UNITED STATES DEPARTMENT OF THE INTERIOR

FEB 17 2011

	BUREAU OF LAND	;	
	APPLICATION FOR PERMIT TO DE	RILL, DEEPEN, OR PLUG BACK, and Management	
1a.	Type of Work DRILL	5. Lease Number USA SF-080781 Unit Reporting Number	
1b.	CAS	5. Lease Number USA SF-080781 Unit Reporting Number 5. If Indian, All. or Tribe 7. Unit Agreement Name	
2.	Displacement	7. Unit Agreement Name	
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Cain 9. Well Number 14S	
4.	Location of Well Surface: Unit E (SWNE), 2210' FNL & 66	10. Field, Pool, Wildcat	
	Surface: Latitude: 36.66345° N (NAD8 Longitude: 107.90765° W	•	
		API# 30-045- 352.57	
14.	Distance in Miles from Nearest Town 8 Miles from Bloomfield, NM	12. County 13. State San Juan NM	
15.	Distance from Proposed Location to Nearest Proper	rty or Lease Line	
16.	666' Acres in Lease 2,258.460 Acres	17. Acres Assigned to Well 320.00 Acres	
18.	Distance from Proposed Location to Nearest Well, D	Orlg, Compl, or Applied for on this Lease	
19.	1331' from BR-Cain #13 (PC) Proposed Depth 2102'	20. Rotary or Cable Tools Rotary	- }-
21.	Elevations (DF, FT, GR, Etc.) 5797' GL	22. Approx. Date Work will Start	JES JEN
23.	Proposed Casing and Cementing Program See Operations Plan attached	H ₂ S POTENTIAL EXIST	24 HR CEME
24.	Authorized by: DANAL Staff Re	2-16-11	CASING &
PERM	IIT NO.	APPROVAL DATE	YSIN
APPR	OVED BY ANGELOS THEE	AFM DATE 5/18/11	AZI OC/
Threat NOTE: Title 18 States	tened and Endangered Species Report attached This format is issued in lieu of U.S. BLM Form 3160-3 B U.S.C. Section 1001, makes it a crime for any person knowingly a any false, fictitious or fraudulent statements or presentations as to mple Master Plan Type 2 Bond Number	ers NMB-000015 and NMB-000089	PRIOR TO
proce	action is subject to technical and source review pursuant to 43 CFR 3165.3 appeal pursuant to 43 CFR 3165.4 JUN 0 2 2011	BLM'S APPROVAL OR ACCEPTANCE ACTION DOES NOT RELIEVE THE LI OPERATOR FROM OBTAINING ANY AUTHORIZATION REQUIRED FOR O	ESSEE A. OTHER
	ING OPERATIONS AUTHORIZED ARE CT TO COMPLIANCE WITH ATTACHED	ON FEDERAL AND INDIAN LANDS	

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

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

FEB 17 2014 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION aming on Field Office 1220 South St. Francis Drivipau of Land Management AMENDED REPORT

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

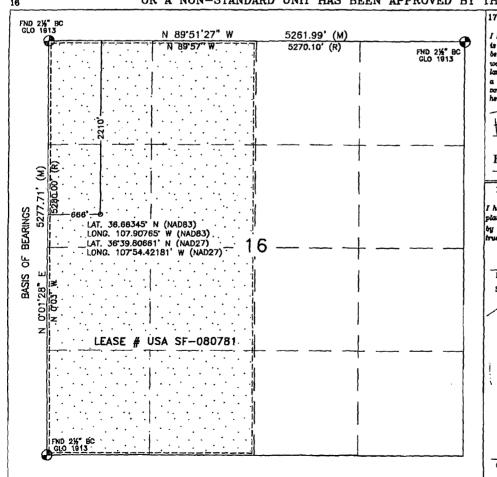
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	Pool Code	Pool Name			
30-045- 35254	71629	BASIN FRUITLAND COAL			
*Property Code		^a Property Name	Well Number		
18487		CAIN	14 S		
YOGRID No.		Operator Name	⁸ Elevation		
217817	BURLINGTON RESOURCES OIL & GAS COMPANY LP				

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	16	28N	10W		2210'	NORTH	666'	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
Dedicated Acres			19 Joint or	Infill	¹⁴ Consolidation Code		¹³ Order No.		
320.00 ACRES - W/2			}		ļ				

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 I herely certify that the information contained neven is true and complete to the best of my knowledge and belief, and that this organisation 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 heretofore entered by the division.

