

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 25 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 NM-93252 Unit Reporting Number
1b. Type of Well GAS	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 Sooner 9. Well Number 1E
4. Location of Well Surface: Unit C (NENW), 1020' FNL & 1780' FWL Bottomhole: Unit B (NWNE), 965' FNL & 2475' FEL Surface: Latitude: 36.476520° N (NAD83) Longitude: 107.584097° W Bottomhole: Latitude: 36.476677° N (NAD83) Longitude: 107.580601° W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T26N, R7W API # 30-039- 31029
14. Distance in Miles from Nearest Town 45.1 Miles from Bloomfield, NM	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 965'	
16. Acres in Lease 320 Acres	17. Acres Assigned to Well 320 Acres (DK) N2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 543' from BRO&G Sooner #1 (DK)	
19. Proposed Depth 7545'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6988' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	<u>2-17-11</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 5/12/11

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 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC 900 24 HRS.

PRIOR TO CASING & CEMENT

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

Hold C104
for Directional Survey
and "As Drilled" plat

NMOC

JUN 02 2011

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

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

DISTRICT II
1301 West 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, 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

FEB 25 2011

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-31029	Pool Code 71599	Pool Name BASIN DAKOTA
Property Code 27846	Property Name SOONER	Well Number 1E
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6988'

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
C	21	26-N	7-W		1020	NORTH	1780	WEST	RIO ARRIBA

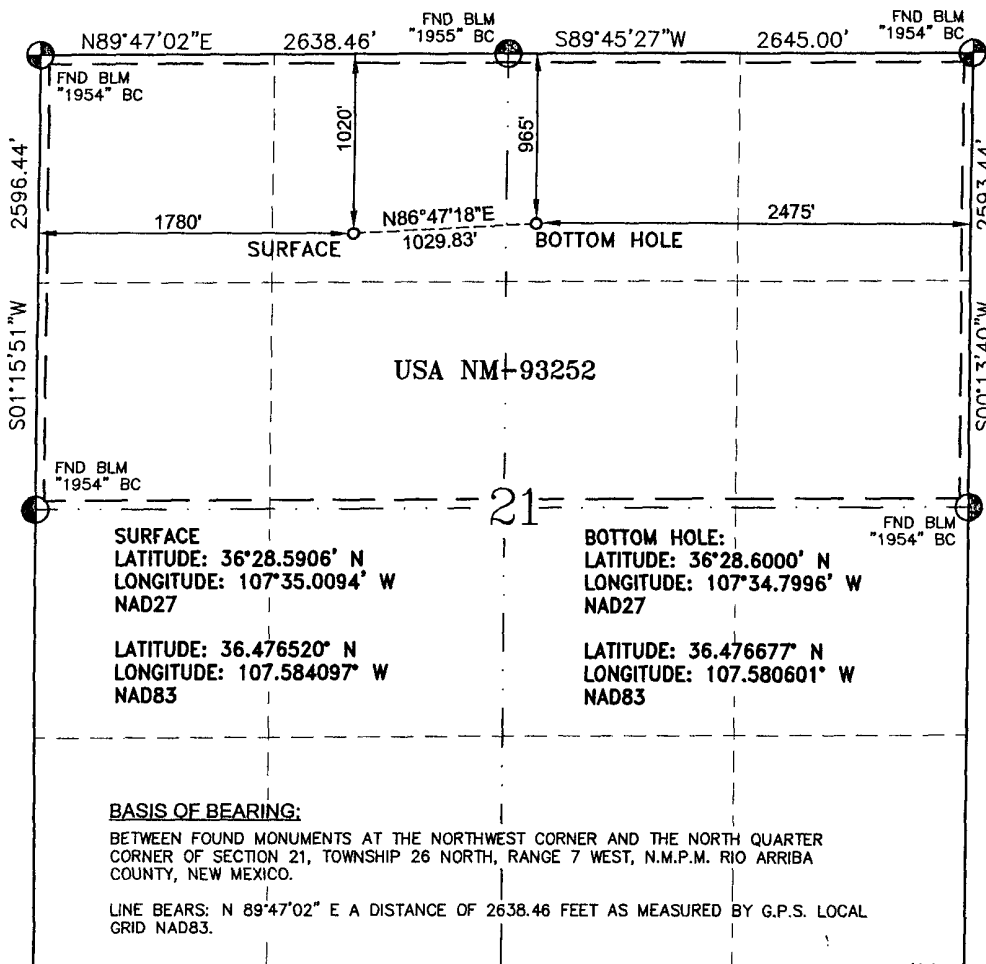
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	26-N	7-W		965	NORTH	2475	EAST	RIO ARRIBA

Dedicated Acres DK 320.00 ACRES N/2	Joint or Infill	Consolidation Code	Order No.
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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

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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

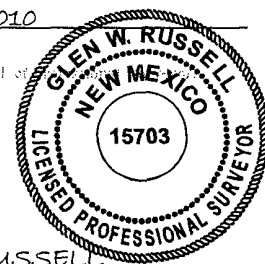
Brandie Blakley 7-12-10
Signature
Brandie Blakley 7-12-2010
Printed Name

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.

