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.
NMSF079289A

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 28-7 233F

2. Name of Operator
CONOCOPHILLIPS COMPANY
Contact: VICKI WESTBY
E-Mail: Vicki.R.Westby@conocophillips.com

9. API Well No.
30-039-26967-00-X1

3a. Address
PO BOX 2197 WL3 6054
HOUSTON, TX 77252

3b. Phone No. (include area code)
Ph: 915.368.1352

10. Field and Pool, or Exploratory
BASIN DAKOTA
MESAVERDE POINT LOOKOUT

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 14 T28N R7W NWNW 155FNL 270FWL

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 A 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 requests to change the drilling plan for this well as shown in the attached documents.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #34772 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 08/25/2004 (04AXB3237SE)

Name *(Printed/Typed)* VICKI WESTBY — Title AGENT

Signature (Electronic Submission) — Date 08/18/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Jim Lovato — Title Petr. Eng. — Date 8/27/04

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

ConocoPhillips

San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-7 233F

Lease:	AFE #:			AFE $:
Field Name: EAST 28-7	Rig:	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glaser, Terry J	Phone: (281) 293 - 6538	Prod. Engineer: Moody, Craig E.		Phone: (281) 293 - 6559
Res. Engineer: Valvatne, Christine K.	Phone:	Proj. Field Lead:		Phone: (281) 293 - 6517

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface

Latitude: 36.67	Longitude: -107.55	X:	Y:	Section: 14	Abstract: 7W
Footage X: 270 FWL	Footage Y: 155 FNL	Elevation: 6177 (FT)	Survey: 28N		

Tolerance:

Location Type: Year Round | Start Date (Est.): | Completion Date: | Date In Operation:

Formation Data: Assume KB = 6190 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	213	5977	☐			12 1/4" Hole. 9 5/8", 32.3 ppf, H-40, STC casing. Circulate cement to surface.
OJAM	2052	4138	☐			Possible water flows
KRLD	2170	4020	☐			
FRLD	2665	3525	☐			Possible gas
PCCF	2915	3275	☐			
LEWS	3315	2875	☐			
Intermediate Casing	3415	2775	☐			8 3/4" hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	3850	2340	☐			
CLFH	4560	1630	☐	1300		Gas; possibly wet
MENF	4725	1465	☐			Gas
PTLK	5095	1095	☐			Gas
MNCS	5345	845	☐			
GLLP	6365	-175	☐			
GRHN	7050	-860	☐			Gas possible, highly fractured
TWLS	7150	-960	☐			Gas
CBBO	7270	-1080	☐			Gas
Total Depth	7400	-1210	☐	3000		6-1/4" hole. 4 1/2", 11.6 ppf, N-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:

Reference Type	Well Name	Comments

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☑ TDT

Additional Information:

Comments: General/Work Description -

Printed on: 8/18/2004 7:46:18 AM

ConocoPhillips

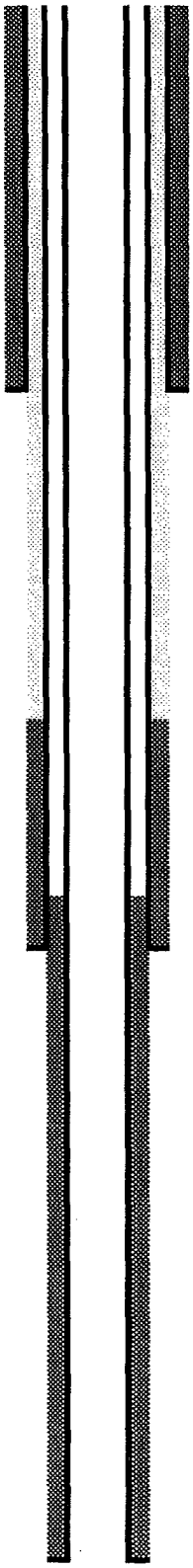
San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-7 233F

Drilling Mud Program:
Surface: spud mud
Intermediate: fresh water mud with bentonite & polymer as needed
Below Intermediate: air/nitrogen/mist drilling media with foamer, polymer & corrosion inhibitor as needed

San Juan 28-7 #233F



SURFACE CASING :

Drill Bit Diameter	12.25	"	
Casing Outside Diameter	9.625	"	Casing Inside Diam. 9.001 "
Casing Weight	32.3	ppf	
Casing Grade	H-40		
Shoe Depth	230	'	
Cement Yield	1.16	cuft/sk	
Excess Cement	125	%	
Cement Required	446	**sx**	

SHOE 230 ', 9.625 ", 32.3 ppf, H-40 STC

INTERMEDIATE CASING :

Drill Bit Diameter	8.75	"	
Casing Outside Diameter	7	"	Casing Inside Diam. 6.466 "
Casing Weight	20	ppf	
Casing Grade	J-55		
Shoe Depth	3415	'	
Lead Cement Yield	2.72	cuft/sk	
Lead Cement Excess	150	%	
Tail Cement Length	683	'	
Tail Cement Yield	1.31	cuft/sk	
Tail Cement Excess	150	%	
Lead Cement Required	360	**sx**	
Tail Cement Required	203	**sx**	

