

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 31 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED DEC 12 2008 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078813 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Cooper 9. Well Number #100S
4. Location of Well Unit H (SENE), 2192' FNL & 665' FEL Surf: Latitude 36° 74149 N Longitude 108° 02622 W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) h Sec. 7, T29N, R11W API # 30-045-34875
14. Distance in Miles from Nearest Town 4.1 mile/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 665'		
16. Acres in Lease 617.8	17. Acres Assigned to Well FC 320 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 380' from Cooper B 1 - CH		
19. Proposed Depth 2089'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5727' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	12-11-08 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 12/30/08

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 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

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

NMOC D

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

JAN 07 2009

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

DISTRICT II
1301 W. 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

RECEIVED

DEC 12 2008

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Bureau of Land Management
Farmington Field Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34875		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 18498	*Property Name COOPER		*Well Number 100 S
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 5727'

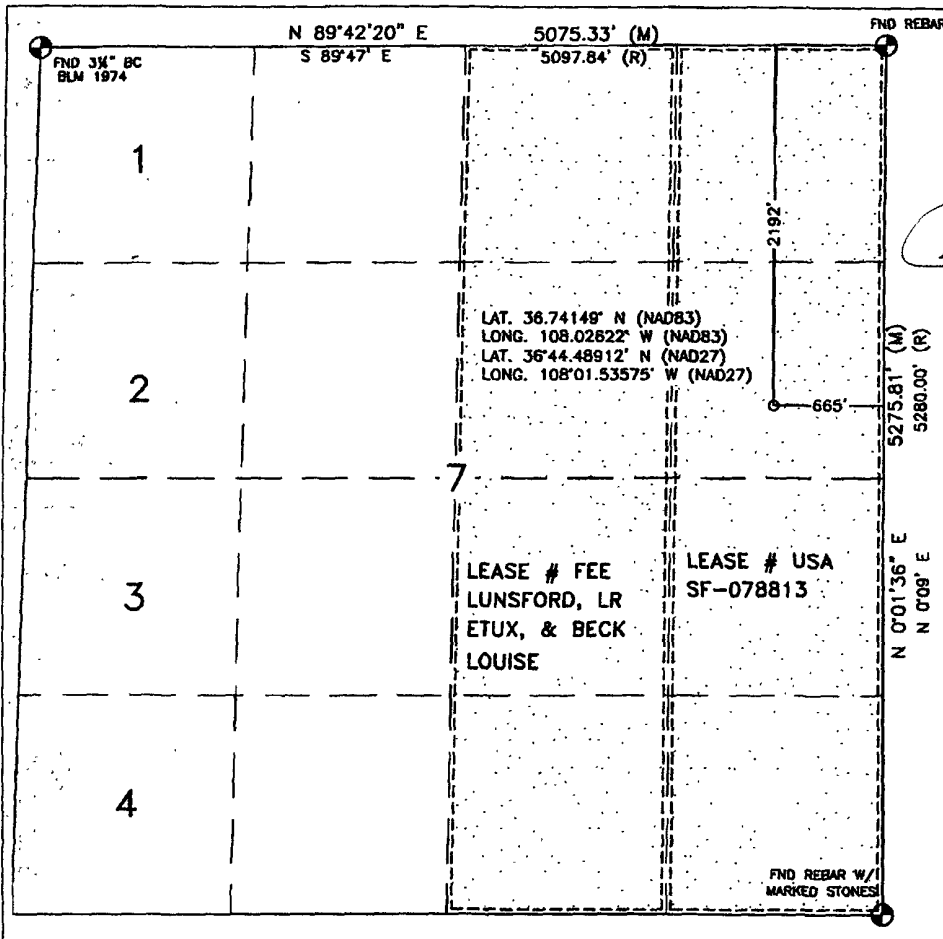
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	7	29N	11W		2192'	NORTH	665'	EAST	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
H									
*Dedicated Acres 320.0 Acres - (E/2)			*Joint or Infill		*Consolidation Code		*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



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 or a compulsory pooling order heretofore entered by the division.