JUNE 17, 2010
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

Hold C104

for Directional Survey
and "As Drilled" plat

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SOONER 1E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9352				AFE \$: 904,313.59	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.476510		Longitude: -107.583489		X:	Y:	Section: 21	Range: 007W
Footage X: 1780 FWL		Footage Y: 1020 FNL		Elevation: 6988 (FT)	Township: 026N		
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.476667		Longitude: -107.579994		X:	Y:	Section: 21	Range: 007W
Footage X: 2475 FEL		Footage Y: 965 FNL		Elevation: (FT)	Township: 026N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7003 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6683		☐			12-1/4 hole. 320' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 244 cuft. Circulate cement to surface.
NACIMIENTO	960	6043		☐			
OJO ALAMO	2245	4758		☐			
KIRTLAND	2441	4562		☐			
FRUITLAND	2621	4382		☐			Possible Gas
PICTURED CLIFFS	3022	3981		☐	120		
LEWIS	3109	3894		☐		97	
HUERFANITO BENTONITE	3427	3576		☐			
CHACRA	3873	3130		☐			
UPPER CLIFF HOUSE	4478	2525		☐			Gas
MASSIVE CLIFF HOUSE	4632	2371		☐	464	128	Gas
MENEFEE	4684	2319		☐			
Intermediate Casing	4834	2169		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1113 cuft. Circulate cement to surface.
POINT LOOKOUT	5260	1743		☐			
MANCOS	5607	1396		☐			
UPPER GALLUP	6378	625		☐			
GREENHORN	7251	-248		☐		179	
GRANEROS	7304	-301		☐			
TWO WELLS	7359	-356		☐	3150		
PAGUATE	7387	-384		☐			
UPPER CUBERO	7457	-454		☐			Gas

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SOONER 1E

DEVELOPMENT

LOWER CUBERO	7479	-476	☐	183	Gas - Bottom perf 7529 (-526) base on offset well.
Total Depth	7545	-542	☐		6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 373 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7550	-547	☐		Gas
BURRO CANYON	7583	-580	☐		Gas - Wet in TJ Foster-USA 2, 2 1/2 miles away in 26N 7W 18
MORRISON	7628	-625	☐		

Reference Wells:		
Reference Type	Well Name	Comments
Production	Candado 1-15	26N 7W 15 SW SW
Production	Sooner 1	26N 7W 21 NW SE NW
Production	NCRA 1-E	26N 7W 22 NE SW NE
Production	NCRA 1-22	26N 7W 22 NW NW

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 ~100' above Gallup to TD and mudlogger will call TD.	

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Sooner #1E
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 7003.0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico Cental Wells	MD Reference:	RKB @ 7003.0ft (AWS Rigs)
Site:	Other Named Wells	North Reference:	True
Well:	Sooner #1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico Cental Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site:	Other Named Wells				
Site Position:		Northing:	1,995,375.60ft	Latitude:	36° 28' 35.436 N
From:	Lat/Long	Easting:	107,943.61 ft	Longitude:	107° 35' 0.564 W
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.79 °

Well:	Sooner #1E, Directional S Curve					
Well Position	+N/-S	0.0 ft	Northing:	1,995,375.60 ft	Latitude:	36° 28' 35.436 N
	+E/-W	0.0 ft	Easting:	107,943.61 ft	Longitude:	107° 35' 0.564 W
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,988.0 ft	

Wellbore:	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2010	12/20/2010	9.83	63.31	50,652

