

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number SF-078497 Unit Reporting Number NM78443C	OCT 19 2012
1b. Type of Well GAS	6. If Indian, All. or Tribal Bermington Field Office Bureau of Land Management	
2. Operator ConocoPhillips Company	7. Unit Agreement Name SAN JUAN 28-7 UNIT	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name SAN JUAN 28-7 UNIT 9. Well Number 238N	RCVD JAN 24 '13 OIL CONS. DIV.
4. Location of Well Surface: Unit D (NW/NW), 670' FNL & 702' FWL Surface: Latitude: 36.637695° N (NAD83) Longitude: 107.603433° W	10. Field, Pool, Wildcat BASIN DAKOTA	DIST. 3
	11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 29, T28N, R7W API # 30-039-31150	
14. Distance in Miles from Nearest Town 24.6 MI FROM BLOOMFIELD, NM	12. County RIO ARriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'	17. Acres Assigned to Well W/2 (320)	
16. Acres in Lease 1,639.560		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 71' FROM SAN JUAN 28-7 UNIT 58A	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7022'	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 5963' GL		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Marie E. Jaramillo (10/18/12)	Date 10/18/12	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NMOCDA
FEB 01 2013 ca

This action is subject to technical and procedural review pursuant to 43 CFR 3160.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 395-6161 Fax: (575) 395-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6179
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
OCT 19 2012

Farmington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 31150	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 31739	⁵ Property Name SAN JUAN 28-7 UNIT	⁶ Well Number 238N
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5963

¹⁰ SURFACE LOCATION

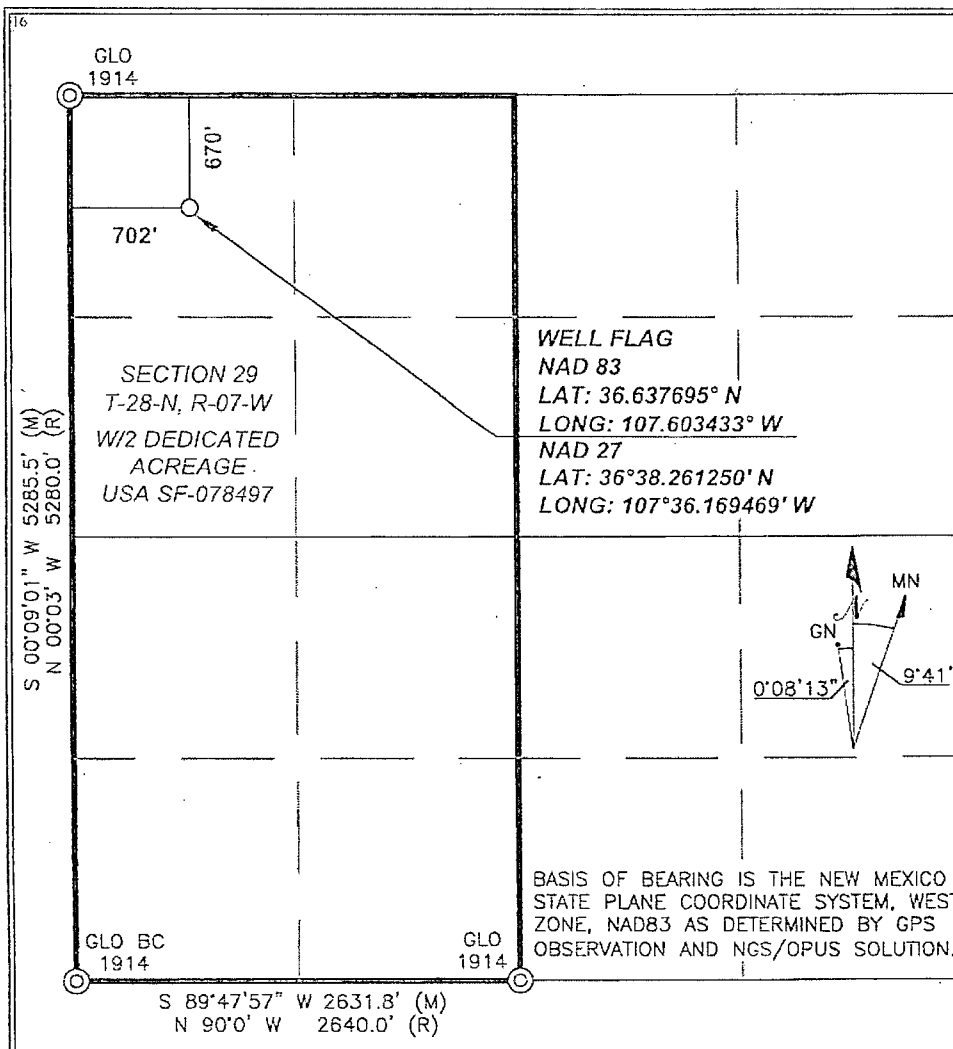
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	28-N	7-W		670	NORTH	702	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
									RIO ARRIBA

