# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

·	APPLICATION FOR PERMIT TO DRILL, DEEPEN	I, OR PLUG BACK & MAR 20
1a.	Type of Work  DRILL  RECEIVED  JULY	5. Lease Number SF-079294 Unit Reporting Number 6. If Indian, All. or Tribe
1b.	Type of Well 210 FARRAGOTON NM GAS	6. If Indian, All. or Tribe
2.	Operator	7. Unit Agreement Name
	ConocoPhillips	San Juan 28-7 Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name
	(505) 326-9700	9. Well Number #221G
4.	Location of Well Surf:Unit J (NWSE), 2020' FSL & 1790' FEL, BH: Unit H (SENE), 2500' FNL & 660' FEL	10. Field, Pool, Wildcat Blanco MV/Basin DK
Surf: BH:	Latitude 36° 37.8366 N Longitude 107° 31.2832 W Latitude 36° 37.9600 N	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T28N, R7W
	Longitude 107° 31.0520 W	API# 30-039-30228
14.	Distance in Miles from Nearest Town 22 miles/Blanco	12. County 13. State Rio Arriba NM
15.	Distance from Proposed Location to Nearest Property or Lease Line 660'	)
16.	Acres in Lease	17. Acres Assigned to Well DK & MV - 320 - (E/2)
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or	Applied for on this Lease
19.	Proposed Depth 7628'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6208' GL	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	Mendirectional Survey
24.	Authorized by:	$\frac{3-15-07}{\text{Date}}$
PERMIT	NO. APPROVAL DA	TTE
APPRO	VED BY AM CONCRETE ATM	DATE 3/27/8 /
Threate	blogical Report attached  med and Endangered Species Report attached his format is issued in lieu of U.S. BLM Form 3160-3  J.S.C. Section 1001, makes it a crime for any person knowingly and willfully or make itious or fraudulent statements or presentations as to any matter within its jurisdiction.	FY AZTEC OCD 24 HRS. Batton Comments of the co

Example Master Plan Type 3

3/30/07

NWOCD15

District I 1625 N. French Dr., Hobbs, NM 88240 State of New Mexico

Energy, Minerals & Natural Resources Department  $2007\,$  MAR

Form C-102
2007 MAR Appropriate Disgrict Office
State Lease - 4 Copies
RECEIVE ERE Lease - 3 Copies

1301 W. Grand Avenue, Artesia, NM 88210 1000 Rio Brazos Rd., Aztec, NM 87410

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

210 FAR MANENDED REPORT

1220 S. St. Francis Dr., Santa Fe, NM B7505

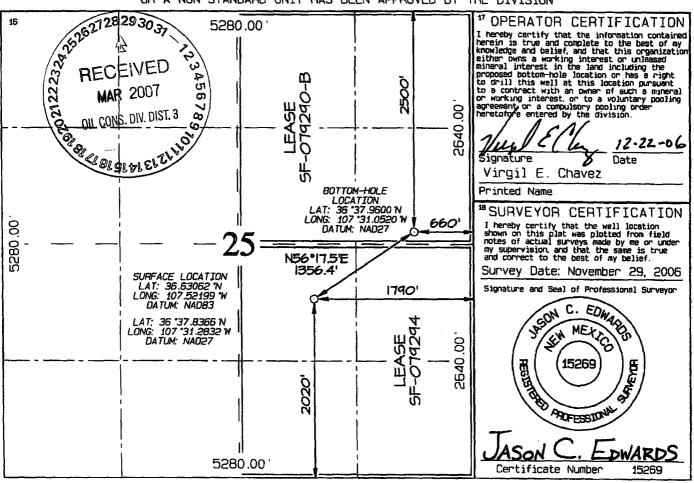
### WELL LOCATION AND ACREAGE DEDICATION PLAT

30-039- 3026	'Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN	- /		
Property Code 31739	SAN	*Property Name N JUAN 28-7 UNIT	"Well Number 221G		
'0GRIO № 217817	CONOC	Operator Name COPHILLIPS COMPANY	*Elevation 6208′		

