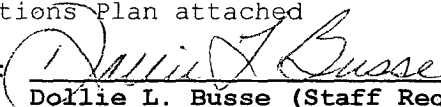


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

AUG 16 2010

1a. Type of Work DRILL	5. Lease Number SF-077107-C Farmington Field Office Bureau of Land Management Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips Company	7. Unit Agreement Name RCVD NOV 5 '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 Michener 9. Well Number 100	
4. Location of Well Surf: Unit E (SWNW), 2193' FNL & 438' FWL Surf: Latitude: 36.619710° N (NAD83) Longitude: 107.801452° W	10. Field, Pool, Wildcat Basin FC/S. Blanco PC/Wildcat FS 11. Sec., Twn, Rge, Mer. (NMPM) Unit E, Sec. 33, T28N, R9W API # 30-045-35191	
14. Distance in Miles from Nearest Town 27.3 miles from Bloomfield NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 438'		
16. Acres in Lease 160.000	 H ₂ S POTENTIAL EXIST	
17. Acres Assigned to Well 320.0 N/2 (FC) - 160.0 NW/4 (PC/FS)		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1395.3' from Michener BLS 1 (PC)		
19. Proposed Depth 3191' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6869' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Dollie L. Busse (Staff Regulatory Tech)	8-17-10 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

HOLD C104 FOR NSL

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

NMOC

JAN 05 2011

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 I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

AUG 18 2010

Farmington Field Office
Bureau of Land Management
South Blanco

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Wildcat WC 28N9W33E

¹ API Number 30-045-35191	² Pool Code 72439/71629/	³ Pool Name BASIN FRUITLAND COAL / PICTURED CLIFFS / FRUITLAND SAND
⁴ Property Code 31825	⁵ Property Name MICHENER	⁶ Well Number 100
⁷ OGRID No. 21787	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6869

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
E	33	28-N	9-W		2193	NORTH	438	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

¹² Dedicated Acres FC -320.0- N/2 PC/FS -160.0- NW/4	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 GLO 1916 S 89°56'01" W WEST 2644.8' (M) 2640.0' (R) 2649.1' (M) 2640.0' (R)	NW/4 DEDICATED ACREAGE USA SF-077107-C	N/2 DEDICATED ACREAGE USA SF-077107
2193' N 001°28' E N 008' E 438' 465'	WELL FLAG NAD 83 LAT: 36.619710° N LONG: 107.801452° W NAD 27 LAT: 36°37.182172' N LONG: 107°48.050217' W	SECTION 33, T-28-N, R-9-W
GLO 1916	BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.	
LOT 1	LOT 2	LOT 3
		LOT 4

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.

Brandie Blakley
Signature

Brandie Blakley
Printed Name

Staff Regulatory Technician
Title and E-mail Address

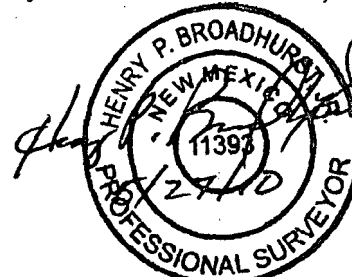
06-02-2010
Date

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.

Date of Survey: 3/31/10

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

MICHENER 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9412		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	Phone:
Geoscientist:		Phone:		Prod. Engineer:	Phone:
Res. Engineer:		Phone:		Proj. Field Lead:	Phone:

Primary Objective (Zones):

Zone	Zone Name
RCO087	FRUITLAND SAND(RCO087)
JCV	BASIN FRUITLAND COAL (GAS)
R20006	PICTURED CLIFFS(R20006)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.619703	Longitude: -107.800836	X:	Y:	Section: 33	Range: 009W
Footage X: 438 FWL	Footage Y: 2193 FNL	Elevation: 6869	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6884		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6764		☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1972	4912		☐			
KIRTLAND	2096	4788		☐			
FRUITLAND	2548	4336		☐			Gas
FRUITLAND COAL	2700	4184		☐			
PICTURED CLIFFS	2991	3893		☐	266		Gas; TD - 200' below T/PCCF
Total Depth	3191	3693		☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 427 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Daum 8	28N 9W 32 SW NE SE
Production	Storey C LS 13M	28N 9W 33 NW SE NW
Production	Delhi Storey 1	28N 9W 33 SW SW

Logging Program:

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

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

MICHENER 100

2193' FNL, 438' FWL

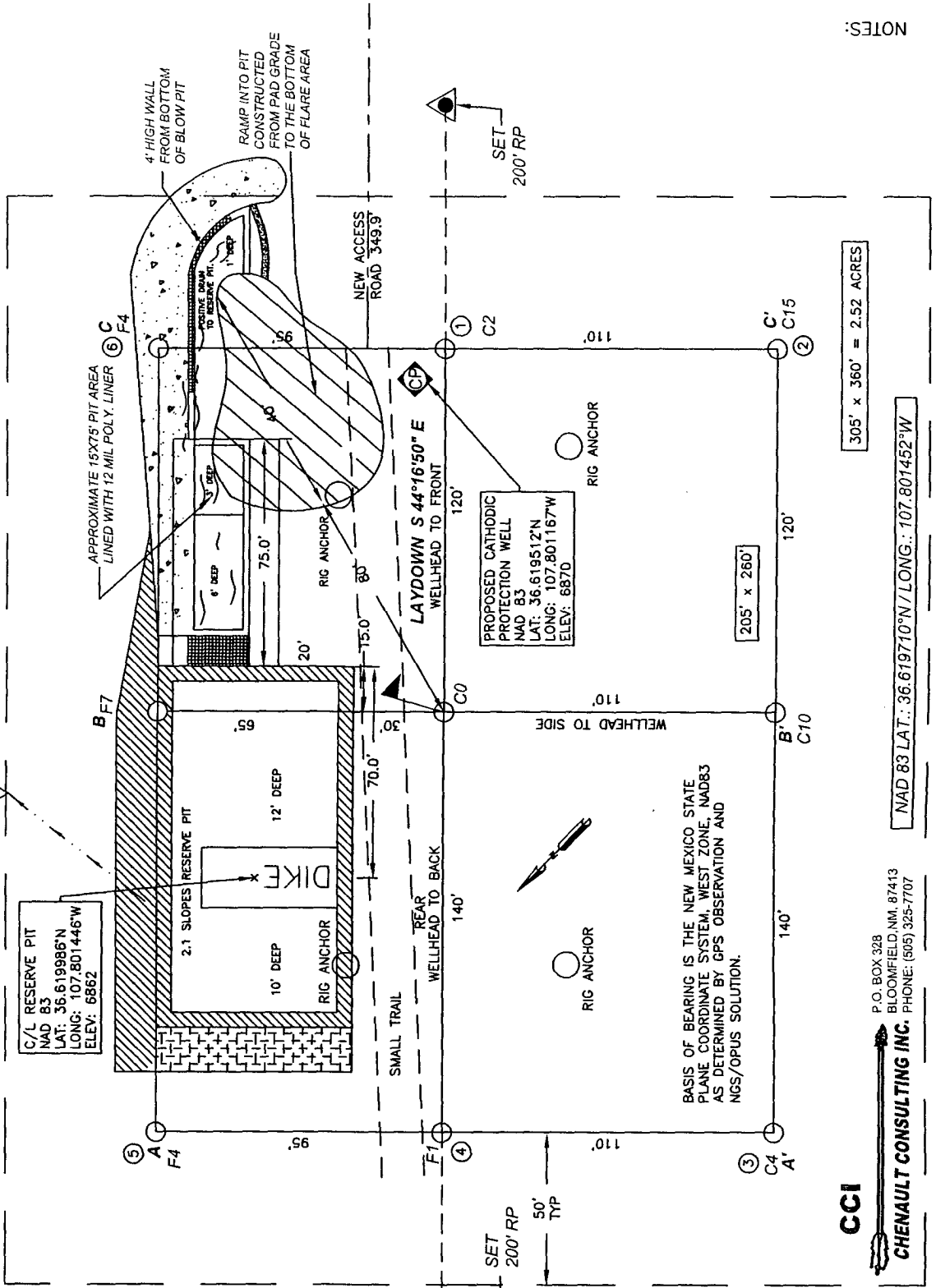
SECTION 33, T-28-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6869 NAVD88 DATE: MARCH 31, 2010

NEW ACCESS 349.9'

TOP OF SLOPE



NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CCI

P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 325-7707

CHENAU CONSULTING INC.

NAD 83 LAT.: 36.619710°N / LONG.: 107.801452°W

305' x 360' = 2.52 ACRES

CONOCOPHILLIPS COMPANY
MICHENER 2193' FNL, 438' FWL
SECTION 33, T-28-N, R-9-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.619710°N LONG.: 107.801452°W
ELEV.: 6869 NAVD88
NEW ACCESS 349.9'

FROM BLOOMFIELD N.M, GO 9 MILES EAST ON HWY. 64 TO BLANCO, N.M. FROM BLANCO:

- GO 1.3 MI. EAST ON HWY. 64 TO MILE POST 74.
- TURN RIGHT ON C.R. 4450 (LARGO CANYON).
- GO 4.2 MI. SOUTH, AND CROSS LARGO WASH AT "5 MILE BRIDGE".
- AFTER CROSSING LARGO WASH, GO ANOTHER 3.0 MI. SOUTHEAST. TURN RIGHT ON C.R. 7007 (7.2 MI. FROM HWY. 64), ENTERING BLANCO CANYON.
- GO 5.2 MI. SOUTH ON C.R. 7007 AND TURN RIGHT ON C.R 7225 HEADING WEST, INTO JAQUEZ CANYON.
- GO 0.5 MI. WEST. TURN RIGHT ON C.R. 7220, HEADING NORTHWEST TO HARRIS MESA PASS.
- GO 3.6 MI. NORTHWESTERLY, UP PASS, AND ON TOP OF HARRIS MESA. TURN RIGHT.
- GO 0.2 MI. NORTH. TURN LEFT (WEST).
- GO 0.3 MI. BEGIN 350' NEW ACCESS ON THE RIGHT (NORTH) SIDE OF ROAD @ OLD TRAIL.