

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 28 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number Jicarilla Contract #100 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe Jicarilla Apache	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD JAN 27 '10 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Jicarilla D 9. Well Number 22Y	
4. Location of Well Surf: Unit M(SWSW), 1225' FSL & 1095' FWL Bottomhole: N (SESW), 1100' FSL & 1900' FWL Surf: Latitude: 36.439147° N (NAD83) Longitude: 107.173595° W Bottomhole: Latitude: 36.438799° N (NAD83) Longitude: 107.170860° W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 32, T26N, R3W API # 30-39-30837	
14. Distance in Miles from Nearest Town	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1095'		
16. Acres in Lease	17. Acres Assigned to Well 320.00 Acres W/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 35' from Jicarilla D 22 (P&A)		
19. Proposed Depth 6472'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7338' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>10/28/2009</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 NMB-000015 and NMB-000089

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

NMOC

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

FEB 04 2010

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

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

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

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

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 October 12, 2005

Submit to Appropriate District Office
OCT 28 2005 State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30837	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 31763	⁵ Property Name JICARILLA D	⁶ Well Number 22Y
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 7338'

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
M	32	26-N	3-W		1225'	SOUTH	1095'	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
N	32	26-N	3-W		1100'	SOUTH	1900'	WEST	RIO ARriba
¹² Dedicated Acres MV 320.0 ACRES W/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

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BASIS OF BEARING:
BETWEEN FOUND MONUMENTS AT THE SOUTHWEST CORNER AND
THE SOUTHEAST CORNER OF SECTION 32, TOWNSHIP 26 NORTH RANGE 3 WEST
N.M.P.M., RIO ARriba COUNTY, NEW MEXICO.
LINE BEARS: N 89° 56' 07" E A DISTANCE OF 5282.82' FEET
AS MEASURED BY G.P.S., LOCAL GRID NAD 83.

JICARILLA
APACHE TRIBE
CONTRACT #100

BOTTOM HOLE
LAT: 36°26.3272' N.
LONG: 107°10.2158' W.
NAD 1927
LAT: 36.438799° N.
LONG: 107.170860° W.
NAD 1983

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DIRECTIONAL BORE
S 81° 04' 27" E
814.6'

SURFACE
LAT: 36°26.3481' N.
LONG: 107°10.3798' W.
NAD 1927
LAT: 36.439147° N.
LONG: 107.173595° W.
NAD 1983

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.

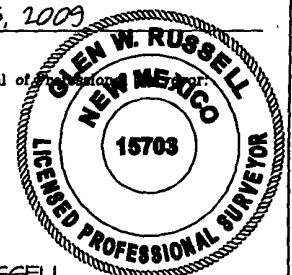
Crystal Tafuya 10/26/09
Signature
Crystal Tafuya 10-26-09
Printed Name

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.

October 15, 2009
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number 15703



