

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 22 2009

1a. Type of Work DRILL	5. Lease Number of Land Management NM-013688 Farmington Plant Office 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 NM NM-73293 DK Needs CA	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Atlantic Com A 9. Well Number 7C	
4. Location of Well Surf: Unit O (SWSE), 1076' FSL & 1708' FEL Bottomhole: Unit P (SESE), 1090' FSL & 710' FEL Surf: Latitude: 36.8797514° N (NAD83) Longitude: 107.8487819° W Bottomhole: Latitude: 36.8797805° N (NAD83) Longitude: 107.8453696° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 23, T31N, R10W API # 30-045-35077	
14. Distance in Miles from Nearest Town 10 miles / Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	H ₂ S POTENTIAL EXIST	
16. Acres in Lease 2,066.440	17. Acres Assigned to Well 313.78 - E/2 (MV/DK)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from Atlantic 13 (PC)		
19. Proposed Depth 7797'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6403' 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>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	12/22/2009 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.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

JAN 13 2010

NMOC

Hold C104

for Directional Survey
and "As Drilled" plat

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

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 Department

RECEIVED

Form C-102
Revised October 12, 2005

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

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35677	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESA VERDE
⁴ Property Code 6796	⁵ Property Name ATLANTIC COM A	⁶ Well Number 7C
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6403

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
O	23	31 N	10 W	LOT 8	1076	SOUTH	1708	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
P	23	31 N	10 W	LOT 9	1090	SOUTH	710	EAST	SAN JUAN

¹² Dedicated Acres 313.78 (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 S 87°53'25" E 2644.57'				S 89°23'12" E 2639.65'			
LOT 1 (39.52)				NM B-10405-95 NM B-10405-54 NM E-2724-5			
O = SURFACE LOCATION ● = BOTTOM HOLE LOCATION							
LOT 2 (39.86)				LOT 3 (38.47)			
NM E-5318-1				USA NM-013688			
SECTION 23							
LOT 5 (39.07)				G.T. LACKEY ET UX			
JOE DENNIS ET UX				NAD 83 LAT: 36.8797805° N LONG: 107.8453696° W NAD 27 LAT: 36°52.78661' N LONG: 107°50.68502' W			
LOT 8 (38.80)				LOT 8 (38.48)			
USA NM-013688				NAD 83 LAT: 36.8797514° N LONG: 107.8487819° W NAD 27 LAT: 36°52.78487' N LONG: 107°50.88975' W			
N 89°45'08" W 2626.73'				N 89°48'53" W 2622.47'			
N 0°13'57" W				S 0°39'43" W			
2569.37'				2542.19'			
2616.34'				2537.80'			
N 0°59'21" E				S 0°52'02" W			

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.

Crystal Tafoya 5/1/09
Signature Date
Crystal Tafoya 5-1-09
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.

4/10/09
Date of Survey
Signature and Seal of Professional Surveyor
MARSHALL W. LINDEN
NEW MEXICO
LICENSED PROFESSIONAL SURVEYOR
17078
17078
Certificate Number

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC COM A 7C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9003				AFE \$: 916,852.22	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional:							
Latitude: 36.879748	Longitude: -107.848163	X:	Y:	Section: 23	Range: 010W		
Footage X: 1708 FEL	Footage Y: 1076 FSL	Elevation: 6403	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional:							
Latitude: 36.879777	Longitude: -107.844750	X:	Y:	Section: 23	Range: 010W		
Footage X: 710 FEL	Footage Y: 1090 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6419 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6219	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	353	6066	☐				
OJO ALAMO	1687	4732	☐				
KIRTLAND	1745	4674	☐				
FRUITLAND	2639	3780	☐			Possible Gas	
PICTURED CLIFFS	3174	3245	☐				
LEWIS	3319	3100	☐				
Intermediate Casing	3419	3000	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 815 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3898	2521	☐				
CHACRA	4259	2160	☐			Est. Top Perf - 4259 (2158)	
UPPER CLIFF HOUSE	4870	1549	☐			Gas	
MASSIVE CLIFF HOUSE	4947	1472	☐	181		Gas	
MENEFEE	5049	1370	☐				
POINT LOOKOUT	5422	997	☐				
MANCOS	5741	678	☐				
UPPER GALLUP	6723	-304	☐				
GREENHORN	7445	-1026	☐				
GRANEROS	7493	-1074	☐				
TWO WELLS	7551	-1132	☐	2868		Gas	
PAGUATE	7639	-1220	☐				
UPPER CUBERO	7669	-1250	☐				
LOWER CUBERO	7678	-1259	☐			Est. Btm Perf - 7775 (-1358) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC COM A 7C

DEVELOPMENT

ENCINAL	7737	-1318	☐	TD - 60' below T/ENCN
Total Depth	7797	-1378	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 596 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Atlantic A 101	31N 10W 22 NW SE SE
Production	Walker Koch 1C	31N 10W 13 NW SE NE
Production	Lambe 3B	31N 10W 21 N2 SE NE
Production	Delhi Atlantic 1-34	31N 10W 34 NE 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	
Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.	

