with the original APD. See attached for the new proposed well schematic and cement slurries. The TD also changed by 1 foot on this well, but the casing size & grade remain the same.



**CONDITIONS OF APPROVAL**  
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #28626 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Farmington Committed to AFMSS for processing by ADRIENNE GARCIA on 03/08/2004 (04AXG2006SE)	
Name (Printed/Typed) PATSY CLUGSTON	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 03/08/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <u>[Signature]</u>	Title <u>Petr. Eng.</u>	Date <u>3/10/04</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**NMOCd**

**San Juan 30-5 # 78M**

**SURFACE CASING :**

Drill Bit Diameter	220	"	
Casing Outside Diameter	9.625	"	Casing Inside Diam. 7.601"
Casing Weight	32.3	ppf	
Casing Grade	H-40		
Shoe Depth	220	'	
Cement Yield	150	cuft/sk	
Excess Cement	150	%	
Cement Required	150	sx	

SHOE 220 ', 9.625 ", 32.3 ppf, H-40 STC

**INTERMEDIATE CASING :**

Drill Bit Diameter	3397	"	
Casing Outside Diameter	7	"	Casing Inside Diam. 4.000"
Casing Weight	20	ppf	
Casing Grade	J-55		
Shoe Depth	3397	'	
Lead Cement Yield	150	cuft/sk	
Lead Cement Excess	150	%	
Tail Cement Length	150	'	
Tail Cement Yield	150	cuft/sk	
Tail Cement Excess	150	%	
Lead Cement Required	150	sx	
Tail Cement Required	150	sx	

SHOE 3397 ', 7 ", 20 ppf, J-55 STC

**PRODUCTION CASING :**

Drill Bit Diameter	7807	"	
Casing Outside Diameter	4.5	"	Casing Inside Diam. 4.000"
Casing Weight	11.6	ppf	
Casing Grade	I-80		
Top of Cement	200'	inside intermediate casing	
Shoe Depth	7807	'	
Cement Yield	50	cuft/sk	
Cement Excess	50	%	
Cement Required	50	sx	

SHOE 7807 ', 4.5 ", 11.6 ppf, I-80 STC

Sandston 80-5 x 43M			
	Surf. Cas.	Int. Cas.	Prod. Cas.
Op.	9625	7	4.5
ID	19.001	6.456	4.000
Depth	220	3397	7807
Hole Diam.	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	150	150	50
Lead (ft)			
Tail (ft)	132		
Area (sq ft)	220	679.4	4610
Top of Tail String	0	2717.6	3197
Top of Lead String	N/A	0	N/A
Width (in)	8.9	9.0	air drill
Width (in)	WBM	WBM	air drill

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sq
Open Hole Annulus	220	0.055804	2.5	30.7	172.3	128.6
Shoe Track Volume	40	0.078735	1	3.1	17.7	13.2
Total				33.8	190.0	141.8

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sq
Lead Open Hole Annulus	2497.6	0.026786	2.5	167.3	939.0	326.1
Lead Cased Hole Annulus	220	0.031116	1	6.8	38.4	13.3
Total Lead				174.1	977.4	339.4
Tail Open Hole Annulus	679.4	0.026786	2.5	45.5	255.4	192.1
Tail Shoe Track Volume	42	0.040505	1	1.7	9.6	7.2
Total Tail				47.2	265.0	199.3

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sq
Open Hole Annulus	4410	0.018282	1.5	120.9	679.0	468.3
Cased Hole Annulus	200	0.020826	1	4.2	23.4	16.1
Total				125.1	702.4	484.4

San Juan 30-3-72M		
9 7/8" Surface Casing		
Cement Recipe	50% 50 P.O. Standard Cement	
	+ 2% Barite	
	+ 3% Calcium Chloride	
	+ 5 lb/sx Gilsontite	
	+ 0.25 lb/sx Cellophane Flakes	
	+ 0.2% GR-3 Friction Reducer	
Cement Volume	1.0	cu ft/sx
Cement Yield	1.34	cu ft/sx
Cement Volume	1.0	cu ft
Cement Density	13.5	ppg
Water Required	5.39	gal/sx
Compressive Strength		
Sample cured at 70 deg F for 8 hrs		
3 hrs 05 min	50	psi
7 hrs 45 min	500	psi

San Juan 30.5 / 8.5

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Standard Cement + 3% Econolite (extender) + 10 lb/sx Pheno Seal	
Cement Required	2.88	bx
Cement Yield	2.88	cuft/sx
Slurry Volume	2.88	cuft
		bbls
Cement Density	11.6	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 hr	350	psi
24 hr	450	psi

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	50/ 50 POZ Standard Cement + 2% Bentonite + 6 lb/sx Pheno Seal	
Cement Required	1.00	bx
Cement Yield	1.33	cuft/sx
Slurry Volume	2.65	cuft
	2.65	bbls
Cement Density	13.5	ppg
Water Required	5.52	gal/sx
Compressive Strength		
Sample cured at 130 deg F for 24 hrs		
2 hr 05 min	50	psi
4 hr 06 min	500	psi
12 hr	1250	psi
24 hr	1819	psi

SAB 01111 3010 # 20M		
4 1/2" Production Casing		
Cement Recipe	50 / 60 POZ Standard Cement	
	+ 3% Bentonite	
	+ 5 lb/sx PhenoSeal	
	+ 0.2% CFR-3 Friction Reducer	
	+ 0.1% HR-5 Retarder	
	+ 0.8% Halad-9 Fluid Loss Additive	
Cement Quantity	28	sx
Cement Yield	1.45	cuft/sx
Cement Volume	0.22	cuft
Cement Density	13.1	ppg
Water Required	6.47	gal/sx
Compressive Strength		
Sample cured at 200 deg F for 23 hrs		
9 hr 50 min	50	psi
13 hr 45 min	500	psi
16 hr	1500	psi
23 hr	2525	psi

## **BLM CONDITIONS OF APPROVAL**

**Operator:** ConocoPhillips Company

**Well Name:** San Juan 30-5 Unit 78M

**Legal Location:** 1980' FSL, 835' FEL; sec. 7, T30N, R5W

**Lease No.:** NMSF 078997

Please adhere to the previously issued stipulation:

**The required wait on cement (WOC) time will be a minimum of 250 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated.**