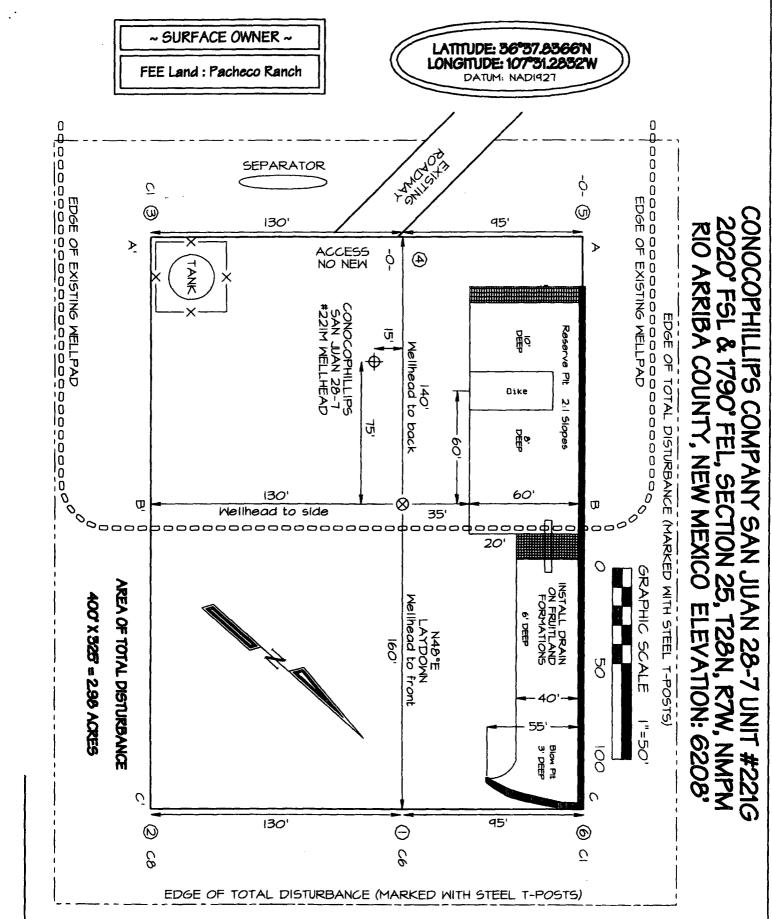
<sup>10</sup> Surface Location

	_								
UL or lot no.	Section	Township	Flange	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	25	28N	7W	<u> </u>	2020	SOUTH	1790	EAST	RIO ARRIBA
		11 E	Bottom	Hole L	ocation I	f Different	From Surf	ace	
UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
H	25	28N	7W		2500	NORTH	660	EAST	RIO ARRIBA
<sup>12</sup> Dedicated Acres 320.0 ACRES - (E/2)					13 Joint or Infill	<sup>14</sup> Consulidation Code	<sup>55</sup> Order No.		
					l	I	I		