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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Atlantic Com A #7C
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6419.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6419.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Atlantic Com A #7C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
5,246.7	5,049.0	Menefee		0.00		
7,866.7	7,669.0	Upper Cubero		0.00		
2,813.2	2,639.0	Fruitland		0.00		
6,920.7	6,723.0	Upper Gallup		0.00		
3,371.0	3,174.0	Pictured Cliffs		0.00		
7,690.7	7,493.0	Graneros		0.00		
5,938.7	5,741.0	Mancos		0.00		
7,836.7	7,639.0	Paguate		0.00		
5,067.7	4,870.0	Upper Cliffhouse		0.00		
353.0	353.0	Nacimiento		0.00		
7,748.7	7,551.0	Two Wells		0.00		
4,456.7	4,259.0	Chacra		0.00		
5,619.7	5,422.0	Point Lookout		0.00		
3,516.7	3,319.0	Lewis		0.00		
1,744.6	1,687.0	Ojo		0.00		
5,144.7	4,947.0	Mass. Cliffhouse		0.00		
7,934.7	7,737.0	Encinal		0.00		
1,809.8	1,745.0	Kirtland		0.00		
7,642.7	7,445.0	Greenhorn		0.00		
7,875.7	7,678.0	Lower Cubero		0.00		
4,095.7	3,898.0	Huerfanito Bentonite		0.00		

REFERENCE INFORMATION

RKB @ 6419.0ft (Original Well Elev)
Ground Elevation 6403.0
Reference Lat: 36° 52' 47.092 N
Reference Long: 107° 50' 53.385 W