Design:	Plan #1				
Audit Notes:					
Version:	1	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	86.82	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,282.0	15.64	86.82	1,272.3	5.9	105.9	2.00	2.00	0.00	86.82	
4,446.0	15.64	86.82	4,319.1	53.1	957.5	0.00	0.00	0.00	0.00	
4,967.3	0.00	0.00	4,834.0	57.1	1,028.1	3.00	-3.00	0.00	180.00	Sooner #1E ICP
7,678.3	0.00	0.00	7,545.0	57.1	1,028.1	0.00	0.00	0.00	0.00	Sooner #1E PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Sooner #1E
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Project:	San Juan Basin - New Mexico Cental Wells	MD Reference:	RKB @ 7003.0ft (AWS Rigs)
Site:	Other Named Wells	North Reference:	True
Well:	Sooner #1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
Surf									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	2.00	86.82	600.0	0.1	1.7	1.7	2.00	2.00	0.00
700.0	4.00	86.82	699.8	0.4	7.0	7.0	2.00	2.00	0.00
800.0	6.00	86.82	799.5	0.9	15.7	15.7	2.00	2.00	0.00
900.0	8.00	86.82	898.7	1.5	27.8	27.9	2.00	2.00	0.00
962.0	9.24	86.82	960.0	2.1	37.1	37.2	2.00	2.00	0.00
Nacimiento									
1,000.0	10.00	86.82	997.5	2.4	43.5	43.5	2.00	2.00	0.00
1,100.0	12.00	86.82	1,095.6	3.5	62.5	62.6	2.00	2.00	0.00
1,200.0	14.00	86.82	1,193.1	4.7	85.0	85.1	2.00	2.00	0.00
1,282.0	15.64	86.82	1,272.3	5.9	105.9	106.1	2.00	2.00	0.00
1,300.0	15.64	86.82	1,289.7	6.1	110.8	110.9	0.00	0.00	0.00
1,400.0	15.64	86.82	1,386.0	7.6	137.7	137.9	0.00	0.00	0.00
1,500.0	15.64	86.82	1,482.3	9.1	164.6	164.8	0.00	0.00	0.00
1,600.0	15.64	86.82	1,578.6	10.6	191.5	191.8	0.00	0.00	0.00
1,700.0	15.64	86.82	1,674.8	12.1	218.4	218.8	0.00	0.00	0.00
1,800.0	15.64	86.82	1,771.1	13.6	245.3	245.7	0.00	0.00	0.00
1,900.0	15.64	86.82	1,867.4	15.1	272.2	272.7	0.00	0.00	0.00
2,000.0	15.64	86.82	1,963.7	16.6	299.2	299.6	0.00	0.00	0.00
2,100.0	15.64	86.82	2,060.0	18.1	326.1	326.6	0.00	0.00	0.00
2,200.0	15.64	86.82	2,156.3	19.6	353.0	353.5	0.00	0.00	0.00
2,292.1	15.64	86.82	2,245.0	21.0	377.8	378.4	0.00	0.00	0.00
Ojo Alamo									
2,300.0	15.64	86.82	2,252.6	21.1	379.9	380.5	0.00	0.00	0.00
2,400.0	15.64	86.82	2,348.9	22.6	406.8	407.5	0.00	0.00	0.00
2,495.6	15.64	86.82	2,441.0	24.0	432.6	433.2	0.00	0.00	0.00
Kirtland									
2,500.0	15.64	86.82	2,445.2	24.1	433.7	434.4	0.00	0.00	0.00
2,600.0	15.64	86.82	2,541.5	25.6	460.7	461.4	0.00	0.00	0.00
2,682.5	15.64	86.82	2,621.0	26.8	482.9	483.6	0.00	0.00	0.00
Fruitland									
2,700.0	15.64	86.82	2,637.8	27.1	487.6	488.3	0.00	0.00	0.00
2,800.0	15.64	86.82	2,734.1	28.6	514.5	515.3	0.00	0.00	0.00
2,900.0	15.64	86.82	2,830.4	30.0	541.4	542.2	0.00	0.00	0.00
3,000.0	15.64	86.82	2,926.7	31.5	568.3	569.2	0.00	0.00	0.00
3,098.9	15.64	86.82	3,022.0	33.0	595.0	595.9	0.00	0.00	0.00
Pictured Cliffs									
3,100.0	15.64	86.82	3,023.0	33.0	595.2	596.2	0.00	0.00	0.00
3,189.3	15.64	86.82	3,109.0	34.4	619.3	620.2	0.00	0.00	0.00
Lewis									
3,200.0	15.64	86.82	3,119.3	34.5	622.2	623.1	0.00	0.00	0.00
3,300.0	15.64	86.82	3,215.6	36.0	649.1	650.1	0.00	0.00	0.00
3,400.0	15.64	86.82	3,311.9	37.5	676.0	677.0	0.00	0.00	0.00
3,500.0	15.64	86.82	3,408.2	39.0	702.9	704.0	0.00	0.00	0.00
3,519.5	15.64	86.82	3,427.0	39.3	708.2	709.2	0.00	0.00	0.00
Huerfano Bentonite									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Sooner #1E
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 7003.0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico Cental Wells	MD Reference:	RKB @ 7003.0ft (AWS Rigs)
Site:	Other Named Wells	North Reference:	True
Well:	Sooner #1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,600.0	15.64	86.82	3,504.5	40.5	729.8	730.9	0.00	0.00	0.00
3,700.0	15.64	86.82	3,600.8	42.0	756.7	757.9	0.00	0.00	0.00
3,800.0	15.64	86.82	3,697.1	43.5	783.7	784.9	0.00	0.00	0.00
3,900.0	15.64	86.82	3,793.4	45.0	810.6	811.8	0.00	0.00	0.00
3,982.7	15.64	86.82	3,873.0	46.2	832.8	834.1	0.00	0.00	0.00
Chacra									
4,000.0	15.64	86.82	3,889.7	46.5	837.5	838.8	0.00	0.00	0.00
