

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAR 12 '07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 FEB 22 PM 3:39

1a. Type of Work DRILL	5. Lease Number NMSF-078962 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 Newsom B 9. Well Number #8M
4. Location of Well Unit B (NWNE), 665' FNL & 1900' FEL, Latitude 36° 31.30684 N Longitude 107° 43.19146 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 6, T26N, R8W API # 30-045-34177
14. Distance in Miles from Nearest Town 35.5 miles	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 665'	
16. Acres in Lease	17. Acres Assigned to Well DK & MV - 320.57 - (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 6041' 6600 CEH	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6108' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	NOTIFY AZTEC OCD 24 hrs IN TIME TO WITNESS - CCH & CCH
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	2-21-07 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

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

B 3/13/07 NMOCD

This action is subject to technical and
procedural review pursuant to 49 CFR 9165.3
and 9165.4.

DISTRICT II
311 South First, Artesia, N.M. 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505Submit 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		2 Pool Code 72319/71599		3 Pool Name MESA VERDE/DAKOTA	
4 Property Code 7363		5 Property Name NEWSOM B			6 Well Number 8M
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES O&G CO LP			9 Elevation 6108'

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
B	6	26N	8W	2	665'	NORTH	1900'	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
12 Dedicated Acres 320.57 Acres - (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

16		17 OPERATOR CERTIFICATION	
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		475	
476		477	
478		479	
480		481	
482		483	
484		485	
486		487	
488		489	
490		491	
492		493	
494		495	
496		497	
498		499	
500		501	
502		503	
504		505	
506		507	
508		509	
510		511	
512		513	
514		515	
516		517	
518		519	
520		521	
522		523	
524		525	
526		527	
528		529	
530		531	
532		533	
534		535	
536		537	
538		539	
540		541	
542		543	
544		545	
546		547	
548		549	
550		551	
552		553	
554		555	
556		557	
558		559	
560		561	
562		563	
564		565	
566		567	
568		569	
570		571	
572		573	
574		575	
576		577	
578		579	
580		581	
582		583	
584		585	
586		587	
588		589	
590		591	
592		593	
594		595	
596		597	
598		599	
600		601	
602		603	
604		605	
606		607	
608		609	
610		611	
612		613	
614		615	
616		617	
618		619	
620		621	
622		623	
624		625	
626		627	
628		629	
630		631	
632		633	
634		635	
636		637	
638		639	
640		641	
642		643	
644		645	
646		647	
648		649	
650		651	
652		653	
654		655	
656		657	
658		659	
660		661	
662		663	
664		665	
666		667	
668		669	
670		671	
672		673	
674		675	
676		677	
678		679	
680		681	
682		683	
684		685	
686		687	
688		689	
690		691	
692		693	
694		695	
696		697	
698		699	
700		701	
702		703	
704		705	
706		707	
708		709	
710		711	
712		713	
714		715	
716		717	
718		719	
720		721	
722		723	
724		725	
726		727	
728		729	
730		731	
732		733	
734		735	
736		737	
738		739	
740		741	
742		743	
744		745	
746		747	
748		749	
750		751	
752		753	
754		755	
756		757	
758		759	
760		761	
762		763	
764		765	
766		767	
768		769	
770		771	
772		773	
774		775	
776		777	
778		779	
780		781	
782		783	
784		785	
786		787	
788		789	
790		791	
792		793	
794		795	
796		797	
798		799	
800		801	
802		803	
804		805	
806		807	
808		809	
810		811	
812		813	
814		815	
816		817	
818		819	
820		821	
822		823	
824		825	
826		827	
828		829	
830		831	
832		833	
834		835	
836		837	
838		839	
840		841	
842		843	
844		845	
846		847	
848		849	
850		851	
852		853	
854		855	
856		857	
858		859	
860		861	
862		863	
864		865	
866		867	
868		869	
870		871	
872		873	
874		875	
876		877	
878		879	

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 34177

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Newsom B

8. Well Number

#8M

9. OGRID Number

14538

10. Pool name or Wildcat

Basin DK/Blanco MV

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter B : 665' feet from the North line and 1900' feet from the East line
Section 6 Township 26N Rng 8W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6108'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type New Drill Depth to Groundwater <100 Distance from nearest fresh water well >1000 Distance from nearest surface water <200

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 2/21/2007Type or print name Rhonda Rogers E-mail address: ogerrs@conocophillips.com Telephone No. 505-599-4018
For State Use OnlyAPPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 08 DATE MAR 13 2007
Conditions of Approval (if any):

