

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 20 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK ^{Farmington Field Office}
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number USA SF-068990 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 RCVD JAN 9 '12
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Shiotani Federal 9. Well Number 500S OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit O (SWSE), 1085' FSL & 1600' FEL Surface: Latitude: 36.737053° N (NAD83) LOT 8 Longitude: 108.118292° W	10. Field, Pool, Wildcat Basin FC/Fulcher Kutz PC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 8, T29N, R12W API # 30-045- 33231
14. Distance in Miles from Nearest Town 8.4 Flora Vista	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1085'	
16. Acres in Lease 1123.270	17. Acres Assigned to Well FC 322.86 acres E/2 PC 162.86 acres SE/4
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1085	
19. Proposed Depth 1878' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5664' 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: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	<u>10/19/11</u> 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

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

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

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

NMOCD
JAN 17 2012

PC

C. HARRADEN/ October 20, 2011 *CH*

BURLINGTON RESOURCES/ Shiotani Federal #500S APD

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

STIPULATION/CONDITION OF APPROVAL

This well is located in a growing area where home development is occurring and water wells are being drilled into the Ojo Alamo aquifer. In order to protect the integrity of the Ojo Alamo fresh water aquifer, a minimum surface csg. depth of 461' is stipulated as a condition of approval for this APD.

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 86210

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

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-33231	² Pool Code 71629/77200	³ Pool Name FULCHER BASIN FRUITLAND COAL, KUTZ PICTURED CLIFF
⁴ Property Code 13840	⁵ Property Name SHIOTANI FEDERAL	⁶ Well Number 500S
⁷ OGHD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5664'

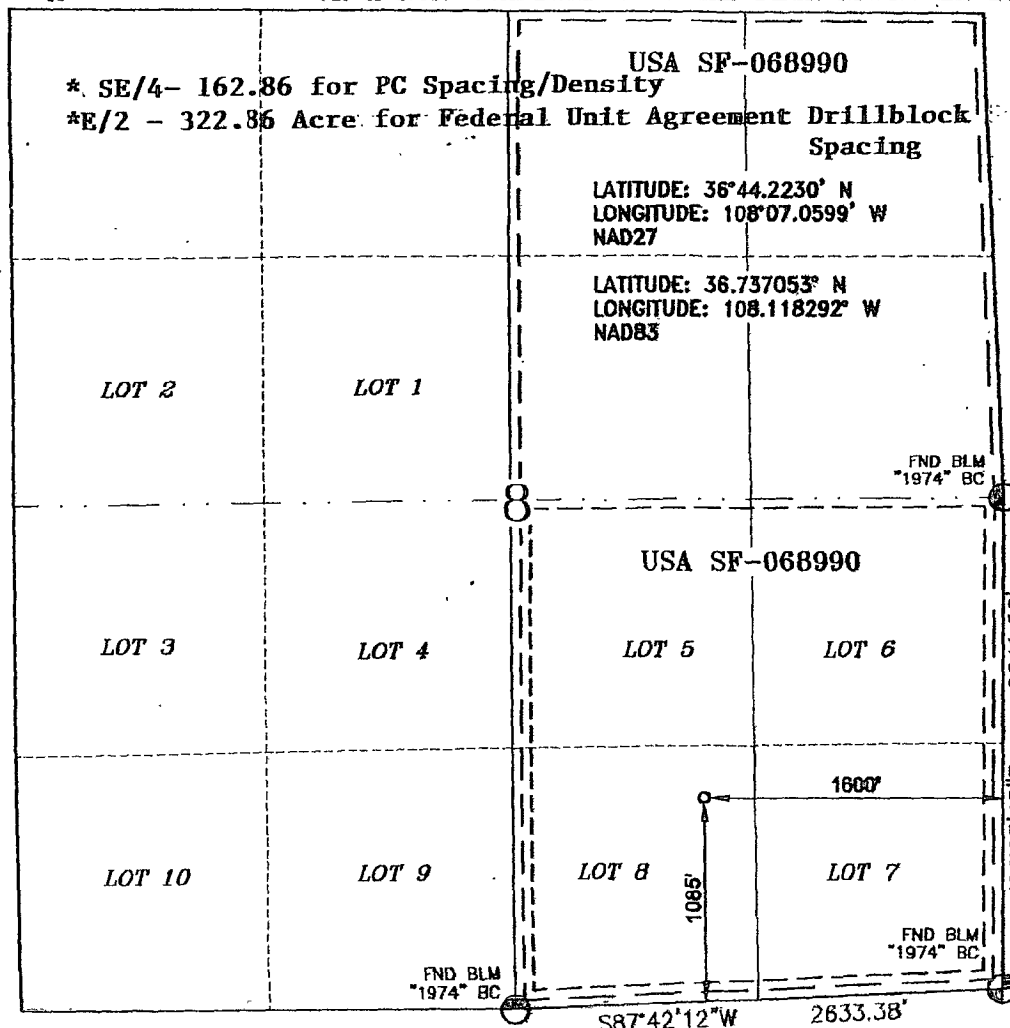
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	8	29-N	12-W	8	1085	SOUTH	1600	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
0									
¹² Dedicated Acres FC 322.86 ACRES E/2 PC 162.86 ACRES SE /4 *					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



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 retained mineral interest in the land underlying 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 Tafoya 3/10/09
Signature
Crystal Tafoya 3-10-09
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.

3-4
Date of Survey
Signature
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Galen A. Russell
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SHIOTANI FEDERAL 500S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8231		AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):	
Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
UPL	BLANCO PICTURED CLIFFS

Location: Surface		Datum/Code: NAD 27		Straight Hole	
Latitude: 36.737049	Longitude: -108.117665	X:	Y:	Section: 08	Range: 012W
Footage X: 1600 FEL	Footage Y: 1085 FSL	Elevation: 5664	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5677		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120 461 (See COA)	5557		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	240	5437		<input type="checkbox"/>			
KIRTLAND	388	5289		<input type="checkbox"/>			
FRUITLAND	1083	4594		<input type="checkbox"/>			Gas
PICTURED CLIFFS	1678	3999		<input type="checkbox"/>	480		Gas
Total Depth	1878	3799		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 252 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

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
GR/CBL	

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

Directions from the Intersection of Highway 516 and CR 350
in Flora Vista, NM to

Burlington Resources Oil & Gas Company LP

SHIOTANI FEDERAL 500S

1085' FSL & 1600' FEL,

Section 8, T29N, R12W, N.M.P.M.,

San Juan County, New Mexico

Lat: 36° 44' 13.39291" N

Long: 108° 07' 05.85194" W

Nad 1983

Go southerly for 5.0 miles on CR 350 across the

Animas River to the over Crouch Mesa,

Turn right (westerly) 3.3 on CR 390 miles,

Turn left (southerly) 0.4 miles,

to the newly staked location twinned on existing well pad,

HUDSON 1E.

DRILLING CONDITIONS OF APPROVAL

Operator: Burlington Resources
Lease No.: NMSF-068990
Well Name: Shiotani #500S
Well Location: Sec. 8, T29N, R12W; 1085' FSL & 1600' FEL

Due to increased depth for the surface casing, the cement volume must be adjusted to circulate cement back to surface.

Onshore order #2 Casing and Cementing Requirements: *The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.*



After hour contact: Troy Salyers 505-360-9815