¹² Dedicated Acres W/2(320)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete is the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen Kellywood 7/31/12
Signature Date

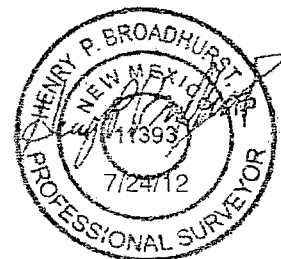
Arleen Kellywood
Printed Name

arleen.r.kellywood@conocophillips.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: 07/16/2012
Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 238N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1183		AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Straight Hole					
Latitude: 36.637687	Longitude: -107.602824	X:	Y:	Section: 29	Range: 007W
Footage X: 702 FWL	Footage Y: 670 FNL	Elevation: 5963	(FT)	Township: 028N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 5978 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)
					BHT
Remarks					
SAN JOSE	15	5963		<input type="checkbox"/>	Ground water at 140' in SJ 28-7 193F, .9 miles away.
Surface Casing	200	5778		<input type="checkbox"/>	60 12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	213	5765		<input type="checkbox"/>	
OJO ALAMO	1652	4326		<input type="checkbox"/>	
KIRTLAND	1786	4192		<input type="checkbox"/>	
FRUITLAND	2118	3860		<input type="checkbox"/>	Possible Gas
PICTURED CLIFFS	2553	3425		<input type="checkbox"/>	447
LEWIS	2692	3286		<input type="checkbox"/>	
Intermediate Casing	2844	3134		<input type="checkbox"/>	109 8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 641 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3084	2894		<input type="checkbox"/>	
CHACRA	3489	2489		<input type="checkbox"/>	Loss 200 bbls
UPPER CLIFF HOUSE	4088	1890		<input type="checkbox"/>	
MASSIVE CLIFF HOUSE	4176	1802		<input type="checkbox"/>	402 Gas
MENEFEE	4305	1673		<input type="checkbox"/>	
POINT LOOKOUT	4775	1203		<input type="checkbox"/>	Gas
MANCOS	5185	793		<input type="checkbox"/>	
UPPER GALLUP	5966	12		<input type="checkbox"/>	172
GREENHORN	6715	-737		<input type="checkbox"/>	
GRANEROS	6766	-788		<input type="checkbox"/>	
TWO WELLS	6810	-832		<input type="checkbox"/>	2483 Gas
PAGUATE	6885	-907		<input type="checkbox"/>	
UPPER CUBERO	6932	-954		<input type="checkbox"/>	Gas
LOWER CUBERO	6945	-967		<input type="checkbox"/>	Gas - Est bot DK perf 7007'
ENCINAL	7022	-1044		<input type="checkbox"/>	Gas

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-7 UNIT 238N

DEVELOPMENT

Total Depth	7022	-1044	<input type="checkbox"/>	192	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 548 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7054	-1076	<input type="checkbox"/>		
MORRISON	7112	-1134	<input type="checkbox"/>		

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Mud log ~100' above GLLP down to TD.

Mudlogger will call TD.

Est bot perf ~20' above TD'

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments:

CONOCOPHILLIPS COMPANY
SAN JUAN 28-7 UNIT 238N
670' FNL, 702' FWL
SECTION 29, T-28-N, R-7-W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO
NAD 83 LAT.: 36.637695°N LONG.: 107.603433°W
NAD 83 LAT.: 36°38'15.70"N LONG.: 107°36'12.36"W
ELEV.: 5963 NAVD88
TWIN WITH SJ 28-7 #58A, NO NEW ACCESS ROAD

FROM BLOOMFIELD, N.M. AT INTERSECTION OF US HWY 550 AND US HWY 64:

- GO 10.6 MILES EAST ON US HWY. 64 THROUGH BLANCO, N.M. AND ACROSS THE SAN JUAN RIVER TO THE INTERSECTION OF US HWY. 64 & C.R. 4450 (LARGO CANYON). TURN RIGHT & HEAD SOUTH EAST ON C.R. 4450 ALONG THE NORTH SIDE OF LARGO WASH.
- GO 3.6 MILES SOUTH EAST ON C.R. 4450. TURN LEFT, TOWARDS CUTTER DAM.
- GO 2.3 MILES SOUTH EAST TO CUTTER DAM TURN. CONTINUE ON CR 4450
- GO 3.3 MILES SOUTH EAST INTO CARRIZO CANYON. STAY LEFT AT TURN OFF TO CROSS CARRIZO, CONTINUE EASTERLY ALONG THE NORTH SIDE OF CARRIZO.
- GO 4.8 MILES EAST. TURN RIGHT AT ACCESS TO COPC WELL SJ 28-7 UNIT 58A.
- NEW WELL STAKED AS TWIN, 71 FEET WEST OF WELL HEAD.