#### **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

а.	Type of Work DRILL	RECEIVED	5. Lease Number SF-078049-A Unit Reporting Number		
<b>)</b> .	Type of Well GAS	DEC 15 2009	_	All. or Tribe	
	Operator	Bureau of Land Management Farmington Field Office	7. Unit Agre	eement Name	
	ConocoPhillips Comp				
	Address & Phone No. of Op PO Box 4289, Farming		8. Farm or l	Lease Name	
	(505) 326-9700	,	9. Well Nun 2N	nber	
-	Location of Well Surf:Unit K(NESW),	2363' FSL & 1694' FWL	10. Field, Po Bland	ool, Wildcat co MV / Basin DK	
/	Surf: Latitude: 36.0 Longitude: 10°		K Sec.	n, Rge, Mer. (NMPM) 28, T29N, R8W 45-35070	
4.	Distance in Miles from Near 21 miles / Bloomfie		12. County San Jua	13. State	
5.	Distance from Proposed Lo	cation to Nearest Property or Le	ase Line		
6.	Acres in Lease 640.00			ssigned to Well W/2 (MV/DK)	
8.	Distance from Proposed Lo	cation to Nearest Well, Drig, Con		PCUD JAN 12'1	
9.	Proposed Depth 7569'	H <sub>2</sub> S POTENTIAL EX	UST 20. Rotary o	or Cable Tools COME DILL	
1.	Elevations (DF, FT, GR, Etc. 6399' GL	)		Date Work will Start	
3.	Proposed Casing and Ceme See Operations Plan		ACTION DOES NO	L OR ACCEPTANCE OF TE OF RELIEVE THE LESSEE M OBTAINING ANY OTHE N REQUIRED FOR OPERAT	
4.	Authorized by: Crystal	l Talogo Tafoya (Regulatory Tech	ON FEDERAL AND	DINDLANDS	
ERM	IT NO.	APPROVA	AL DATE		
PPR	OVED BY	relies TITLE ATT	y	DATE 4/8/200	
rcha	eological Report attached	s Report attached	NOTIFY	TEC OCD 24 HI	

**Example Master Plan Type 3** 

Bond Numbers NMB-000015 and NMB-000089

**NMOCD** 

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 68240

1301 W. Grand Avenue, Artesia, N.M. 88210

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

DISTRICT II

DISTRICT III

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

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

Fee Lease - 3 Copies

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

C AMENDED DEDODT

1220 S. St. Fran	cis Dr., S								_	AME:	NDED REPORT
' API	Number	/		OCATIO	N AND A	CREAGE DED	IC		LAT • BLAN	CO	
30-045- 350 (( ) 71599 / 72319 BASIN DAKOTA / MESA VERDE											
<sup>4</sup> Property C	ode	T				ty Name					Well Number
31728	3	1			HAR	RDIE		2N			2N
OGRID N	o.	<del> </del>				or Name					* Elevation
217817	7			CONC	COPHILLI	PS COMPANY					6399
<sup>10</sup> Surface Location											
UL or lot no. Section		Township Range		Lot Idn Feet from t		he North/South line Fe		eet from the East/Wes		line	County
K	K 28 29 N 8 W		2363		SOUTH	1694		WES.	ST SAN JU		
			11 Botto	m Hole	Location	If Different Fr	om	Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Fe	et from the	East/West	line	County
			1				1				
W Dedicated Acre		Joint o	7-427 14 7		0-4-   150-1	N-			L		L
nedicated Vole	Þ	- Joint o	r mmi   "Ca	onsolidation	Code "Order	NO.					
320 (W/2	2)										
NO ALLOW	ABLE V					TION UNTIL ALL BEEN APPROVEI				EN (	CONSOLIDATED
16 N 89°12	'37" E	260	3.55'	N 89	0°18' E	2605.68' (R)		17 OP	ERATOR	CEI	RTIFICATION
16							_	li .			contained herein is
}		}		i				true and comple	ste to the bes	t of my	, knowledge and belief,
l 🖹											ms a working interest
2599.11											land including the sright to drill this
20								well at this loca	stion purman	t to a	contract with an
2				I				ouner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order			
	<del></del>			<b>{</b>				heretofore enter	ed by the disc	Leion.	
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								Lental	1apay		5/22/09
13		700/0		1	LICA OF	070040	ш	Signature			/ Date/
5.50.73 USA	3 SF-0	78049-	A	i	USA SF	-078049	74	Crystal	Tafoya	<u>5</u>	-22-09
2				ł			1°52	Printed Name	•		]
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Į.	;		SECT	ION 28							
16	94'		?					18 SUR	VEYOR (	CERT	<b>FIFICATION</b>
i i	,	NAD 83		ı			_				n shown on this plat
		2102° N		l		1	8		-	•	il surveys made by me
LONG: 10	7.6849	739° W		f			3	or under my sup correct to the be			te same is true and
B C C LAT: 3		NAD 27					2614				
N LAT: 3		7222' N		1				4/29/0	9 /	SHAL	LW
LONG: I	07°41.0	6170' W		I				Date of Survey			
		<u></u>	<u> </u>	<b></b>		ļ		Signature and	Sept of Pyoto	بوالمك	W. Andrews
			2363	1			ŀ		15/2	7-1	<>
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12				•			Ť	. //	KEEK	100	
2°19'36"				ŀ			147		1/2/		ONAL SUIT
Z	Į			•			07.17.1 N	17078	3	<b>ESSI</b>	ONAL
S 89°36'3	53° W			]		5256.131	-	Certificate Num	ber		
3 37 33 3	· · · · · ·			<del></del>		JE30.13	البيب				