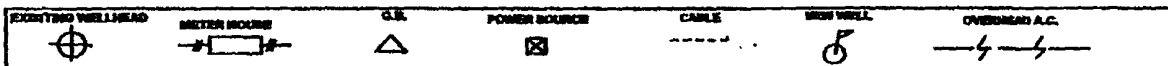
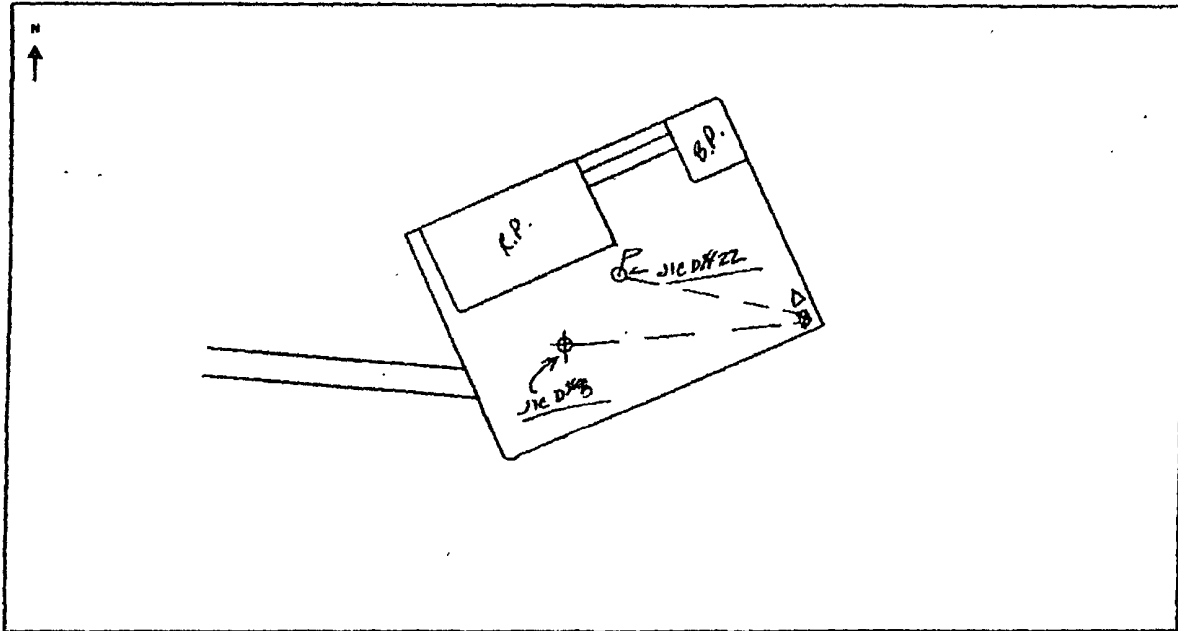
TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME JICAKHIA D#22

LEGALS M-32-24-3 COUNTY P.A.

PURPOSED C.P. SYSYTEM: DRILL G.I.B. & SET SOLAR @ S.E. CORNER OF LOCATION TRENCH
@ 100' *B NEG FROM RECT TD W.H. ALSO TRENCH @ 275' *B NEG FROM SOLAR TO
JIC D#B W.H.



COMMENTS: WILL BE DRILLED ON SAME WELL PAD W/ JIC D#B

NEAREST POWER SOURCE N/A

DISTANCE: _____

PIPELINES IN AREA: _____

TECHNICIAN:

DATE: _____

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-834-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JICARILLA D 22Y

DEVELOPMENT

Lease:		AFE #: WAN.CNV.5143		AFE \$: 1,033,607.34	
Field Name: JICARILLA		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Prod. Engineer: Fontenot, Jessie C	
				Phone: +1 832-486-3483	
				Proj. Field Lead: Fransen, Eric E.	
				Phone: +1-432-368-1215	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)

Location: Surface		Datum Code: NAD 27		Directional	
Latitude: 36.439120	Longitude: -107.173120	X:	Y:	Section: 32	Range: 003W
Footage X: 1060 FWL	Footage Y: 1215 FSL	Elevation: 7332	(FT)	Township: 026N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date: 9/18/2009	Date In Operation:
Formation Data: Assume KB = 7348 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	200	7148	☐			12-1/4" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement w/ 121 cu ft. Circulate cement to surface.
NCMT	2310	5038	☐			
KRLD/FRLD	3659	3689	☐			
PCCF	3920	3428	☐			
LEWS	4120	3228	☐			
Intermediate Casing	4220	3128	☐			8-3/4" hole, 7" 23#/ft J-55 LTC casing. Cement w/ 951 cu.ft. Circulated cement to surface.
CHRA	4698	2650	☐			
CLFH	5573	1775	☐	575		Gas; possibly wet
MENF	5673	1675	☐			Gas.
PTLK	6078	1270	☐			Gas.
MNCS	6328	1020	☐			TD is based on lowest perf in offsets plus 100' for rat hole.
Total Depth	6342	1006	☐			6-1/4" hole; 4 1/2", 10.50 ppf, J-55, STC - Cement w/ 295 cu.ft. Circulate cement 100' into previous casing string.

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

Additional Information:

The Stimulation of this well will be traced.

