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

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.

5. Lease Serial No.
NMSF078997

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SJ 30-5 50M

2. Name of Operator
CONOCOPHILLIPS COMPANY
Contact: PATSY CLUGSTON
E-Mail: plclugs@ppco.com

9. API Well No.
30-039-27085-00-X1

3a. Address
5525 HIGHWAY 64
FARMINGTON, NM 87401

3b. Phone No. (include area code)
Ph: 505.599.3454
Fx: 505-599-3442

10. Field and Pool, or Exploratory
BASIN DAKOTA

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 6 T30N R5W SESE 660FSL 660FEL
36.83611 N Lat, 107.39140 W Lon

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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.

MAR 2004

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #28629 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 (04AXG2008SE)

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 — Title Pet. Eng — Date 3/10/04

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.

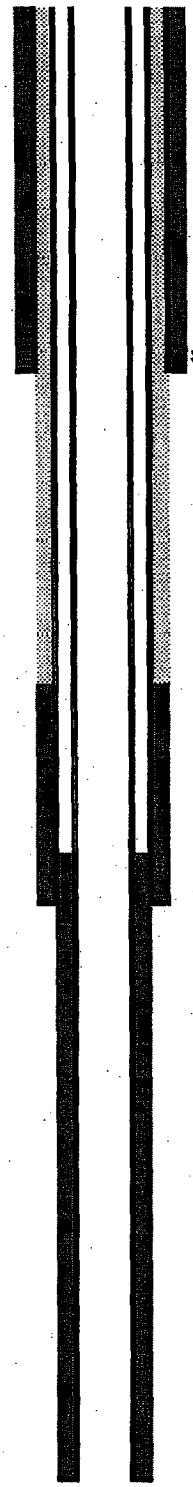
Office

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 # 50M



SURFACE CASING :

Drill Bit Diameter	[redacted]	"
Casing Outside Diameter	[redacted]	" Casing Inside Diam. [redacted] "
Casing Weight	[redacted]	ppf
Casing Grade	[redacted]	
Shoe Depth	220	'
Cement Yield	[redacted]	cuft/sk
Excess Cement	150	%
Cement Required	[redacted]	**sx**

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

INTERMEDIATE CASING :

Drill Bit Diameter	[redacted]	"
Casing Outside Diameter	[redacted]	" Casing Inside Diam. [redacted] "
Casing Weight	[redacted]	ppf
Casing Grade	[redacted]	
Shoe Depth	3504	'
Lead Cement Yield	[redacted]	cuft/sk
Lead Cement Excess	150	%
Tail Cement Length	[redacted]	'
Tail Cement Yield	[redacted]	cuft/sk
Tail Cement Excess	150	%
Lead Cement Required	[redacted]	**sx**
Tail Cement Required	[redacted]	**sx**

SHOE 3504 ', 7 ", 20 ppf, J-55 STC

PRODUCTION CASING :

Drill Bit Diameter	[redacted]	"
Casing Outside Diameter	[redacted]	" Casing Inside Diam. [redacted] "
Casing Weight	11.6	ppf
Casing Grade	I-80	
Top of Cement	[redacted]	' 200' inside intermediate casing
Shoe Depth	7864	'
Cement Yield	[redacted]	cuft/sk
Cement Excess	50	%
Cement Required	[redacted]	**sx**

SHOE 7864 ', 4.5 ", 11.6 ppf, I-80 STC

San Juan 30-5 #90M			
	Surf Csg	Int Csg	Prod Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	220	3504	7864
Hole Diam	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	150	150	50
Lead Yield		2.33	
Tail Yield	1.31	1.5	1.96
Btm of Tail Slurry	220	700.8	4560
Top of Tail Slurry	0	2803.2	3304
Top of Lead Slurry	N/A	0	N/A
Mud Wt (ppg)	8.9	9.0	air drill
Mud Type	WBM	WBM	air drill

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
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	sx
Lead Open Hole Annulus	2583.2	0.026786	2.5	173.0	971.2	337.2
Lead Cased Hole Annulus	220	0.031116	1	6.8	38.4	13.3
Lead Total				179.8	1009.6	350.6
Tail Open Hole Annulus	700.8	0.026786	2.5	46.9	263.5	198.1
Tail Shoe Track Volume	42	0.040505	1	1.7	9.6	7.2
Tail Total				48.6	273.0	205.3

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	4360	0.018282	1.5	119.6	671.3	463.0
Cased Hole Annulus	200	0.020826	1	4.2	23.4	16.1
Total				123.8	694.7	479.1

San Juan 30-5 # 50M		
9 5/8 Surface Casing		
Cement Recipe	50 / 50 POZ Standard Cement	
	+ 2% Bentonite	
	+ 3% Calcium Chloride	
	+ 5 lb/sx Gilsonite	
	+0.25 lb/sx Cellophane Flakes	
	+ 0.2% CFR-3 Friction Reducer	
Cement Volume	142	sx
Cement Yield	1.34	cuft/sx
Cement Volume	190.6	cuft
Cement Density	13.5	ppg
Water Required	5.39	gal/sx
Compressive Strength		
Sample cured at 70 deg F for 8 hrs		
3hrs 05 min	50	psi
7hrs 45 min	500	psi

San Juan 30-5 #40M

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Standard Cement	
	+ 3% Econolite (extender)	
	+ 10 lb/sx Pheno Seal	
Cement Required	[redacted]	sx
Cement Yield	2.88	cuft/sx
Slurry Volume	[redacted]	cuft
	[redacted]	bbls
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 hr	850	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	[redacted]	sx
Cement Yield	1.33	cuft/sx
Slurry Volume	[redacted]	cuft
	[redacted]	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

	San Juan 30-5 # 90W	
	4 1/2" Production Casing	
Cement Recipe	50/50 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	[redacted]	sx
Cement Yield	1.45	cuft/sx
Cement Volume	[redacted]	cuft
	[redacted]	
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 50M
Legal Location: 660' FSL, 660' FEL; sec. 6, 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.