Project: San Juan Basin - New Mexico Wells

Site: Other Named Wells

Well: Atlantic Com A #7C

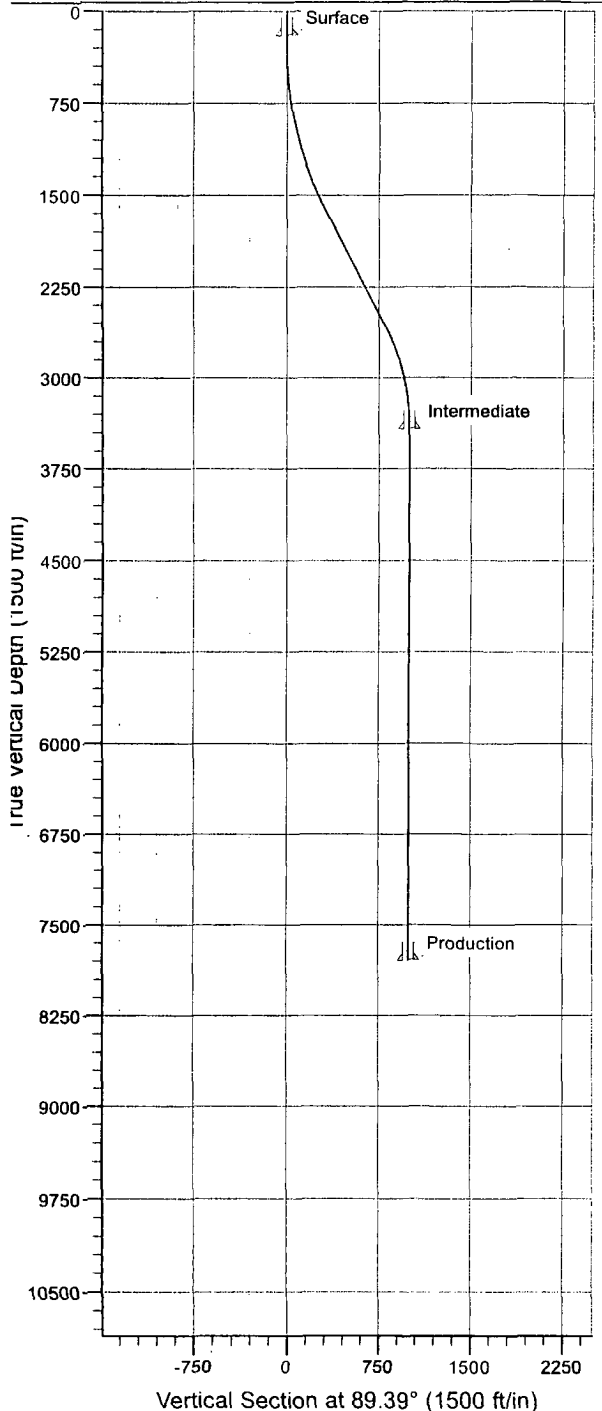
Wellbore: Principal Wellbore

Design: Plan #1

ConocoPhillips

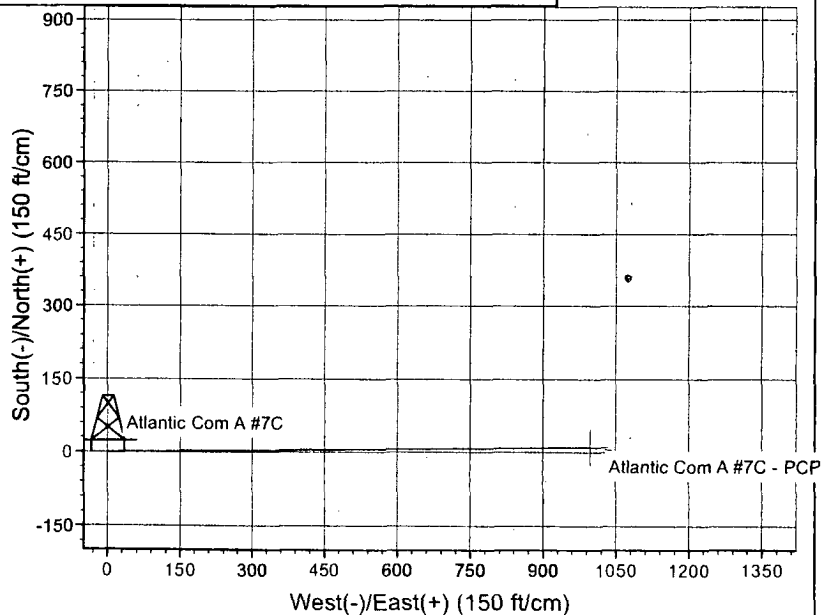
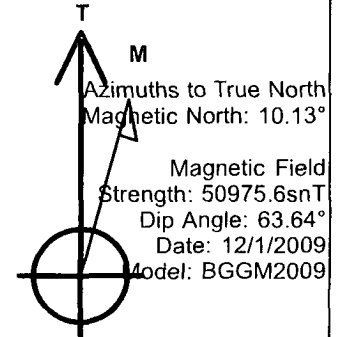
SECTION DETAILS