BURLINGTON RESOURCES O&G CO LP

NEWSOM B #8M

665' FNL & 1900' FEL

LOCATED IN THE NW/4 NE/4 OF

SECTION 6, T26N, R8W, N.M.P.M.,

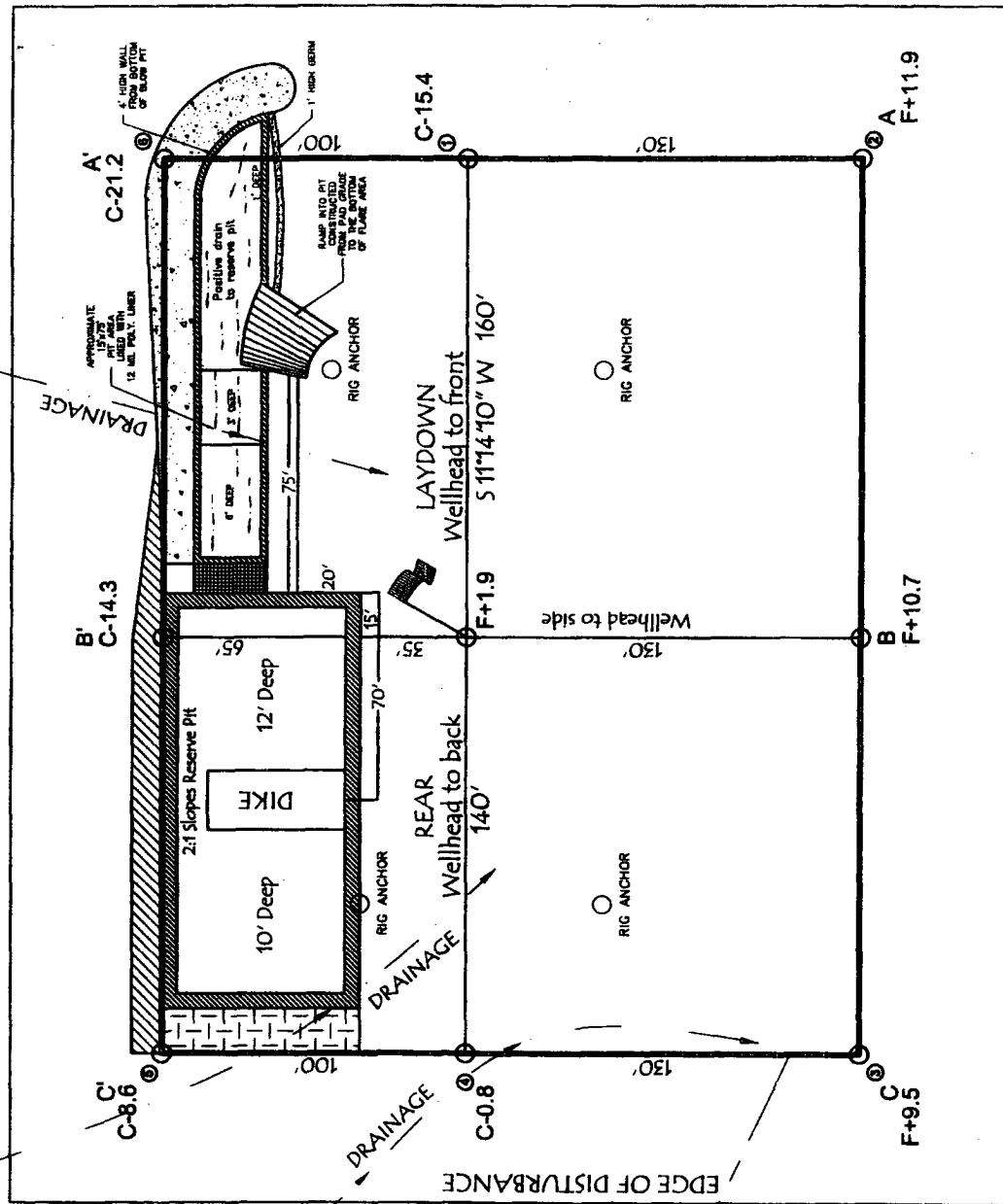
SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6108', NAVD 88

FINISHED PAD ELEVATION: 6110', NAVD 88

LATITUDE: 36.52179°N
LONGITUDE: 107.72047°W
DATUM: NAD 83

SLOPES TO BE CONSTRUCTED TO
MATCH THE ORIGINAL CONTOURS
AS CLOSE AS POSSIBLE.



Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637

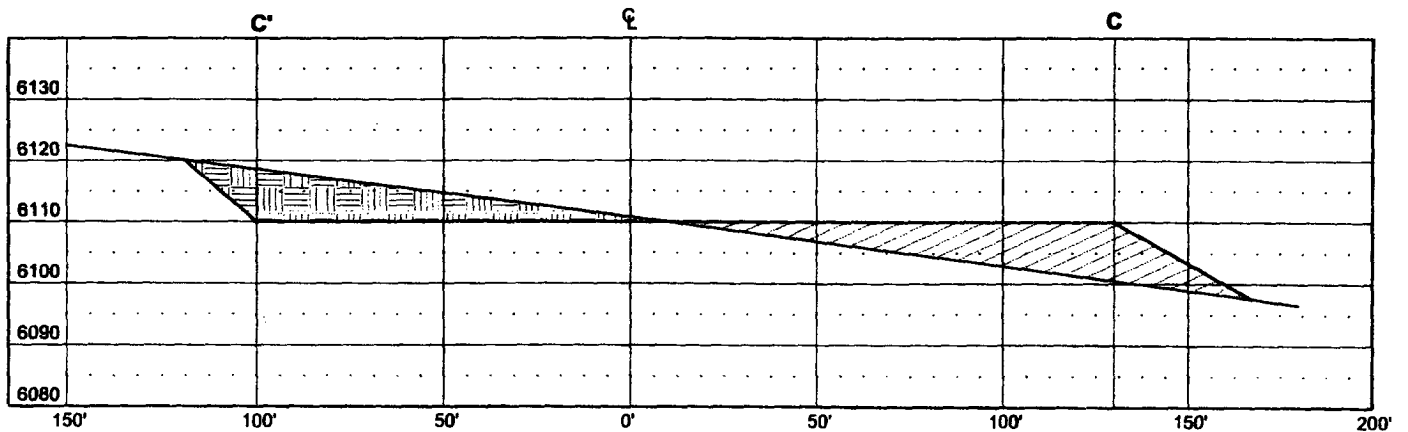
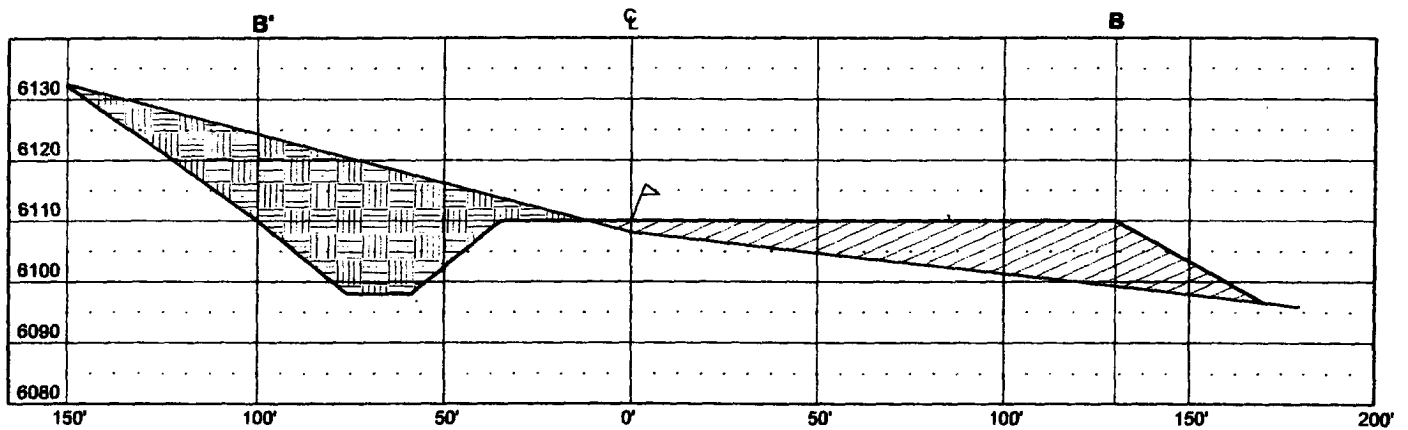
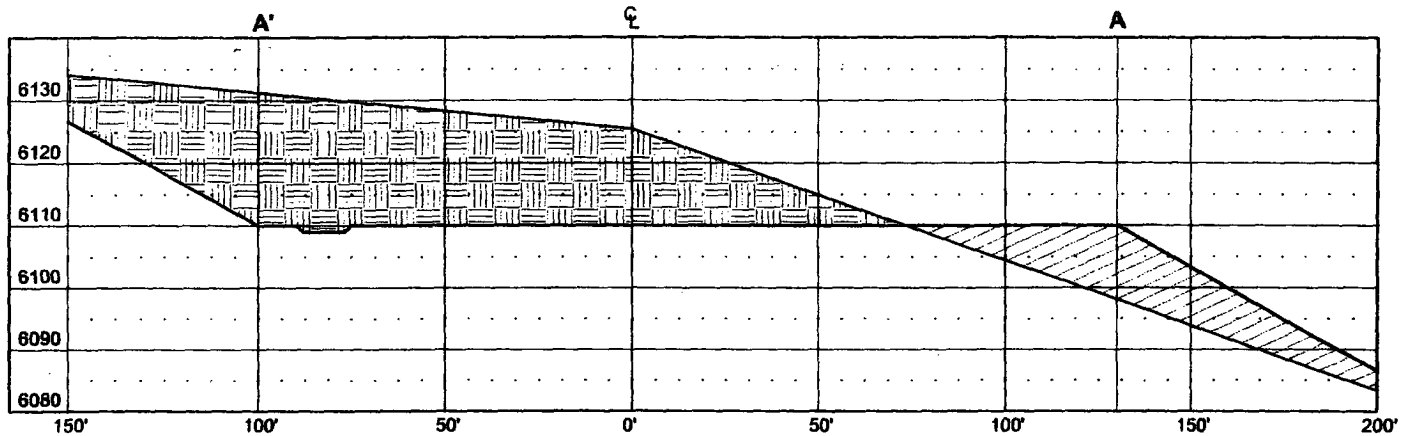
NOTE:
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR
CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR
TO CONSTRUCTION.