Signature: *Rhonda Rogers* Date: 6/5/08

Printed Name: Rhonda Rogers

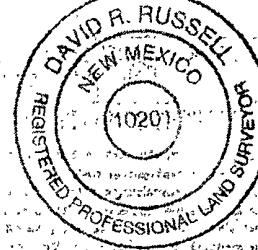
¹⁸ SURVEYOR CERTIFICATION

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: MAY 21, 2008

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number: 10201

NMOCD

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.RFE.PD08.G4

WELL NAME

COOPER # 100 S

DATE

6/4/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES**SEC**

H 7

TNSHP

29 N

RANGE

11 W

LATITUDE

36.74149 N

LONGITUDE

108.02622 W

COUNTY

SAN JUAN

RECTIFIER**SIZE**

30/12

NEEDED

X

EXISTINGSOLARGROUND BED

X

240 V METER POLE480 V METER POLE

X

D C CABLES

8

200'

A C CABLES

8

250'

PRIMARY POWERDISTANCE TO POWER

CITY OF FMN

120'

UNDERGROUNDPUMPJACKWATER PUMP**COMMENTS**

CITY OF FMN PHASE 1 PRIMARY 120'

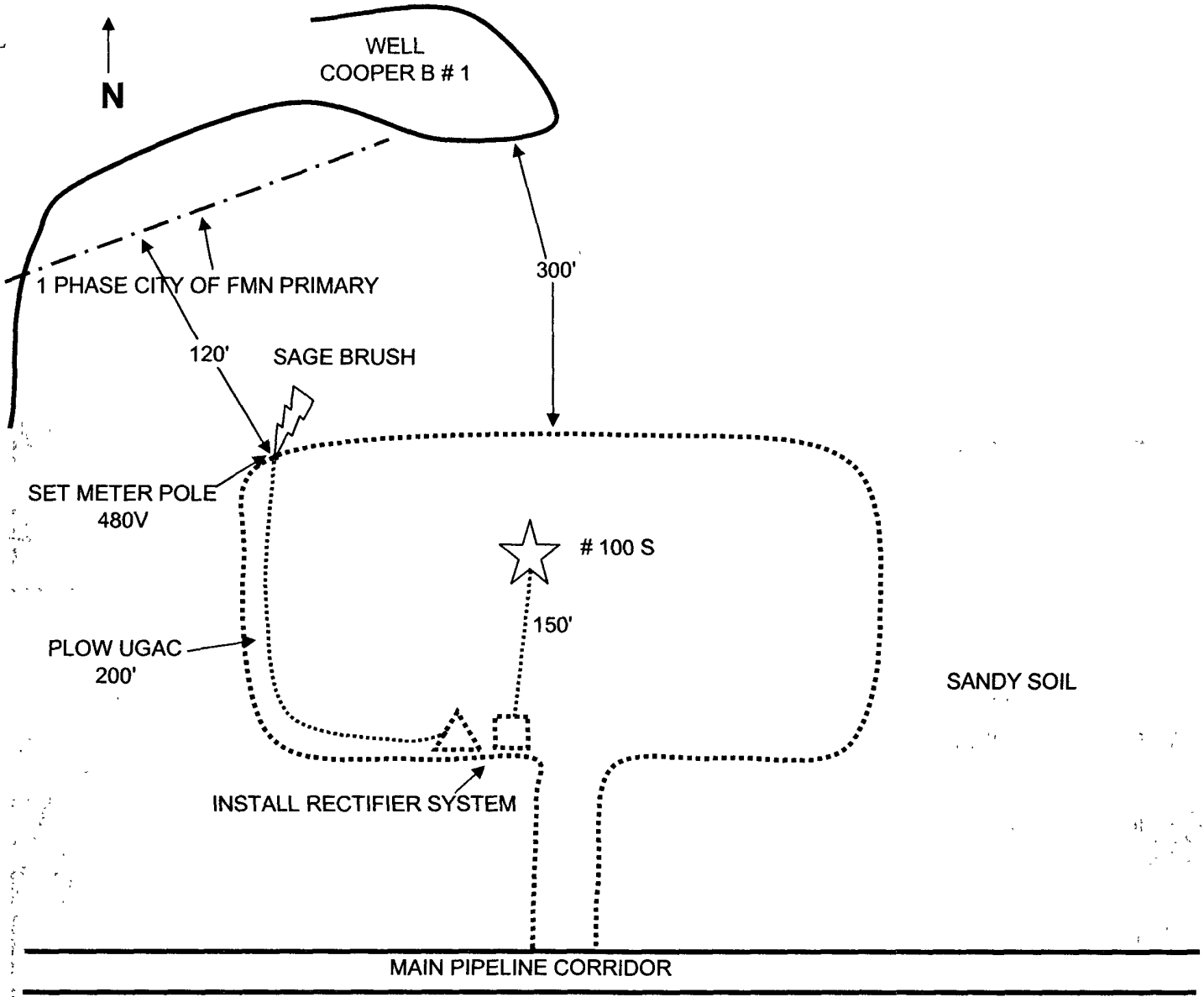
INSTALL 30/12 RECTIFIER SYSTEM

PLOW UGAC 200'

INSTALL 480V METER POLE need lift pole from city

SAGE BRUSH AND SANDY SOIL

WELL NAME
COOPER # 100 S



TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE
			FOREIGN PL		CONOCO PL

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

COOPER 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8171		AFE \$: 255,687.49	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.741485	Longitude: -108.025596	X:	Y:	Section: 07	Range: 011W
Footage X: 665 FEL	Footage Y: 2192 FNL	Elevation: 5727 (FT)	Township: 029N		
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
Formation Data: Assume KB = 5738 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5618	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	582	5156	<input type="checkbox"/>			
KIRTLAND	707	5031	<input type="checkbox"/>			
FRUITLAND	1595	4143	<input type="checkbox"/>	150		Gas
PICTURED CLIFFS	1889	3849	<input type="checkbox"/>			Gas
Total Depth	2089	3649	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 321 cuft. Circulate cement to surface.

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:

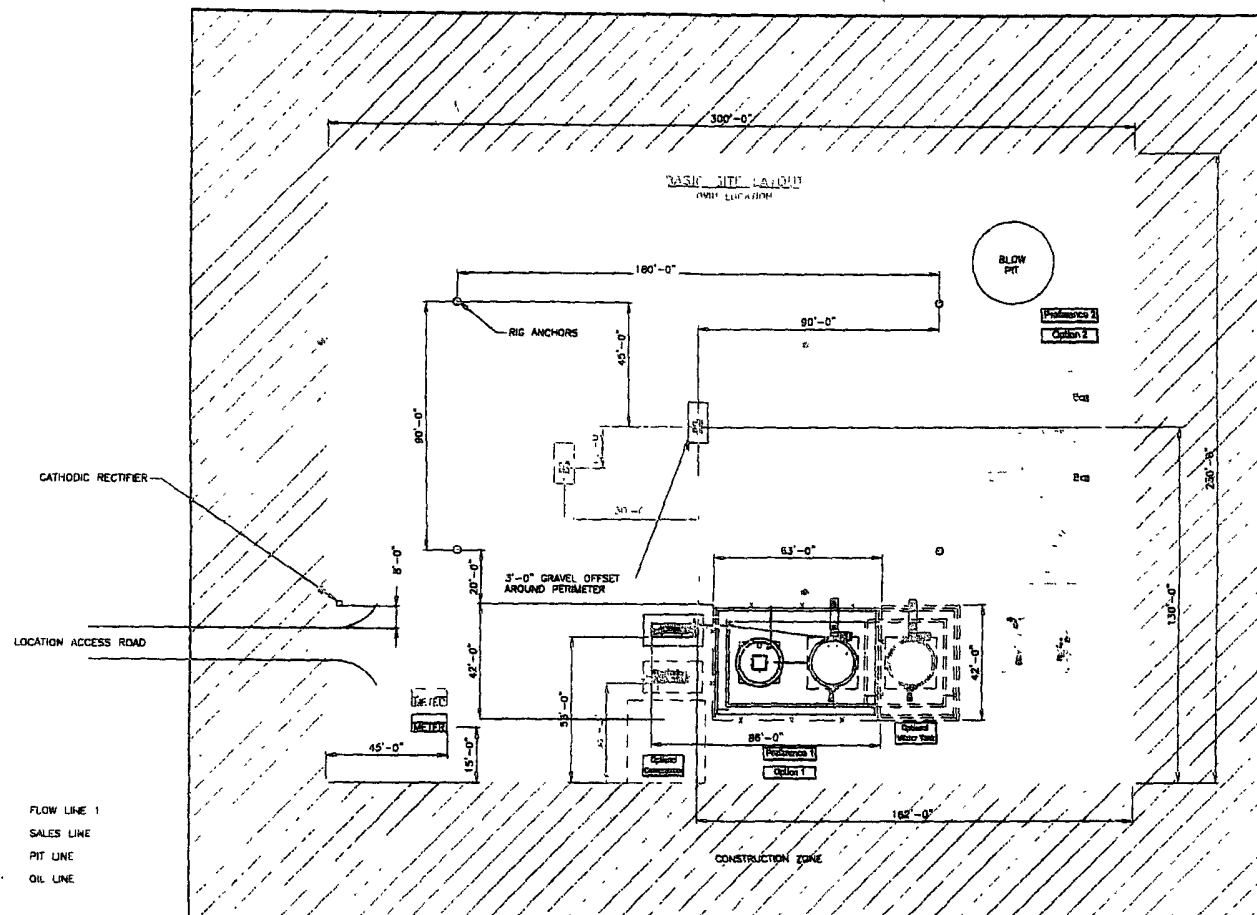
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - Twinning option at Cooper B 1 (Chacra/DK). Stay 800' away from producing PC well (Cooper 9). Prefer H, G, B, A.

Zones - FCNM029N011W07NE1

General/Work Description - 8/22/08-MPM: AFE appr'd w/o closed loop costs. Well can support additional costs if necessary, but quick scan of topo and aerial doesn't give any reason to think it will be closed-loop drilled.

IIDF



SEE SHEET 3 & 4 FOR INPAD DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		ConocoPhillips		CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT				
										DESIGNER	REVIEWED	DATE	NO.	NO.			DESCRIPTION	CUSTOMER No.	CUSTOMER APPR.	APPROV. DATE	
										PROCESS											
										MECHANICAL											
										PIPING											
										ELECTRICAL											
										C&I											
										CONSTRUCTION PROJECT											
DESCRIPTION										DATE	BY	CHK'D	ENG	DES	PRJ	SAN JUAN BUSINESS UNIT			CUSTOMER No.	CUSTOMER APPR.	APPROV. DATE
																			DESIGN No.	SCALE: AS SHOWN	ENGIN. DATE 6/20/90
																			CON. No.	HP3PHASE-REV1	SHEET No. 1 of 5

San Juan Business Unit Location Site Layout, 06/20/90, 10/22/90 - 22350

BURLINGTON RESOURCES O&G CO LP

COOPER #100 S
2192' FNL & 665' FEL
LOCATED IN THE SE/4 NE/4 OF SECTION 7,
T29N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & CR 5030, NORTH OF BLOOMFIELD, GO WEST ON CR 5030 FOR 2.6 MILES TO BEGIN ACCESS ON RIGHT.

WELL FLAG LOCATED AT LAT. 36.74149°N, LONG. 108.02622°W (NAD 83).