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



Submit 3 Copies To Appropriate District	State of New Mexico	Form C-10	03
Office District I	Energy, Minerals and Natural Resources		
1625 N. French Dr., Hobbs, NM 88240	Energy, windrais and read a resource	WELL API NO.	
District II		30-039- 2022	
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION		į
District III	1220 South St. Francis Dr.	STATE FEE X	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.	
District IV		SF-079294	ì
1220 S. St. Francis Dr., Santa Fe, NM 87505	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name	$\dashv$
	O DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name of Offit Agreement Name	1
DIFFERENT RESERVOIR. USE "APPLICATION	FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 28-7 Unit	
PROPOSALS.)			
1. Type of Well:	0.1	8. Well Number	
Oil Well Gas Well X	Other	#221G	
2. Name of Operator	oPhillips Company	9. OGRID Number 217817	1
3. Address of Operator	or minps company	10. Pool name or Wildcat	$\dashv$
	ET, FARMINGTON, NM 87402	Blanco Mesaverde/Basin Dakota	
4. Well Location			
	20' feet from the South line and	1790' feet from the East line	
Section 25	Township 28N Rng 7  Revation (Show whether DR, RKB, RT, GR, etc.)	W NMPM County Rio Arriba	
	6208'		
Pit or Below-grade Tank Application	or Closure		70
Pit type New Drill Depth to Groundwa	ter <50' Distance from nearest fresh water well	>1000' Distance from nearest surface water <100	
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material	
			===
	ppropriate Box to Indicate Nature of N	<del>-</del>	
NOTICE OF IN	1	SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK		ALTERING CASING	Ш
TEMPORARILY ABANDON	<del>} </del> {	ENCE DRILLING OPNS. P AND A	
DULL OR ALTER CACING	TALL TIPLE CONADI I I CACINIC	NOTMENT IOD	
PULL OR ALTER CASING	MULTIPLE COMPL CASING	G/CEMENT JOB	
PULL OR ALTER CASING  OTHER:  New I			
OTHER: New I		<u></u>	
OTHER: New I  13. Describe proposed or completed	Orill X OTHER	: d give pertinent dates, including estimated date	
OTHER: New I  13. Describe proposed or completed	Orill X OTHER I operations. (Clearly state all pertinent details, an	: d give pertinent dates, including estimated date	
OTHER: New I  13. Describe proposed or completed of starting any proposed work).	Orill X OTHER I operations. (Clearly state all pertinent details, an	: d give pertinent dates, including estimated date	
OTHER: New I  13. Describe proposed or completed of starting any proposed work).	Orill X OTHER I operations. (Clearly state all pertinent details, an	: d give pertinent dates, including estimated date	
OTHER: New I  13. Describe proposed or completed of starting any proposed work).	Orill X OTHER I operations. (Clearly state all pertinent details, an	: d give pertinent dates, including estimated date	
OTHER:  New I  13. Describe proposed or completer of starting any proposed work). or recompletion.	Orill X OTHER I operations. (Clearly state all pertinent details, an	: d give pertinent dates, including estimated date	
OTHER: New I  13. Describe proposed or completed of starting any proposed work).	Orill X OTHER I operations. (Clearly state all pertinent details, an	: d give pertinent dates, including estimated date	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:	Orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct	Orill    X OTHER	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk	orill X OTHER  d operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips'	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  d operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file	orill X OTHER  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criteria.	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits as	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criteria.	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits are very interest of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office. A portion of the vent/flare pit and pre-set m at the NMOCD office.	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criteria.	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits as	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion.	orill  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits a detail of according to NMOCD guidelines, a general permit of the per	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.  ge and belief. I further certify that any pit or below-    X   or an (attached) alternative OCD-approved plan	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion about the proposed work).	orill  I operations. (Clearly state all pertinent details, an SEE RULE 1103. For Multiple Completions: At a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits a conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocoPhillips anticipates closing these pits and pre-set may be conocophillips anticipates closing the conocophillips anticipates	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion about the construction of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion.  I hereby certify that the information about grade tank has been/will be constructed or close SIGNATURE  Type or print name  Kandi	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits a ve is true and complete to the best of my knowledged according to NMOCD guidelines, a general permit	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.  ge and belief. I further certify that any pit or below-    X   or an (attached) alternative OCD-approved plan	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion about the proposed work).	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits a ve is true and complete to the best of my knowledged according to NMOCD guidelines, a general permit	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.  ge and belief. I further certify that any pit or below—  X or an (attached) alternative OCD-approved plan  degulatory Technician DATE 2/27/2007  de@brc-inc.com Telephone No. 505-326-9597	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion about the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion.  I hereby certify that the information about the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion.  Type or print name Kanding For State Use Only	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits a ve is true and complete to the best of my knowledged according to NMOCD guidelines, a general permit	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.  ge and belief. I further certify that any pit or below-  X or an (attached) alternative OCD-approved plan  Legulatory Technician  DATE 2/27/2007	
OTHER:  New I  13. Describe proposed or completed of starting any proposed work). or recompletion.  New Drill, Lined:  ConocoPhillips proposes to construct interpretation of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion about the construction of the Ecosphere's risk General Plan dated June 2005 on file be lined as per the risk ranking criterion.  I hereby certify that the information about grade tank has been/will be constructed or close SIGNATURE  Type or print name  Kandi	a new drilling pit, an associated vent/flare pit and ranking criteria, the new drilling pit and pre-set m at the NMOCD office. A portion of the vent/flare a. ConocoPhillips anticipates closing these pits a ve is true and complete to the best of my knowledged according to NMOCD guidelines, a general permit	d give pertinent dates, including estimated date trach wellbore diagram of proposed completion  a pre-set mud pit (if required). Based on ConocoPhillips ud pit will be lined pits as detailed in ConocoPhillips' pit will be designed to manage fluids and that portion will coording to the November 1, 2004 Guidelines.  ge and belief. I further certify that any pit or below—  X or an (attached) alternative OCD-approved plan  degulatory Technician DATE 2/27/2007  de@brc-inc.com Telephone No. 505-326-9597	