SHOE 3415 ', 7 ", 20 ppf, J-55 STC

PRODUCTION CASING :

Drill Bit Diameter	6.25	"	
Casing Outside Diameter	4.5	"	Casing Inside Diam. 4.000 "
Casing Weight	11.6	ppf	
Casing Grade	N-80		
Top of Cement	3215	'	200' inside intermediate casing
Shoe Depth	7400	'	
Cement Yield	1.44	cuft/sk	
Cement Excess	50	%	
Cement Required	442	**sx**	

SHOE 7400 ', 4.5 ", 11.6 ppf, N-80 STC

San Juan 28-7 #233F			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	230	3415	7400
Hole Diam	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	125	150	50
Lead Yield		2.72	
Tail Yield	1.16	1.31	1.44
Ft of Tail Slurry	230	683	4185
Top of Tail Slurry	0	2732	3215
Top of Lead Slurry	N/A	0	N/A
Mud Wt (ppg)	8.9	9.0	air dril
Mud Type	WBM	WBM	air dril

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	230	0.055804	2.25	27.2	153.0	131.9
Shoe Track Volume	42	0.078735	1	3.3	18.6	16.0
Total				30.6	171.5	147.9

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Lead Open Hole Annulus	2502	0.026775	2.5	167.5	940.3	345.7
Lead Cased Hole Annulus	230	0.031104	1	7.2	40.2	14.8
Lead Total				174.8	980.5	360.5
Tail Open Hole Annulus	683	0.026775	2.5	45.7	256.7	195.9
Tail Shoe Track Volume	42	0.04049	1	1.7	9.5	7.3
Tail Total				47.4	266.2	203.2

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	3985	0.018275	1.5	109.2	613.3	425.9
Cased Hole Annulus	200	0.020818	1	4.2	23.4	16.2
Total				113.4	636.7	442.2

San Juan 26-7 #233F		
9-5/8 Surface Casing		
Cement Recipe	Class G Standard Cement	
	+ 2% S001 Calcium Chloride	
	+0.25 lb/sx D029 Cellophane Flakes	
Cement Volume	148	sx
Cement Yield	1.16	cuft/sx
Cement Volume	171.5	cuft
Cement Density	15.8	ppg
Water Required	4.983	gal/sx
Compressive Strength		
Sample cured at 60 deg F for 8 hrs		
12 hrs	1174	psi
36 hrs	2763	psi

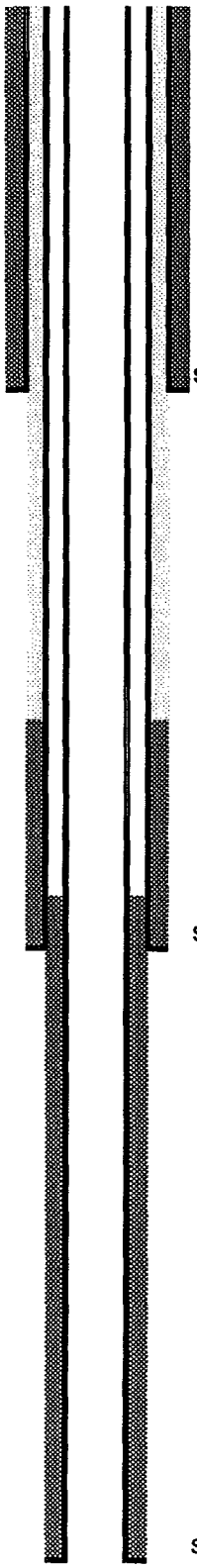
San Juan 28-7 #233F		

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Class G Standard Cement	
	+0.25 lb/sx D029 Cellophane Flakes	
	+ 3% D079 Extender	
	+ 0.20% D046 Antifoam	
	+ 10 lb/sx Pheno Seal	
Cement Required	360	sx
Cement Yield	2.72	cuft/sx
Slurry Volume	980.5	cuft
	174.6	bbls
Cement Density	11.7	ppg
Water Required	15.74	gal/sx
Compressive Strength		
Sample cured at 140 deg F for 24 hrs		
2 hr 37 min	50	psi
39 hr 40 min	500	psi

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	50 / 50 POZ:Standard Cement	
	+0.25 lb/sx D029 Cellophane Flakes	
	+ 2% D020 Bentonite	
	+ 1.5 lb/sx D024 Gilsonite Extender	
	+ 2% S001 Calcium Chloride	
	+ 0.10% D046 Antifoam	
	+ 6 lb/sx Pheno Seal	
Cement Required	203	sx
Cement Yield	1.31	cuft/sx
Slurry Volume	266.2	cuft
	47.4	bbls
Cement Density	13.5	ppg
Water Required	5.317	gal/sx
Compressive Strength		
Sample cured at 140 deg F for 24 hrs		
24 hr	908	psi
48 hr	1950	psi

