

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
JUN 03 2008
Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number Navajo I-149-IND-8473 Unit Reporting Number NMNM 91260	
1b. Type of Well GAS	6. If Indian, All. or Tribe Navajo Nation Allotted	
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 HL Gentle 9. Well Number #1S	
4. Location of Well Surf: Unit G (SWNE), 2175' FNL & 1860' FEL Surf: Latitude 36.54737° N Longitude 107.73751° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 25, T27N, R9W API # 30-045-34727	
14. Distance in Miles from Nearest Town 30 mile/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1860'	17. Acres Assigned to Well 320 Acres E/2	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 201' to Navajo 4-1		
19. Proposed Depth 2311'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6156' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	Date	

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.

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 10/28/08

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOCD
by

NOV 07 2008

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

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

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

DISTRICT III
1000 Rte Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South 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
Bureau of Land Management
Alamogordo Field Office

RECEIVED
03 2500

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 30-045-34727		² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 16343	⁵ Property Name H L GENTLE		⁶ Well Number 1S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6156'

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
G	25	27-N	9-W		2175	NORTH	1860	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
G									
¹² Dedicated Acres 320 AC \ E/2			¹³ Joint or in		¹⁴ Consolidation Code		¹⁵ Order No.		

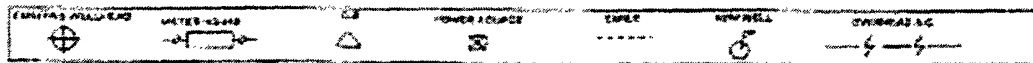
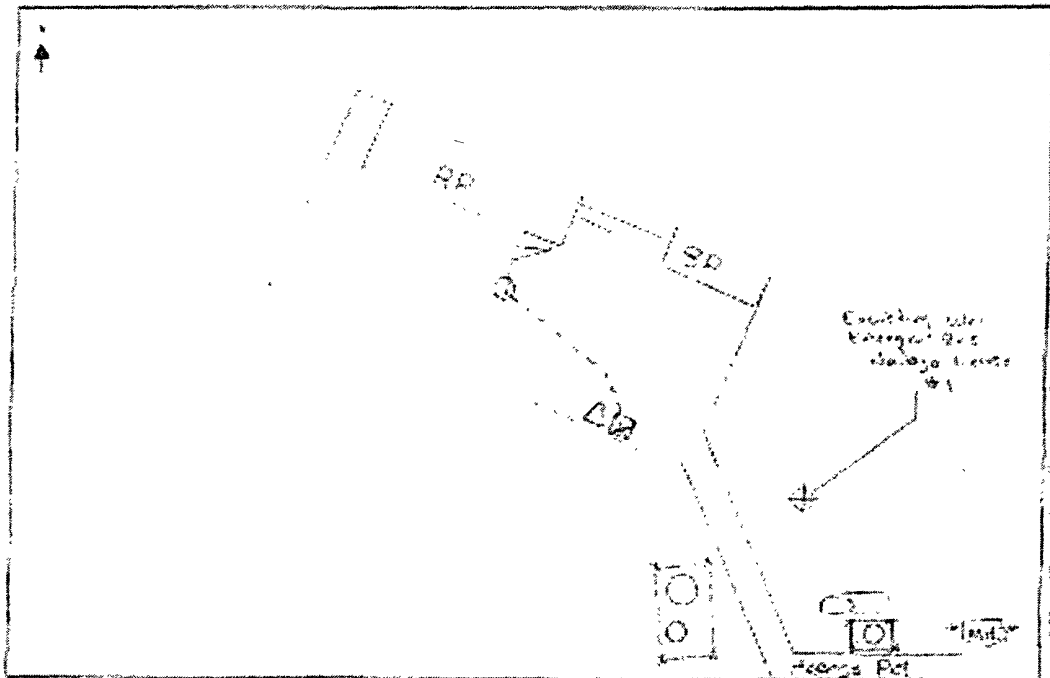
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ FD. 2 1/2" BC 1947 GLO SURFACE LOCATION LAT: 36.54737° N. (NAD 83) LONG: 107.73751° W. (NAD 83) LAT: 36°32.8415' N. (NAD 27) LONG: 107°44.2139' W. (NAD 27)		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: <u>Sasha Sanyal</u> Date: <u>06-02-08</u>	
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: <u>SEPTEMBER 04, 2007</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>8894</u>		¹⁹ USA NM 011285	



