

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

JAN 20 2010

Bureau of Land Management
Farmington Field Office

RCVD JUN 3 '10
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-077974 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 Lodewick 9. Well Number 100
4. Location of Well Surf: Unit J(NWSE), 1350' FSL & 1655' FEL Surf: Latitude: 36.571461° N (NAD83) Longitude: 107.826044° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 18, T27N, R9W API # 30-045- 35095
14. Distance in Miles from Nearest Town 26 miles / Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1350'	
16. Acres in Lease 642.400	17. Acres Assigned to Well 320.00 E/2 - FC
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 70' from Lodewick 3E	
19. Proposed Depth 2600'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6505' 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)	Date <u>1/20/10</u>

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 2

Bond Numbers ES-0048 and ES-0085

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

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

JUN 04 2010

NMOCD

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

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- 35098		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 31821	*Property Name LODEWICK		*Well Number 100
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6505'

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
J	18	27-N	9-W		1350	SOUTH	1655	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. J	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹³ Dedicated Acres FC 320.0 ACRES E/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

16

LOT 1

USA
SF-077974

LOT 2

18

LOT 3

LOT 4

K-Y-W

LATITUDE: 36°34.2872' N
LONGITUDE: 107°49.5256' W
NAD27

LATITUDE: 36.571461° N
LONGITUDE: 107.826044° W
NAD83

1655'

1350'

FND GLO
"1947" BC

FND GLO
"1947" BC

FND GLO
"1947" BC

2620.04'
N100°15'07"E

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

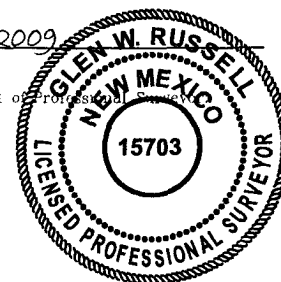
Signature Crystal Tafoya 9/3/09
Printed Name Crystal Tafoya 9-3-09

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 25, 2009
Date of Survey

Signature and Seal of Professor



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LODEWICK 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9100		AFE \$: 971,510.40	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #1		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27 Straight-Hole

Latitude: 36.571453	Longitude: -107.825428	X:	Y:	Section: 18	Range: 009W
Footage X: 1655 FEL	Footage Y: 1350 FSL	Elevation: 6505	(FT)	Township: 027N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6516	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6396	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1466	5050	<input type="checkbox"/>			
KIRTLAND	1618	4898	<input type="checkbox"/>			
FRUITLAND	2008	4508	<input type="checkbox"/>			Gas
FRUITLAND COAL	2182	4334	<input type="checkbox"/>			
PICTURED CLIFFS	2400	4116	<input type="checkbox"/>	259		Gas; TD - 200' below T/PCCF
Total Depth	2600	3916	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 399 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Lodewick 1S	27N 9W 18 N2 SW SW
Production	Lodewick 8-E	27N 9W 19 SE NW NE
Production	Lodewick 4-E	27N 9W 18 SW NE NE
Production	Lodewick 3	27N 9W 18 SW SW

Logging Program:

Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo
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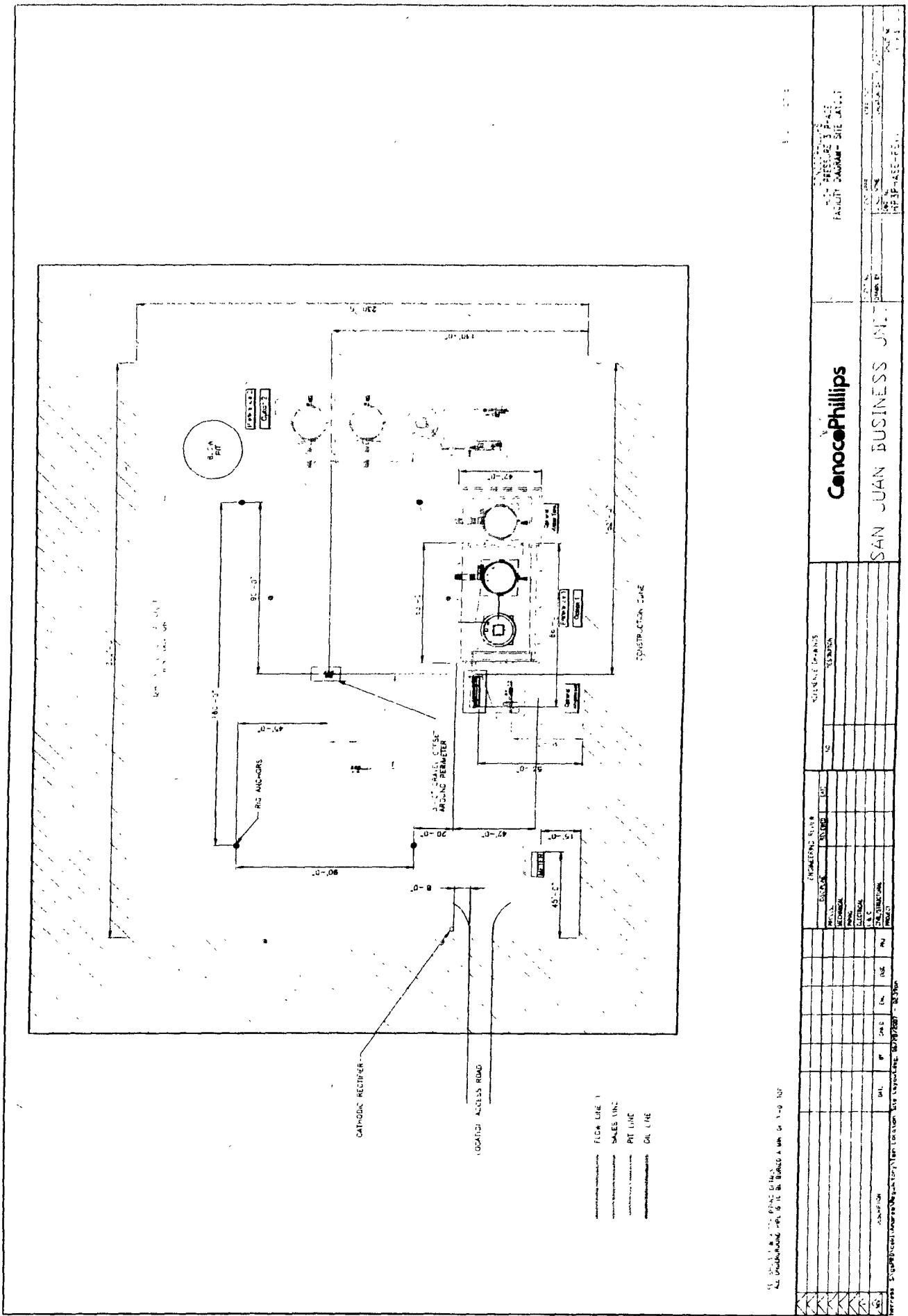
TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
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Cased Hole GR / CBL

Additional Information:

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



CanocoPhillips

SAN JUAN BUSINESS UNIT

**Pressure 3 Phase
Facility Diagram - Site Plan**

Engineering Review		Scientific Review		Safety Review		Environmental Review		Regulatory Review		Other Review		Approval		Comments	
Discipline	Reviewed By	Discipline	Reviewed By	Discipline	Reviewed By	Discipline	Reviewed By	Discipline	Reviewed By	Discipline	Reviewed By	Discipline	Reviewed By	Discipline	Reviewed By
Process		Process		Process		Process		Process		Process		Process		Process	
Electrical		Electrical		Electrical		Electrical		Electrical		Electrical		Electrical		Electrical	
Instrumentation		Instrumentation		Instrumentation		Instrumentation		Instrumentation		Instrumentation		Instrumentation		Instrumentation	
Control		Control		Control		Control		Control		Control		Control		Control	
Structural		Structural		Structural		Structural		Structural		Structural		Structural		Structural	
Foundation		Foundation		Foundation		Foundation		Foundation		Foundation		Foundation		Foundation	
Roofing		Roofing		Roofing		Roofing		Roofing		Roofing		Roofing		Roofing	
Exterior		Exterior		Exterior		Exterior		Exterior		Exterior		Exterior		Exterior	
Interior		Interior		Interior		Interior		Interior		Interior		Interior		Interior	
MEP		MEP		MEP		MEP		MEP		MEP		MEP		MEP	
Architectural		Architectural		Architectural		Architectural		Architectural		Architectural		Architectural		Architectural	
General		General		General		General		General		General		General		General	
Other		Other		Other		Other		Other		Other		Other		Other	

1. All dimensions are in feet and inches.
2. All dimensions are to the center of the line unless otherwise noted.

Directions from the Post Office
in Blanco, NM to
CONOCOPHILLIPS COMPANY
LODEWICK 100
1350' FSL & 1655' FEL,
Section 18, T27N, R9W, N.M.P.M.,
SAN JUAN, NEW MEXICO
Latitude: 36° 34' 17.261" N
Longitude: 107° 49' 33.757" W
Nad 1983

From the Intersection of Hwy 550 &
Hwy 64 in Bloomfield, NM

Take Highway 550 (south) for 15.8 miles to CR 7225
Turn left (east) on CR 7225 for 4.5 miles,
Continue straight (northeasterly) on CR 7225 for 1.6 miles
across cattle guard,
Continue (northeasterly) on CR 7225 1.8 miles,
Turn left (northerly) 0.3 miles,
Stay left (northwesterly) 1.0 miles,
Continue through intersection (northwesterly) 0.5 miles,
Turn right (east) 0.1 miles,
Turn left (north) 100' to newly staked location twinned with existing
location (LODEWICK UNIT 3E)