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

# CONOCOPHILLIPS COMPANY SAN JUAN 28-7 UNIT #221G 2020' FSL & 1790' FEL, SECTION 25, T28N, R7W, NMPM RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6208'

	6198	6208'	6218'	C-C'			6198	6208'	6218'	B-B'		6198	6208'	6218'	A-A'	HOR
																ZONTAL S
		A				- - - - - - - - - -										HORIZONTAL SCALE I"=40'
					C/L						C/L					C/L
																VERTICAL SCALE
																CALE 1"=30"

NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIFELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

### SJ 28-7 Unit #221G OPERATIONS PLAN

Well Name:

SJ 28-7 Unit #221G

Objective:

Mesa Verde/Dakota

Location:

Rio Arriba NM

Elevation:

6208

Surface Coordinates/Footages

T - 28 N R - 7 W Sec.: 25 2020' FSL

Latitude: 36° 37.8366' N

1790' FEL

Longitude: 107° 31.2832' W

**Bottom Hole Coordinates/Footages** 

T-28 N R-7W Sec.: 25

2500' FNL

660' FEL

Latitude: 36° 37.9600' N

Longitude: 107° 31.0520' W

<u>Formation</u>	Top (TMD)	Top (TVD)	<u>Contents</u>
San Jose	0	0	
Nacimiento	837'	828'	
Ojo Alamo	2242'	2119'	aquifer
Kirtland	2352'	2220'	
Fruitland	2877'	2702'	gas
Pictured Cliffs	3100'	2907'	
Lewis	3185'	2985'	
Chacra	4113'	3850'	
Massive Cliff House	4803'	4538'	gas
Menefee	4927'	4662'	gas
Massive Point Lookout	5395'	5130'	gas
Gallup	6580'	6315'	gas
Greenhorn	7318'	7053'	gas
Graneros	7378'	7113'	
Two Wells	7411'	7146'	gas
Paguate	7513'	7248'	gas
Cubero	7543'	7278'	gas
Lower Cubero	7547'	7282'	
Total Depth:	<i>7628</i> '	7363'	gas

Logging Program:

Cased Hole:

**CBL-GR** 

Open Hole:

None

Mud Program:	Interval (TMD)	<u>Type</u>	Weight (ppg)	Vis. (s/qt)	Fluid Loss (cc/30min)
	0' - 220'	Spud	8.4-9.0	40-50	No control
	220' - 4365'	Non-dispersed	8.4-9.0	30-60	Less than 8
	4365' - 7628'	Air/Air Mist/Nitrogen	n/a	n/a	n/a ·
Casing program:	Interval (TMD)	Hole Size	Casing Size	<u>Weight</u>	<u>Grade</u> :
	0' - 220'	12 1/4"	9 5/8"	32.3#	H-40
	220' - 4365'	8 3/4"	7"	23.0#	L-80
	4365' - 7628'	6 1/4"	4 1/2"	11.6#	L-80 ·
Tubing program:	Interval (TMD)	Hole Size	Casing Size	<u>Weight</u>	<u>Grade</u>
	0' - 7628'	Cased	2 3/8"	4.7#	J-55

### Wellhead Equipment

9 5/8" x 7" X 4 1/2" x 2 3/8" - 11" (2000 psi) wellhead assembly

<u>Drilling:</u> Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2. **Surface** 

Drill to surface casing point of 220' and set 9.625" casing.

### Intermediate

Mud drill to kick off point of 400'. At this point the well will be directionally drilled by building 4 degrees per 100' with an azimuth of 56.06 degrees. The end of the build will be at a TVD of 917', a TMD of 933', a reach of 117', and an inclination of 23.31 degrees. This angle and azimuth will be held to a TVD of 3533', a TMD of 3782', and a reach of 1245'. At this point the well will be drilled with a drop of 4 degrees per 100'. The end of the drop will be at a TVD of 4100', a TMD of 4365', a reach of 1361.4', and an angle of 0.0 degrees. 7" casing will be set at this point.

### **Production**

From the shoe of the intermediate string, the well will be drilled vertically with an air hammer to a TVD of 7363' (TMD of 7628'). 4.5" casing will be set at this point.

### Cementing

9.625" surface casing conventionally drilled: **200%** excess cement to bring cement to surface.

Run 207 cu.ft. (162 sks) Type III cement with 3% CaCl2 and 1/4 pps celloflake (1.28 sks/ cu.ft.). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60° F prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

7" intermediate casing: **50%** excess cement to bring cement to surface.

Lead with 861 cu.ft. (404 sks) Premium Lite w/ 3% CaCl2, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS (2.13 sks/ft3). Tail with 124 ft3 (90 sks) Type III cmt. w/ 1% CaCl2, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft3). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4.5" production casing: **30%** excess cement to achieve 100' overlap with intermediate casing. Run 447 cu.ft. (226 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft3.)

### **BOP and Tests**

Surface to Total Depth – 11", 2000 psi double gate BOP stack (Reference Figure #1).

Surface to Total Depth - choke manifold (Reference Figure #2).

Prior to drilling out surface casing, test BOPE and casing to 600 psi for 30 minutes.

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A Kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise noted in the APD. A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where the intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which BOPE will be exposed. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the duration of the test.

### **Additional Information:**

- No gas dedication.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.
- BHP is expected to be 2100 psi.