WELL NAME H-1 Acetylene #12 LEGALS M 25 27 COUNTY Son. Juco

PURPOSED C.P. SYSTEM: Drill 42 inch and set a 200 lb. weight @ 50' intervals
of 100' near bottom. Trench approx 200' x 10' x 10' x 10' ft.
wellhead to enter



NEAREST POWER SOURCE: 112 DISTANCE: N/A
PIPELINES IN AREA:

TECHNICIAN: 10/1/77 DATE: 10/1/77

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

H L GENTLE 1S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7372		AFE \$: 192,704.97	
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:		Phone:		Proj. Field Lead: Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.547361	Longitude: -107.736897	X:	Y:	Section: 25	Range: 009W
Footage X: 1860 FEL	Footage Y: 2175 FNL	Elevation: 6156	(FT)	Township: 027N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6170	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	200	5970	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1234	4936	☐			
KIRTLAND	1365	4805	☐			
FRUITLAND	1738	4432	☐	200	Gas	
PICTURED CLIFFS	2111	4059	☐		Gas	
Total Depth	2311	3859	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 355 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	H L Gentle 1	27N-9W25 SW NE SE
Production	Navajo 2-25	27N-9W25 SW NE
Production	Huerfanito 93	27N-9W25 SE NW NW
Production	Huerfanito 82M	27N-9W25 SE NW NW