## PROJECT PROPOSAL - New Drill / Sidetrack

## San Juan Business Unit

## HARDIE 2N DEVELOPMENT

Lease:					YFE #: WA	N.CDR.	9068		AFE \$: 737,429.82
Field Name: SAN	JUAN		Rig: X	XX 2010 Hold	ing		State: NM	County: SAN JUAN	API #:
Geologist:			Phone	:		Geoph	nysicist:		Phone:
Geoscientist:	***************************************		Phone	:		Prod.	Engineer:		Phone:
Res. Engineer:			Phone	 :	-	Proi. I	ield Lead:		Phone:
Primary Object	ive (Z	ones):	100						
Zone	Zone	Name							
FRR	BASIN	DAKOTA (PRORA	ATED GAS	S)					
RON	BLAN	CO MESAVERDE	(PRORATI	ED GAS)					
Location: Suita	È	Datum (	Code: NA	(D.27					of the steady stole of
Latitude: 36.6962	204	Longitude: -107	.684362	X:		Y:		Section: 28	Range: 08W
Footage X: 1694	FWL	Footage Y: 2363	B FSL	Elevation: 63	399	(FT)	Township: 029	N	
Tolerance:									
Location Type: Ye	ear Ro	und	Start [	Date (Est.): 1/	1/2011	Con	npletion Date:	Date Ir	n Operation:
Formation Data:	Assu	me KB = 6413	Units =	FT					
Formation Call & Casing Points		Depth (TVD in F		Depletion (Yes/No)	BHP (PSIG)	внт		Remark	S
Surface Casing		200	6213	<u>_</u>	1 ( , , , ,	L			I-40, STC casing. Cement
NACIMIENTO		(25	F700				with 121 cuft.	Circulate cement to su	rface.
OJO ALAMO		625 1919	5788 4494						
KIRTLAND		2075	4338						
FRUITLAND		2509	3904				Possible Gas		
PICTURED CLIFFS		2965	3448				1 Ossibie Gas		
LEWIS		3095	3318	_					
Intermediate Casin	g	3195	3218	_					asing. Cement with 720
HUERFANITO BENT	TONTT	F 2561	2052				cuft. Circulate	cement to surface.	
CHACRA	101111	E 3561 3934	2852 2479						
UPPER CLIFF HOUS	SF	4307	2106				Gas: Est. Ton I	Perf - 4309 (2104)	
MASSIVE CLIFF HO		4581	1832		296		Gas, Lsc. 10p	1303 (2104)	
MENEFEE		4720	1693	H	290		Gus		
POINT LOOKOUT		5183	1230	H					
MANCOS		5614	799	ī					
UPPER GALLUP		6393	20	ñ					
GREENHORN		7144	-731						
GRANEROS		7207	-794	ñ					
TWO WELLS		7251	-838		2318		Gas		
PAGUATE		7351	-938						
UPPER CUBERO		7387	-974	$\overline{\Box}$					
LOWER CUBERO		7415	-1002	ī			Est. Btm Perf -	7554 (-1141) based o	on offset wells
ENCINAL		7474	-1061	_			TD - 95' below		
Total Depth 7569			-1156				6-1/4" hole, 4 Cement w/ 598	H-1/2" 10.5/11.6 ppf, J- B cuft. Circulate cemen	-55, STC/LTC casing. t a minimum of 100' inside
Reference Wells	. 7						the previous ca	asing sulliy.	