Drilling Engineer

3/14/2007



# PROJECT PROPOSAL - New Drill / Sidetrack

## San Juan Business Unit

### **SAN JUAN 28-7 UNIT 221G**

### **DEVELOPMENT**

Lease:				AF	E #: WA	N.CNV.7	169			AFE \$:
Field Name: 28-7 Rig: XX 2008 2							State:	NM	County: RIO ARRIBA	API #:
Geoscientist: Pipp	in. Eddie A			505-326-978		Prod. E	ngineer:			Phone: +1 832-486-3483
Res. Engineer: Joh	·-·	В.		(832)-486-23			ield Lead:			Phone:
Primary Objectiv	ve (Zones):	i e							DATE TO STATE	<b>"我们"了</b> 会
Zone	Zone Name	Ð								
R20002	MESAVERD	E(R20002)								
R20076	DAKOTA(R2	20076)	_							
<b>Location:</b> Surface		Datum Co	de: NA	D:27			- 1			Deviated
Latitude: 36.63323	32 Longi	tude: -107.52	20624	X: 591752.00	)	Y: 20	19897.00		Section: 25	Range: 007W
Footage X: 1565 F	EL Foota	ge Y: 2295 F	SL	Elevation: 621	L4	(FT)	Township	: 0281	N .	
Tolerance:			_		_	0.0				
Location: Botton	<del></del>		<del></del>		212		200		i e e e e e e e e e e e e e e e e e e e	Deviated
Latitude: 36.63253		tude: -107.5	<del></del>	X: 592661.00			19645.00		Section: 25	Range: 007W
Footage X: 660 FE	EL Foota	ge Y: 2500 F	NL	Elevation:		(FT)   <sup>-</sup>	Fownship	: 0281	V	
Tolerance:									·	
Location Type: Ye			Start D	ate (Est.):		Com	pletion D	ate:	Date In (	Operation:
Formation Data:	Assume KB	= 6228	Units =							
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	ВНТ			Remarks	
Surface Casing		220	6008	\ \(\(\cdot\)	(. 525)	<u></u>	<u> </u>			
NCMT		828	5400							
MALC		2119	4109				Possible	water	flows.	
KRLD		2220	4008							
FRLD		2702	3526				Possible	gas.		
PCCF		2907	3321							
LEWS CHRA		2985	3243							
Intermediate Casin	a	3850 4100	2378 3143							,
UCLFH	9	4454	1774	H						
CLFH		4538	1690	ă			Gas; pos	sibly	wet	
MENF		4662	1566	0000			Gas.			
PTLK		5130	1098				Gas.			
MNCS		5538	690							
UPPER GLLP		6315	-87				Gas. Po	•		
GRHN		7053	-825				of 100' i	nside	pf, J-55, STC casing. Cill the previous casing strin )T with GR to surface.	rculate cement a minimum ng. No open hole logs.
GRRS		7113	-885							
TWLS		7146	-918				Gas			
PAGU		7248	-1020					ghly F	ractured.	
CBBO CBRL		7278 7292	-1050				Gas			
Total Depth		7282 7363	-105 <del>4</del> -1135		2100					
· owi pepul		7303	-1122	L	2100					

Reference Wells:

Printed on: 3/16/2007 10:13:49 AM



# **PROJECT PROPOSAL - New Drill / Sidetrack**

San Juan Business Unit

**SAN JUAN 28-7 UNIT 221G** 

DEVELOPMENT

Reference Type	Well Name		Comments			
Intermediate	SJ 28-7 221M	,	25-28N-7W-SE, K	(B = 6225		
Intermediate	SJ 28-7 221		25-28N-7W-NE, k	(B = 6230		
Logging Progra	m: 💮 💮	- 12	4 <b>4</b>	34 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100
Intermediate Log	ıs: Log only if sh	ow GR/ILD	Triple Comb	00		
TD Logs:	☐ Triple Combo	Dipmeter	RFT Sor	nic VSP TDT 🗹 Oth	er	
	GR/CBL					<del></del>
Additional Inform	nation:					
Additional Inform	nation:					

Comments: Location/Tops/Logging - Reach = 930.8', Azimuth = 108 degrees, TD is 310' below GRHN --- for DK offset logs see hardcopy packet

Zones - MVRD is plugged in the #19 - #'s 221 & 221G will be the two MVRD completions in the NE/4.

1) Try to get the surface locaiton as requested - will need ~1,400' of access, branching off the lease road running through the w/2 of Section 30-T28N-R6W - directional kick would be ~400' to the north to get inth Unit Ltr. H. 2) Move surface location to ~2,250' FNL & 1,600' FEL - directional kick would be ~950' to the ESE. MVNM028N007W25NE2 AND

General/Work Description - Moved from 2007 to 2008 due to 2007 Capex program adjustments 3/15/07 - LM MAKE SURE COST REFLECT A DIRECTIONAL DRILL. 80/80 Kd/Kmv Directional

Printed on: 3/16/2007 10:13:49 AM