

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 22 2009

Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK *Backton Field Office*

1a. Type of Work DRILL	5. Lease Number SF-079394 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 San Juan 27-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD AUG 12 '09 OIL CONS. DIV. DIST. 3
4. Location of Well Surf: Unit H(ENE), 1879' FNL & 20' FEL Surf: Latitude: 36.533075° N (NAD83) Longitude: 107.336668° W	9. Well Number 143N 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 34, T27N, R5W API # 30-039- 30782
14. Distance in Miles from Nearest Town 51 miles/Bloomfield	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 20'	13. State NM
16. Acres in Lease 2516.480	17. Acres Assigned to Well MV/DK 320 N/2 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1202' from San Juan 27-5 Unit 145M	
19. Proposed Depth 7756'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6575' GL	22. Approx. Date Work will Start 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
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>Tracey N. Monroe</i> Tracey N. Monroe (Staff Regulatory Technician)	Date

PERMIT NO.

APPROVAL DATE

APPROVED BY *DJ Montezano*

TITLE *AFM*

DATE *8/10/09*

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 3

Bond Numbers NMB-000015 and NMB-000089

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

AUG 14 2009

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

JUN 22 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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources DepartmentBureau of Land Management
Revised October 12, 2005
Submit to Appropriate District Office

Form C-102

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30782	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / MESA VERDE
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	⁶ Well Number 143N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	⁹ Elevation 6575

¹⁰ Surface Location

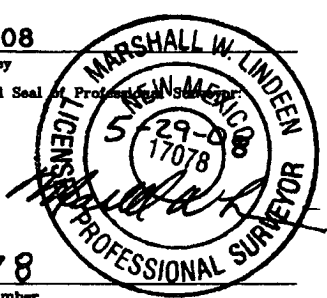
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	34	27 N	5 W		1879	NORTH	20	EAST	RIO ARRIBA

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									

¹² Dedicated Acres 320 DK (N/2) 320 MV (E/2)	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

18 S 89°24'54" W 2651.13'	2707.39'	S 89°24'24" W 2698.59'	1879'	2720.59'	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>Crystal Tafoya</u> Date <u>1/9/09</u> Printed Name <u>Crystal Tafoya</u>
N 0°18'50" W		NAD 83 LAT: 36.533075° N LONG: 107.336668° W NAD 27 LAT: 36°31.9839' N LONG: 107°20.1641' W	20'	S 0°38'58" W	
2651.17' (CALC)				2716.78' (CALC)	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>5/05/08</u> Signature and Seal of Professional Surveyor  Certificate Number <u>17078</u>
N 0°20'53" W				S 0°42'57" W	
N 89°08'44" W (CALC) 2655.44' (CALC)		N 89°08'44" W (CALC) 2655.44'			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 143N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8077				AFE \$: 1,443,869.32	
Field Name: SAN JUAN 27-5 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location:							
Latitude: 36.533065		Longitude: -107.336067		X:	Y:	Section: 34	Range: 005W
Footage X: 20 FEL		Footage Y: 1879 FNL		Elevation: 6575 (FT)	Township: 027N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6591 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	300	6291	<input type="checkbox"/>			12-1/4 hole. 300' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 206 cuft. Circulate cement to surface.	
OJO ALAMO	2697	3894	<input type="checkbox"/>				
KIRTLAND	2848	3743	<input type="checkbox"/>				
FRUITLAND	2905	3686	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	3328	3263	<input type="checkbox"/>				
LEWIS	3406	3185	<input type="checkbox"/>				
Intermediate Casing	3556	3035	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 845 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3706	2885	<input type="checkbox"/>				
CHACRA	4285	2306	<input type="checkbox"/>			Est. Top Perf - 4285 (2306)	
UPPER CLIFF HOUSE	4834	1757	<input type="checkbox"/>			Gas	
MASSIVE CLIFF HOUSE	4961	1630	<input type="checkbox"/>	720		Gas	
MENEFEE	5063	1528	<input type="checkbox"/>				
POINT LOOKOUT	5474	1117	<input type="checkbox"/>				
MANCOS	5929	662	<input type="checkbox"/>				
UPPER GALLUP	6632	-41	<input type="checkbox"/>				
GREENHORN	7429	-838	<input type="checkbox"/>				
GRANEROS	7489	-898	<input type="checkbox"/>				
TWO WELLS	7512	-921	<input type="checkbox"/>	2000		Gas	
PAGUATE	7614	-1023	<input type="checkbox"/>				
UPPER CUBERO	7640	-1049	<input type="checkbox"/>				
LOWER CUBERO	7678	-1087	<input type="checkbox"/>			Est. Btm Perf - 7728 (-1137) based on offset wells	
OAK CANYON	7743	-1152	<input type="checkbox"/>				
Total Depth	7756	-1165	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 615 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
ENCINAL	7756	-1165	<input type="checkbox"/>			TD - Top of Encinal	
Reference Wells:							

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 143N

DEVELOPMENT

Reference Type	Well Name	Comments
Production	SJ 27-5 134R	27N-5W26 SW NE NW
Production	SJ 27-5 145N	27N-5W35 SE SE NW
Production	SJ 27-5 145M	27N-5W35 NE SW NW
Production	SJ 27-5 143	27N-5W34 NE SW NE

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

SHEET : OF 5

CONCOPHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM - SITE LAYOUT

ConocoPhillips

SCALE NAME
DATE
HP3PHASE-REV1

SAN JUAN BUSINESS UNIT

Abstract

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

[illegible]

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Abstract

1. **Identify the main topic of the passage.**
 2. **Identify the main purpose of the passage.**

1

BURLINGTON RESOURCES OIL & GAS COMPANY LP.

SAN JUAN 27-5 UNIT 143N

1879' FNL & 20' FEL

LATITUDE: 36.533075° N

LONGITUDE: 107.336668° W

NAD 83

SECTION 34, T-27-N, R-5-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 550 AND NORTH FIRST STREET
IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY ON US HIGHWAY 64 FOR 36.5 MILES.

TURN RIGHT ONTO GENERAL AMERICAN ROAD AND

PROCEED SOUTHERLY 1.1 MILES.

PROCEED TO THE RIGHT AT A Y-INTERSECTION AND

CONTINUE SOUTHERLY 7.4 MILES TO A 5-WAY INTERSECTION.

PROCEED TO THE LEFT AT 5-WAY INTERSECTION AND CONTINUE

SOUTHEASTERLY 1.2 MILES TO ANOTHER Y-INTERSECTION.

PROCEED TO THE LEFT AND CONTINUE EASTERLY 2.5 MILES ON

GENERAL AMERICAN ROAD THROUGH CARRIZO CANYON.

TURN RIGHT AND PROCEED SOUTHERLY 1.1 MILES

CROSSING CARRIZO WASH

TURN RIGHT AT A 4-WAY INTERSECTION AND TRAVEL WESTERLY 0.4 MILE

TURN LEFT AT A THREE WAY INTERSECTION AND

TRAVEL SOUTHERLY 1 MILE TO PROPOSED WELL LOCATION.