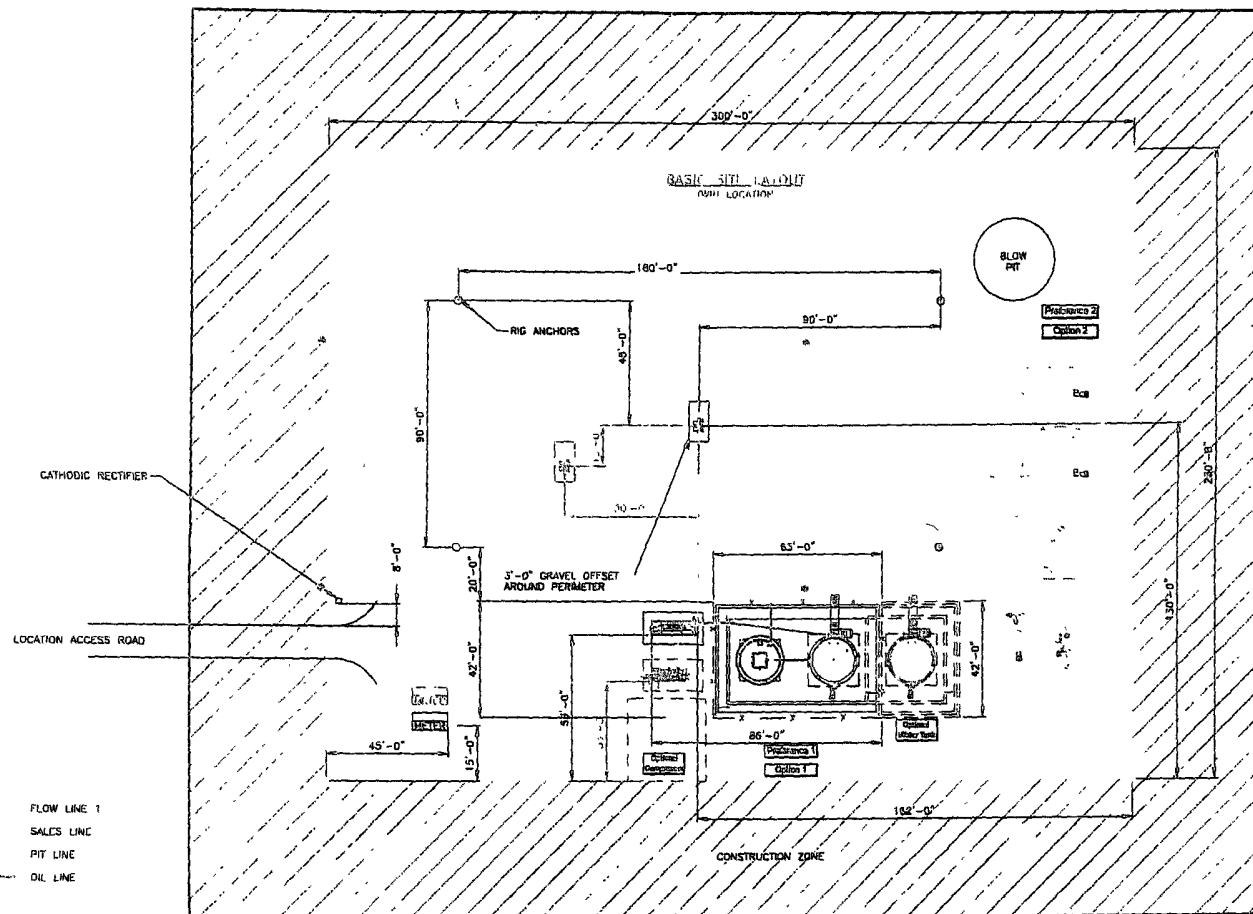
Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo
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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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SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT		
ENGINEERING REVIEW PREPARED BY: [] REVIEWED BY: [] DATE: []										REFERENCE DRAWINGS NO. [] DESCRIPTION []		
PURPOSES REVISIONS APPR'D ELECTRICAL I & C CIVIL/MECHANICAL										CONOCOPhillips SAN JUAN BUSINESS UNIT		
DESCRIPTION	DATE	BY	CHK'D	ENG	INSTR	PLN				CHECKED BY: [] DATE: [] DESIGNED BY: []	DUCED BY: [] DATE: [] DUCED BY: []	APPROV'D BY: [] DATE: [] APPROV'D BY: []
										HP3PHASE-REV1		

h:\erossu.0\ngofrd\cond\andep\regulatory\Yum Location Site Layout.dwg, 06/28/2007 - 02:39pm

**Directions from the Bloomfield, New Mexico, post office to the
Burlington Resources Oil & Gas Company, LP**

H. L. Gentle #1S well location

**2175' FNL 1860' FEL, Section 25, T27N R9W, NMPM, San Juan County, New
Mexico**

From the Bloomfield, NM, post office (Lat. 36.71139° N, Long. 107.99250° W):

Travel east on Hwy 64 0.4 mi to Hwy 550 (Lat. 36.71139° N, Long. 107.98417° W).

Turn right and travel south on Hwy 550 15.8 mi to CR 7225 (NCM) approximately 1 mi south of the Angel Peak turnoff (Lat. 36.50528° N, Long. 107.93750° W).

Turn left and travel northeasterly on CR 7225 4.6 mi to a large pig-launcher facility (Lat. 36.51556° N, Long. 107.86056° W).

Turn right and travel easterly 4.2 mi (Lat. 36.51528° N, Long. 107.78556° W).

Turn right and travel south 0.1 mi (Lat. 36.51333° N, Long. 107.78528° W).

Turn left and travel easterly 2.4 mi to a T-intersection (Lat. 36.51778° N, Long. 107.73611° W).

Turn left and travel northerly 2.2 mi (Lat. 36.54889° N, Long. 107.73361° W).

Turn left and travel westerly and southerly 0.3 mi, through the Turner Navajo #1-25 location, to the existing Energen Navajo #1-1 well location (Lat. 36.54729° N, Long. 107.73683° W).

The H. L. Gentle well location is on the northwest side of this location (Lat. 36.54737° N, Long. 107.73751° W).