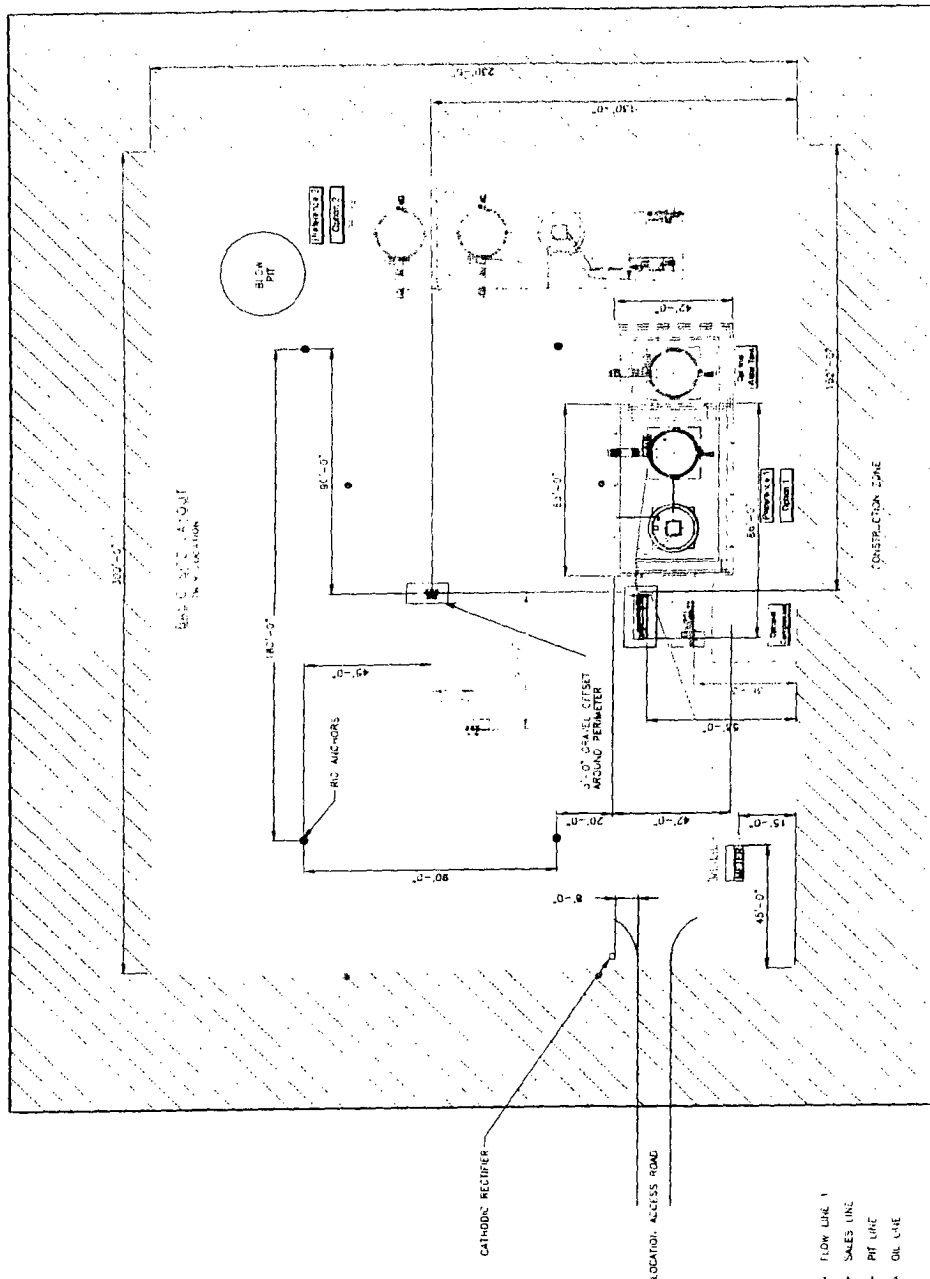
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1677.7	27.15	89.39	1627.5	3.3	315.8	2.00	89.39	315.8	
4	2711.6	27.15	89.39	2547.3	8.3	787.6	0.00	0.00	787.6	
5	3616.7	0.00	0.00	3419.0	10.6	998.1	3.00	180.00	998.1	Atlantic Com A #7C - ICP
6	7994.7	0.00	0.00	7797.0	10.6	998.1	0.00	0.00	998.1	Atlantic Com A #7C - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
353.0	353.0	Nacimiento
1687.0	1744.6	Ojo
1745.0	1809.8	Kirtland
2639.0	2813.2	Fruitland
3174.0	3371.0	Pictured Cliffs
3319.0	3516.7	Lewis
3898.0	4095.7	Huerfano Bentonite
4259.0	4456.7	Chacra
4870.0	5067.7	Upper Cliffhouse
4947.0	5144.7	Mass. Cliffhouse
5049.0	5246.7	Menefee
5422.0	5619.7	Point Lookout
5741.0	5938.7	Mancos
6723.0	6920.7	Upper Gallup
7445.0	7642.7	Greenhorn
7493.0	7690.7	Graneros
7551.0	7748.7	Two Wells
7639.0	7836.7	Paguate
7669.0	7866.7	Upper Cubero
7678.0	7875.7	Lower Cubero
7737.0	7934.7	Encinal





ALL INFORMATION HEREIN IS TO BE RETURNED TO THE OFFICE OF THE DIRECTOR OF THE FBI

10

ConocoPhillips

SAN JUAN BUSINESS JUNE

CONFIDENTIAL
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM- SITE LAYOUT

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. 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.

[illegible]

BURLINGTON RESOURCES OIL & GAS COMPANY LP

ATLANTIC COM A 7C

1076' FSL & 1708' FEL (SURFACE)

1090' FSL & 710' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.8797514° N

LONGITUDE: 107.8487819° W

NAD 83

SECTION 23, T-31-N, R-10-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 550 AND
NEW MEXICO STATE HIGHWAY 516 IN AZTEC, NEW MEXICO.

TRAVEL NORTHEASTERLY 4.0 MILES ON
US HIGHWAY 550.

TURN RIGHT ONTO COUNTY ROAD 2770 AND

TRAVEL EASTERLY 6.0 MILES.

TURN LEFT AT A TEE INTERSECTION

AND TRAVEL NORTHWESTERLY 0.3 MILE.

TURN LEFT AT A TEE INTERSECTION & TRAVEL WESTERLY 0.1 MILE

TO EXISTING ATLANTIC 13 LOCATION

AND PROPOSED ATLANTIC COM A 7C LOCATION.