San Juan 28-7 #233F		
4 1/2" Production Casing		
Cement Recipe	50 / 50 POZ:Class G Standard Cement	
	+0.25 lb/sx D029 Cellophane Flakes	
	+ 3% D020 Bentonite	
	+ 1.0 lb/sx D024 Gilsonite Extender	
	+ 0.25% D167 Fluid Loss	
	+ 0.15% D065 Dispersant	
	+ 0.1% D800 Retarder	
	+ 0.1% D046 Antifoamer	
	+ 3.5 lb/sx PhenoSeal	
Cement Quantity	443	sx
Cement Yield	1.44	cuft/sx
Cement Volume	636.7	cuft
	113.4	
Cement Density	13	ppg
Water Required	6.43	gal/sx
Compressive Strength		
Sample cured at 200 deg F for 24 hrs		
6 hr 35 min	500	psi
24 hr	2373	psi

San Juan 28-7 #233F



SURFACE CASING :

Drill Bit Diameter	12.25	"
Casing Outside Diameter	9.625	"
Casing Weight	32.3	ppf
Casing Grade	H-40	
Shoe Depth	230	'
Cement Yield	1.21	cuft/sk
Excess Cement	125	%
Cement Required	149	**sx**

Casing Inside Diam. 9.001 "

SHOE 230 ', 9.625 ", 32.3 ppf, H-40 STC

INTERMEDIATE CASING :

Drill Bit Diameter	8.75	"
Casing Outside Diameter	7	"
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3415	'
Lead Cement Yield	2.88	cuft/sk
Lead Cement Excess	150	%
Tail Cement Length	683	'
Tail Cement Yield	1.38	cuft/sk
Tail Cement Excess	150	%
Lead Cement Required	340	**sx**
Tail Cement Required	200	**sx**

Casing Inside Diam. 6.456 "

SHOE 3415 ', 7 ", 20 ppf, J-55 STC

PRODUCTION CASING :

Drill Bit Diameter	6.25	"
Casing Outside Diameter	4.5	"
Casing Weight	11.6	ppf
Casing Grade	N-80	
Top of Cement	3215	'
Shoe Depth	7400	'
Cement Yield	1.45	cuft/sk
Cement Excess	50	%
Cement Required	439	**sx**

Casing Inside Diam. 4.000 "

200' inside intermediate casing

SHOE 7400 ', 4.5 ", 11.6 ppf, N-80 STC

San Juan 28-7 #233F			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	230	3415	7400
Hole Diam	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	125	150	50
Lead Yield		2.88	
Tail Yield	1.21	1.33	1.45
Ft of Tail Slurry	230	683	4185
Top of Tail Slurry	0	2732	3215
Top of Lead Slurry	N/A	0	N/A
Mud Wt (ppg)	8.9	9.0	air drl
Mud Type	WBM	WBM	air drl

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	230	0.055804	2.25	28.9	162.1	134.0
Shoe Track Volume	40	0.078735	1	3.1	17.7	14.6
Total				32.0	179.8	148.6

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Lead Open Hole Annulus	2502	0.026786	2.5	167.5	940.7	326.6
Lead Cased Hole Annulus	220	0.031116	1	6.8	38.4	13.3
Lead Total				174.4	979.1	340.0
Tail Open Hole Annulus	683	0.026786	2.5	45.7	256.8	193.1
Tail Shoe Track Volume	42	0.040505	1	1.7	9.6	7.2
Tail Total				47.4	266.3	200.3

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	3985	0.018282	1.5	109.3	613.6	423.1
Cased Hole Annulus	200	0.020826	1	4.2	23.4	16.1
Total				113.4	637.0	439.3

San Juan 28-7 #233F		
9-5/8 Surface Casing		
Cement Recipe	Class C Standard Cement	
	+ 3% Calcium Chloride	
	+0.25 lb/sx Flocele	
Cement Volume	149	sx
Cement Yield	1.21	cuft/sx
Slurry Volume	179.8	cuft
	32.0	bbls
Cement Density	15.6	ppg
Water Required	5.29	gal/sx
Compressive Strength		
Sample cured at 60 deg F for 8 hrs		
4hrs 38 mins	50	psi
9hrs	250	psi

San Juan 28-7 #233F		

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Standard Cement	
	+ 3% Econolite (extender)	
	+ 10 lb/sx Pheno Seal	
Cement Required	340	sx
Cement Yield	2.88	cuft/sx
Slurry Volume	979.1	cuft
	174.4	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	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	200	sx
Cement Yield	1.33	cuft/sx
Slurry Volume	266.3	cuft
	47.4	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 28-7 #233F		
4-1/2" Production Casing		
Cement Recipe	50 / 50 POZ Standard Cement	
	+ 3% Bentonite	
	+ 3.5 lb/sx PhenoSeal	
	+ 0.2% CFR-3 Friction Reducer	
	+ 0.1% HR-5 Retarder	
	+ 0.8% Halad-9 Fluid Loss Additive	
Cement Quantity	439	sx
Cement Yield	1.45	cuft/sx
Cement Volume	637.0	cuft
	113.4	
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