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Jicarilla D #22Y
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 7354.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 7354.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Jicarilla D #22Y	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
- Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	
Jicarilla D #22Y - PCP		0.00	0.00	6,342.0	-126.8	804.1	1,979,634.30	695,041.53	
- plan hits target center									
- Point									
Jicarilla D #22Y - ICP		0.00	0.00	4,220.0	-126.8	804.1	1,979,634.32	695,041.49	
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
6,355.0	7,731.0	Graneros		0.00		
6,355.0	7,670.0	Greenhorn		0.00		
6,355.0	6,901.0	Upper Gallup		0.00		
4,504.1	4,374.0	Chacra		0.00		
5,229.1	5,099.0	Menefee		0.00		
5,892.1	5,762.0	Massive Point Lookout		0.00		
5,152.1	5,022.0	Massive Cliff House		0.00		
3,637.7	3,524.0	Lewis		0.00		
4,117.5	3,988.0	Huerfano Bentonite		0.00		
3,541.4	3,434.0	Pictured Cliffs		0.00		
3,238.7	3,151.0	Fruitland Coal		0.00		
6,355.0	7,968.0	Encinal		0.00		
6,355.0	7,845.0	Paguate		0.00		
6,355.0	7,901.0	Cubero		0.00		
6,355.0	7,778.0	Two Wells		0.00		
2,465.4	2,428.0	Ojo Alamo		0.00		
2,613.0	2,566.0	Kirtland		0.00		
6,227.1	6,097.0	Mancos		0.00		

REFERENCE INFORMATION

RKB @ 7354.0ft (Original Well Elev)
Ground Elevation 7338.0
Reference Lat: 36° 26' 20.886 N
Reference Long: 107° 10' 22.788 W

Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Jicarilla D #22Y
Wellbore: Principal Wellbore
Design: Plan #1

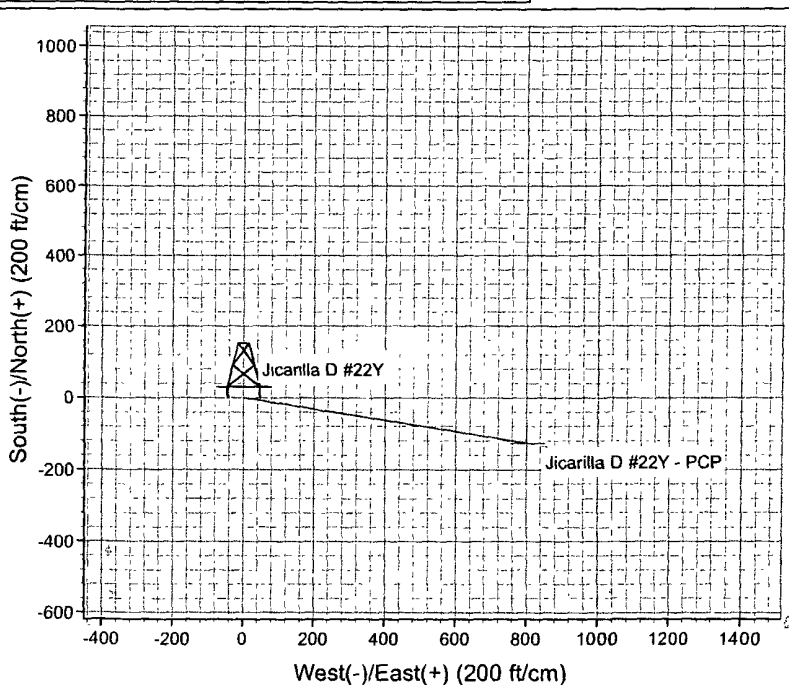
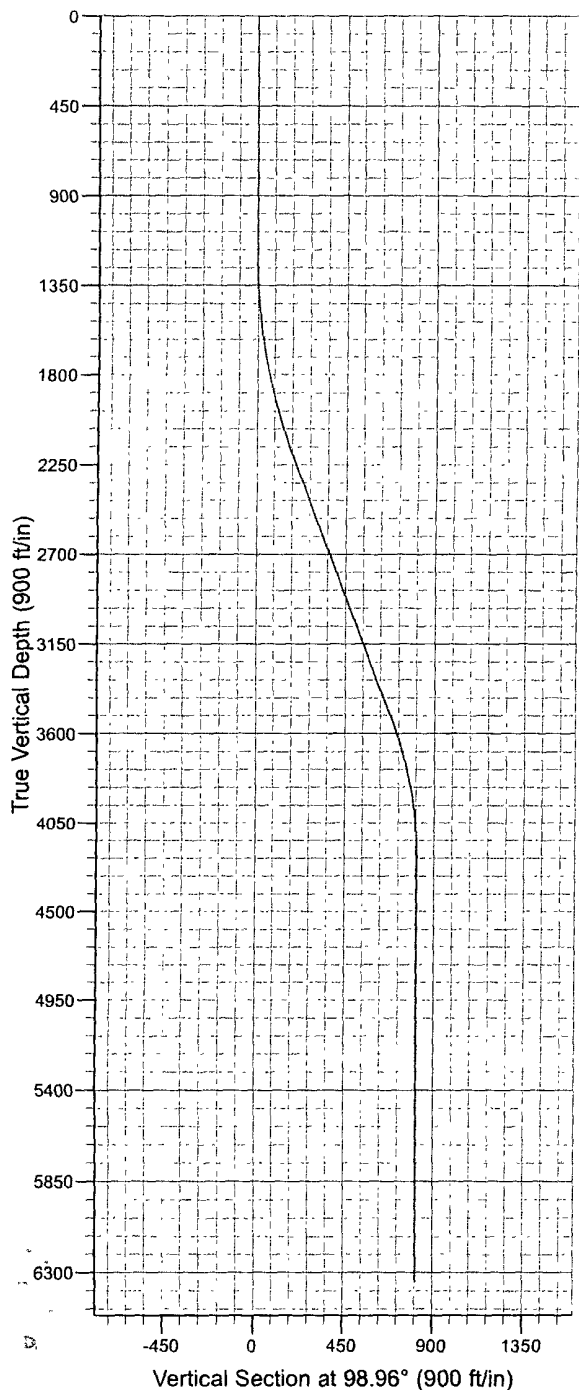
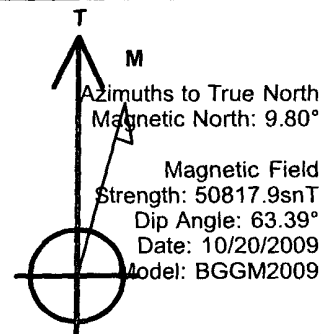