Signature

Brandie Blakley 6-21-10

Printed Name

18 SURVEYOR CERTIFICATION

olat was plotted from field notes of actual surveys ma by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 24, 2010 Date of Survey ON IN MEDICAL HEN MEXICO 1020 OFESSIONAL LAND

DAVID RUSSELL

Cartificate Number 10201



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

	mon billi diadaaan
CAIN 14S	DEVELOPMENT

Lease:			AFE #: WAN.CDR.0041			AFE \$: 0.00		
Field Name: SAN JUAN Rig: Az			Rig 711 State: NM		e: ^{NM} Cour	inty: SAN JUAN API #:		
Geologist:		Phone:		Geophysicist:		Ph	one:	
Geoscientist:		Phone:		Prod. Enginee	er:	Ph	ione:	
Res. Engineer:		Phone:		Proj. Field Lea	ad:	Ph	none:	
Primary Object								
Zone	Zone Name							
JCV	BASIN FRUITLAND	COAL (GAS)						
		A notice Table Towns			and the second s			
Location: Surfac		m Code: NAD	26				Straight Hole	
Latitude: 36.6634	44 Longitude: -	·107.907030 X		Y:	Sec	tion: 16	Range: 010W	
Footage X: 666 F	WL Footage Y: 2	2210 FNL E	evation: 5797	(FT) Townsh	ip: 028N			
Tolerance:								
Location Type: Ye	ar Round	Start Dat	e (Est.): 1/1/2013	Completion	Date:	Date In Op	peration:	
Formation Data:	Assume KB = 5812	2 Units = F	Г					
Formation Call &		epth SS	MD Depletion	BHP		0	_	
Casing Points	(TVD	in Ft) (Ft)	(Ft) (Yes/No)	(PSIG) BHT		Remark		
Surface Casing	1	20 5692				" 20 ppf, J-55 STC on ent to surface.	csg. Cement with 50 cuft.	
OJO ALAMO	7	88 5024						
KIRTLAND	9	24 4888						
FRUITLAND	14	137 4375			Gas			
FRUITLAND COAL	17	713 4099		175				
PICTURED CLIFFS	19	902 3910		87	Gas; TD - 200)' below T/PCCF		
Total Depth	21	102 3710					, STC casing. Cement	
Reference Wells					with 282 cuft	. Circulate cement to	surface.	
	Well Name		Comments		3.00			
	Cain 13		8N 10W 16 NW NW					
Production	Kutz H 2	2	8N 10W 17 NW SE I	NE .				
Production	Day H 2R	[2	8N 10W 17 SW NE	NE				
Production	Cain 9E	2	8N 10W 16 SE NW 1	WV				
Logging Program:								
Intermediate Logs: Log only if show GR/ILD Triple Combo								
TD Logs:								
Cased Hole GR / CBL								
Additional Information:								
1 T	84	E (E1)	T- (F4)	-		T 5		
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Na	ame	Remarks		

Comments:

Printed on: 2/16/2011 4:12:45 PM

2 75 t 12143 HOH FRISSUE 3 FUST FACULTY DAGRAM SIE LAYOF SAN JUAN BUSINESS UNITHER Cake CenacaPhillips F J 10 mg PASSIC SITE LATORIT S ANGLES CHEST AIG ANCHORS Caracia accinica טיכא אפתובה אפורכה

The second secon

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BURLINGTON RESOURCES OIL & GAS COMPANY LP

CAIN #14 S
2210' FNL & 666' FWL
LOCATED IN THE SW/4 NW/4 OF SECTION 16,
T28N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLOOMFIELD, TRAVEL EAST ON HWY 64 TO HWY 550 SOUTH.
- 2) TURN RIGHT AND TRAVEL HWY 550 SOUTH 1.6 MILES TO CR 4980.
- 3) TURN LEFT AND TRAVEL 1.8 MILES.
- 4) TURN LEFT ON DIRT ROAD AND TRAVEL 0.9 MILES AROUND PLANT.
- 5) TURN LEFT AND TRAVEL 1.7 MILES.
- 6) TURN RIGHT AND TRAVEL 0.2 MILES.
- 7) TURN LEFT AND GO 0.8 MILES TO "Y" INTERSECTION.
- 8) STAY RIGHT AND TRAVEL 0.5 MILES.
- 9) TURN RIGHT AND TRAVEL 0.5 MILES TO FLAGGED ACCESS ON RIGHT.

WELL FLAG LOCATED AT LAT. 36.66345° N, LONG.107.90765° W (NAD 83).

R

Russell Surveying 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 (505) 334-8637