

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD FEB 8 '10
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	RECEIVED JAN 20 2010 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078194 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company		7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Ludwick LS 9. Well Number 19P
4. Location of Well Surf: Unit F (SENW), 1510' FNL & 1970' FWL Surf: Latitude: 36.757152° N (NAD83) Longitude: 107.909955° W		10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 5, T29N, R10W API # 30-045- 35094
14. Distance in Miles from Nearest Town 7 miles / Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1510'		
16. Acres in Lease 2,450.280	17. Acres Assigned to Well 297.66 N/2 - MV/DK	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 921' from Ludwick LS 19M		
19. Proposed Depth 6796'	 H ₂ S POTENTIAL EXIST	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5853' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>1/20/2010</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE RFM DATE 2/9/2010

Archaeological Report attached
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 ES-0048 and ES-0085

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

FEB 25 2010

NMOCD #6

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 35094	*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 31823	*Property Name LUDWICK LS	*Well Number 19P
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 5853'

¹⁰ Surface Location

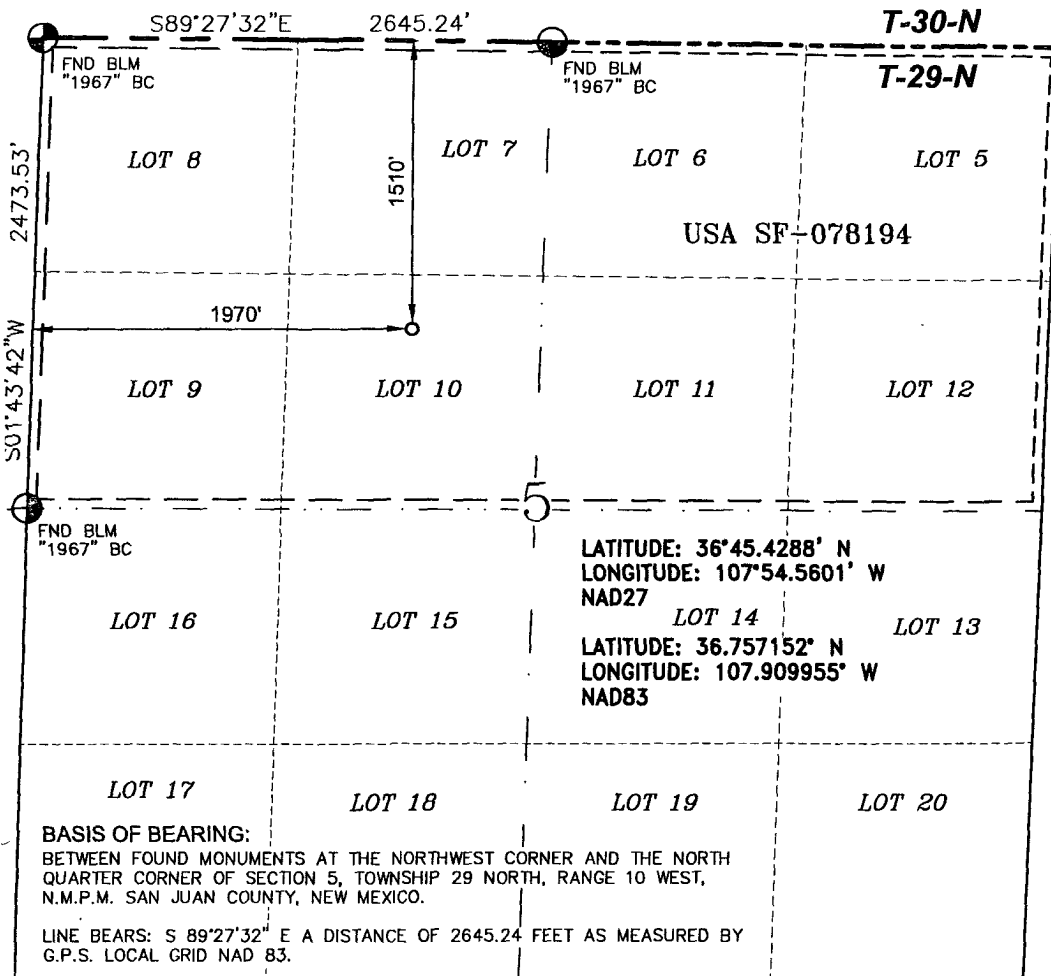
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	5	29-N	10-W	10	1510	NORTH	1970	WEST	SAN JUAN

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
F									
¹² Dedicated Acres DK 297.66 ACRES N/2 MV 297.66 ACRES N/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

18



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

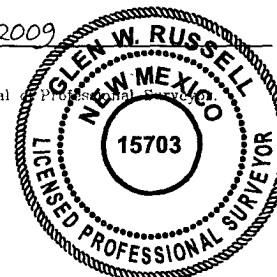
Crystal Tafoya 8/25/09
Signature
Crystal Tafoya 8-25-09
Printed Name

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.

August 17, 2009
Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LUDWICK LS 19P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9102			AFE \$: 704,803.20	
Field Name: SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN	API #:
Geologist:	Phone:	Geophysicist:		Phone:		
Geoscientist:	Phone:	Prod. Engineer:		Phone:		
Res. Engineer:	Phone:	Proj. Field Lead:		Phone:		
Primary Objective (Zones):						
Zone	Zone Name					
FRR	BASIN DAKOTA (PRORATED GAS)					
RON	BLANCO MESAVERDE (PRORATED GAS)					
Location: Surface Datum Code: NAD 27 Straight Hole						
Latitude: 36.757147	Longitude: -107.909335	X:	Y:	Section: 05	Range: 010W	
Footage X: 1970 FWL	Footage Y: 1510 FNL	Elevation: 5853	(FT)	Township: 029N		
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:
Formation Data: Assume KB = 5868 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5668	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	943	4925	☐			
KIRTLAND	1133	4735	☐			
FRUITLAND	1723	4145	☐			Possible Gas
PICTURED CLIFFS	2273	3595	☐			
LEWIS	2366	3502	☐			
Intermediate Casing	2466	3402	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 555cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3023	2845	☐			
CHACRA	3263	2605	☐			
MASSIVE CLIFF HOUSE	3946	1922	☐	448		Gas
MENEFEE	3990	1878	☐			
POINT LOOKOUT	4553	1315	☐			
MANCOS	4940	928	☐			
UPPER GALLUP	5783	85	☐			
GREENHORN	6510	-642	☐			
GRANEROS	6568	-700	☐			
TWO WELLS	6628	-760	☐	1865		Gas
PAGUATE	6688	-820	☐			
CUBERO	6741	-873	☐			
Total Depth	6796	-928	☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, STC/LTC casing. Cement w/ 589 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	6796	-928	☐			
Reference Wells:						
Reference Type	Well Name		Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LUDWICK LS 19P

DEVELOPMENT

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Est bottom perf is Paguate.							

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

Directions from the Post Office
in Blanco, NM to
CONOCOPHILLIPS COMPANY
LUDWICK LS 19P
1510' FNL & 1970' FWL,
Section 5, T29N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
Latitude: 36° 45' 25.748" N
Longitude: 107° 54' 35.839" W
Nad 1983

From the post office in Blanco, NM
Go west on Hwy 64 for .15 miles,
Turn right (northwesterly) on Hwy 575 for 4.8 miles,
Turn left (southerly) for 1.0 miles,
Turn right (west) 0.5 miles,
Turn right (northwesterly) 0.8 miles,
To beginning of access on right side of road and,
Continues to the newly staked location.