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	2239.4	20.79	98.96	2216.8	-29.1	184.2	2.00	98.96	186.5	
4	3657.1	20.79	98.96	3542.2	-107.4	681.2	0.00	0.00	689.7	
5	4350.1	0.00	0.00	4220.0	-126.8	804.1	3.00	180.00	814.0	Jicarilla D #22Y - ICP
6	6472.1	0.00	0.00	6342.0	-126.8	804.1	0.00	0.00	814.0	Jicarilla D #22Y - PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
-4926.0	2465.4	Ojo Alamo
-4788.0	2613.0	Kirtland
-4203.0	3238.7	Fruitland Coal
-3920.0	3541.4	Pictured Cliffs
-3830.0	3637.7	Lewis
-3366.0	4117.5	Huerfano Bentonite
-2980.0	4504.1	Chacra
-2332.0	5152.1	Massive Cliff House
-2255.0	5229.1	Menefee
-1592.0	5892.1	Massive Point Lookout
-1257.0	6227.1	Mancos
0.0	6355.0	Cubero
0.0	6355.0	Encinal
0.0	6355.0	Graneros
0.0	6355.0	Greenhorn
0.0	6355.0	Paguate
0.0	6355.0	Two Wells
0.0	6355.0	Upper Gallup



**Directions from the Intersection of US Highway #550 & US Highway #64
in Bloomfield, New Mexico to ConocoPhillips Company Jicarilla D #22**

1215' FSL & 1060' FWL, Section 32, T26N, R3W, Rio Arriba County, New Mexico

From the intersection of US Highway #550 & US Highway #64 in Bloomfield, NM, travel Southerly on US Highway #550 for 66.1 miles to State Highway #537;

Go left (North-easterly) on State Highway #537 for 23.8 miles;

Go right (North-easterly) for 0.1 miles to staked location which overlaps an existing wellpad.