330' x 400' = 3.03 ACRES OF DISTURBANCE
SCALE: 1" = 60'
JOB No.: COPC044
DATE: 11/01/06

LATITUDE: 36.52179°N
LONGITUDE: 107.72047°W
DATUM: NAD 83

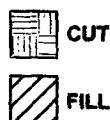
BURLINGTON RESOURCES O&G CO LP


NEWSOM B #8M
665' FNL & 1900' FEL
LOCATED IN THE NW/4 NE/4 OF
SECTION 6, T26N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6108', NAVD 88
FINISHED PAD ELEVATION: 6110', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30'
HORZ. SCALE: 1" = 50'
JOB No.: COPC044
DATE: 11/01/06



 **Russell Surveying**
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWSOM B 8M

Lease:		AFE #: WAN.ZA2.7954/WAN.ZA2.7955		AFE \$:	
Field Name: hBR_SAN JUAN	Rig: Aztec Rig 730	State: NM	County: SAN JUAN	API #:	
Geoscientist: Head, Chip F	Phone: 505-326-9772	Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu	Phone: 832-486-2275	Proj. Field Lead:		Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				

Location: Surface		Datum Code: NAD 27		Straight Hole		
Latitude: 36.521781	Longitude: -107.719858	X:	Y:	Section: 06	Range: 008W	
Footage X: 1900 FEL	Footage Y: 665 FNL	Elevation: 6108	(FT)	Township: 026N		
Tolerance:						
Location Type: Year Round		Start Date (Est.):		Completion Date:	Date In Operation:	
Formation Data: Assume KB = 6122 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	5906	<input type="checkbox"/>			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 91.9 cuft. Circulate cement to surface.
OJAM	1187	4935	<input type="checkbox"/>			Possible water flows.
KRLD	1236	4886	<input type="checkbox"/>			
FRLD	1500	4622	<input type="checkbox"/>			Possible gas.
PCCF	1940	4182	<input type="checkbox"/>			
LEWS	2030	4092	<input type="checkbox"/>			
Intermediate Casing	2130	3992	<input type="checkbox"/>			8-3/4" Hole. 7", 20ppf, J-55, STC Casing. Cement with 485 cu ft. Circulate cement to surface.
HURF	2402	3720	<input type="checkbox"/>			
CHRA	2832	3290	<input type="checkbox"/>			
CLFH	3520	2602	<input type="checkbox"/>	600		Gas; possibly wet
MENF	3603	2519	<input type="checkbox"/>			Gas.
PTLK	4240	1882	<input type="checkbox"/>			Gas.
MNCS	4563	1559	<input type="checkbox"/>			
GLLP	5384	738	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	6216	-94	<input type="checkbox"/>	1400		Gas possible, highly fractured
GRRS	6270	-148	<input type="checkbox"/>			
TWLS	6307	-185	<input type="checkbox"/>			Gas
PAGU	6380	-258	<input type="checkbox"/>			Gas. Highly Fractured.
CBBO	6441	-319	<input type="checkbox"/>			Gas
CBRL	6456	-334	<input type="checkbox"/>			
ENCINAL	6516	-394	<input type="checkbox"/>			
TD	6600	-478	<input type="checkbox"/>			TD in ENCN, 10' above BRCN. 6-1/4" Hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 619.9 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Newsom B #8E	On Strike. NE 6-26N-8W

PROJECT PROPOSAL - New Drill / Sidetrack

NEWSOM B 8M

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

Comments: Location/Tops/Logging - DK 26N08W06NE2 AND MVNM026N008W06NE2, MUDLOGGER from 100 ft above the Greenhorn to TD. TD above BRCN.

Zones - DK 26N08W06NE2 AND MVNM026N008W06NE2

General/Work Description - NO LEWIS