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# PROJECT PROPOSAL - New Drill / Sidetrack

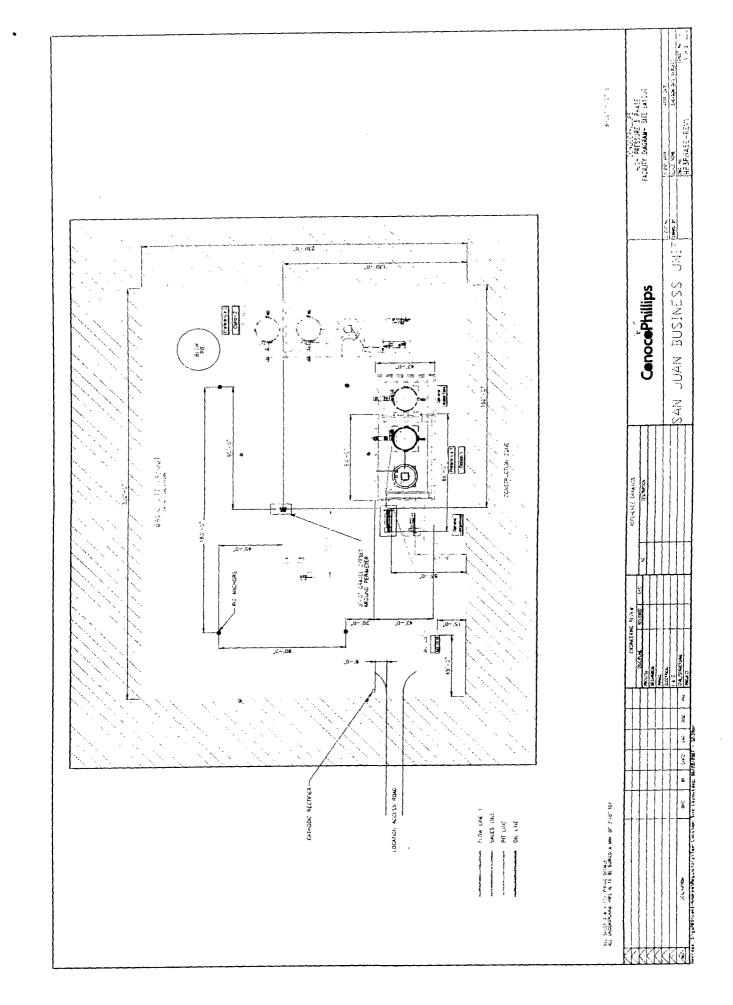
San Juan Business Unit

### HARDIE 2N

### DEVELOPMENT

Reference Type	Well Name		Comments									
Production	roduction Hardie 2 29N 8W 28 NW NW											
Production	Production Hardie B 3 29N 8W 28 SW NE SW											
Production	roduction Hardie B 212 29N 8W 28 NW NE SW											
Production Hardie 2-E 29N 8W 28 NE SW SW												
	Intermediate Logs: Log only if show GR/ILD Triple Combo											
TD Logs:	TD Logs: Triple Combo Dipmeter RFT Sonic VSP TDT Other											
Cased Hole GR / CBL												
Additional Information:												
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks							

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### **CONOCOPHILLIPS COMPANY**

HARDIE 2N

2363' FSL & 1694' FWL

LATITUDE: 36.6962102° N

LONGITUDE: 107.6849739° W

**NAD 83** 

SECTION 28, T-29-N, R-8-W, N.M.P.M. SAN JUAN COUNTY, NEW MEXCIO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND U.S. HIGHWAY 550 IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY 17.8 MILES ON U.S. HIGHWAY 64

TURN RIGHT AND TRAVEL SOUTHERLY 0.7 MILE ON DIRT ROAD

TURN RIGHT & PROCEED NORTHWESTERLY 0.1 MILE

TURN LEFT AND PROCEED SOUTHERLY 1.0 MILE

TURN RIGHT AND PROCEED SOUTHERLY 1.1 MILES ON DIRT ROAD

TURN LEFT AND PROCEED EASTERLY 0.2 MILE

UNTIL REACHING EXISTING HARDIE B 212 WELL LOCATION &

PROPOSED LOCATION OF HARDIE 2N WELL.