4,100.0	15.64	86.82	3,986.0	48.0	864.4	865.7	0.00	0.00	0.00
4,200.0	15.64	86.82	4,082.3	49.5	891.3	892.7	0.00	0.00	0.00
4,300.0	15.64	86.82	4,178.6	51.0	918.2	919.7	0.00	0.00	0.00
4,400.0	15.64	86.82	4,274.9	52.5	945.2	946.6	0.00	0.00	0.00
4,446.0	15.64	86.82	4,319.1	53.1	957.5	959.0	0.00	0.00	0.00
4,500.0	14.02	86.82	4,371.4	53.9	971.3	972.8	3.00	-3.00	0.00
4,600.0	11.02	86.82	4,469.0	55.1	993.0	994.5	3.00	-3.00	0.00
4,609.2	10.74	86.82	4,478.0	55.2	994.7	996.2	3.00	-3.00	0.00
Upper Cliffhouse									
4,700.0	8.02	86.82	4,567.6	56.0	1,009.5	1,011.0	3.00	-3.00	0.00
4,764.9	6.07	86.82	4,632.0	56.5	1,017.4	1,019.0	3.00	-3.00	0.00
Massive Cliffhouse									
4,800.0	5.02	86.82	4,667.0	56.6	1,020.8	1,022.4	3.00	-3.00	0.00
4,817.1	4.50	86.82	4,684.0	56.7	1,022.2	1,023.8	3.00	-3.00	0.00
Menefee									
4,900.0	2.02	86.82	4,766.8	57.0	1,026.9	1,028.5	3.00	-3.00	0.00
4,967.3	0.00	0.00	4,834.0	57.1	1,028.1	1,029.7	3.00	-3.00	-129.09
Int - Sooner #1E ICP									
5,000.0	0.00	0.00	4,866.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,100.0	0.00	0.00	4,966.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,066.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,166.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,393.3	0.00	0.00	5,260.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Point Lookout									
5,400.0	0.00	0.00	5,266.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,366.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,466.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,566.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,740.3	0.00	0.00	5,607.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Mancos									
5,800.0	0.00	0.00	5,666.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,766.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,866.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,100.0	0.00	0.00	5,966.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,066.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,166.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,266.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,366.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,511.3	0.00	0.00	6,378.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Upper Gallup									
6,600.0	0.00	0.00	6,466.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,566.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,666.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,766.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,866.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico Cental Wells
 Site: Other Named Wells
 Well: Sooner #1E
 Wellbore: Original Hole
 Design: Plan #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Sooner #1E
 RKB @ 7003.0ft (AWS Rigs)
 RKB @ 7003.0ft (AWS Rigs)
 True
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,100.0	0.00	0.00	6,966.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,066.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,166.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,384.3	0.00	0.00	7,251.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Greenhorn									
7,400.0	0.00	0.00	7,266.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,437.3	0.00	0.00	7,304.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Graneros									
7,492.3	0.00	0.00	7,359.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Two Wells									
7,500.0	0.00	0.00	7,366.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,520.3	0.00	0.00	7,387.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Paguete									
7,590.3	0.00	0.00	7,457.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Upper Cubero									
7,600.0	0.00	0.00	7,466.7	57.1	1,028.1	1,029.7	0.00	0.00	0.00
7,612.3	0.00	0.00	7,479.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Lower Cubero									
7,678.3	0.00	0.00	7,545.0	57.1	1,028.1	1,029.7	0.00	0.00	0.00
Total Depth - Prod - Sooner #1E PCP									

Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Sooner #1E ICP	- plan hits target center - Circle (radius 50.0)	0.00	0.00	4,834.0	57.1	1,028.1	1,995,418.42	108,972.50	36° 28' 36.000 N	107° 34' 47.976 W
Sooner #1E PCP	- plan hits target center - Circle (radius 0.0)	0.00	0.00	7,545.0	57.1	1,028.1	1,995,418.47	108,972.48	36° 28' 36.000 N	107° 34' 47.976 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,967.3	4,834.0	Int	7	8-3/4
320.0	320.0	Surf	9-5/8	12-1/4
7,678.3	7,545.0	Prod	4-1/2	6-1/4

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Sooner #1E
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 7003.0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico Cental Wells	MD Reference:	RKB @ 7003.0ft (AWS Rigs)
Site:	Other Named Wells	North Reference:	True
Well:	Sooner #1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,682.5	2,621.0	Fruitland		0.00		
3,189.3	3,109.0	Lewis		0.00		
	7,583.0	Burro Canyon		0.00		
5,740.3	5,607.0	Mancos		0.00		
3,982.7	3,873.0	Chacra		0.00		
962.0	960.0	Nacimiento		0.00		
2,495.6	2,441.0	Kirtland		0.00		
	7,550.0	Encinal		0.00		
7,492.3	7,359.0	Two Wells		0.00		
7,590.3	7,457.0	Upper Cubero		0.00		
5,393.3	5,260.0	Point Lookout		0.00		
3,519.5	3,427.0	Huerfanito Bentonite		0.00		
3,098.9	3,022.0	Pictured Cliffs		0.00		
2,292.1	2,245.0	Ojo Alamo		0.00		
	7,628.0	Morrison		0.00		
6,511.3	6,378.0	Upper Gallup		0.00		
4,817.1	4,684.0	Menefee		0.00		
7,678.3	7,545.0	Total Depth		0.00		
7,384.3	7,251.0	Greenhorn		0.00		
4,764.9	4,632.0	Massive Cliffhouse		0.00		
7,612.3	7,479.0	Lower Cubero		0.00		
7,437.3	7,304.0	Graneros		0.00		
4,609.2	4,478.0	Upper Cliffhouse		0.00		
7,520.3	7,387.0	Paguate		0.00		

REFERENCE INFORMATION

RKB @ 7003.0ft (AWS Rigs)
Ground Elevation 6988.0
Reference Lat: 36° 28' 35.436 N
Reference Long: 107° 35' 0.564 W

Project: San Juan Basin - New Mexico Cental V
Site: Other Named Wells
Well: Sooner #1E
Wellbore: Original Hole
Design: Plan #1

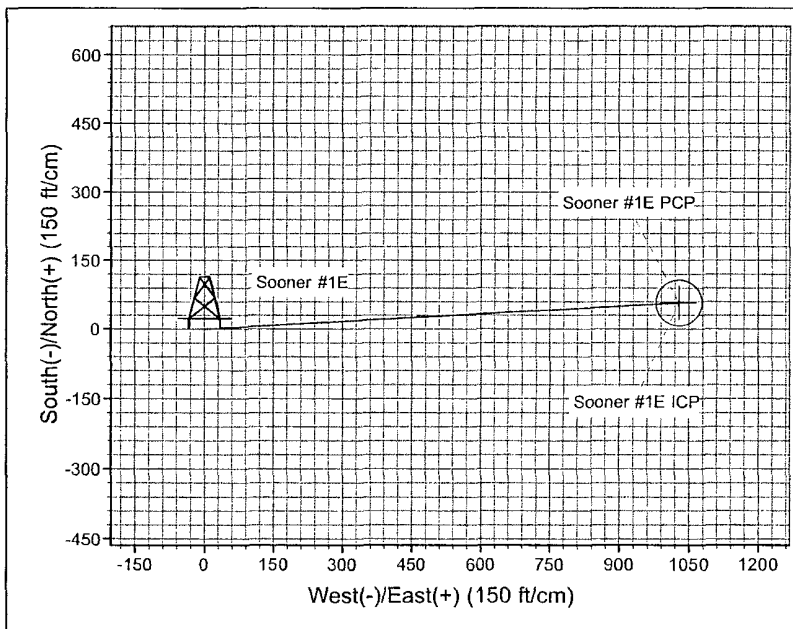
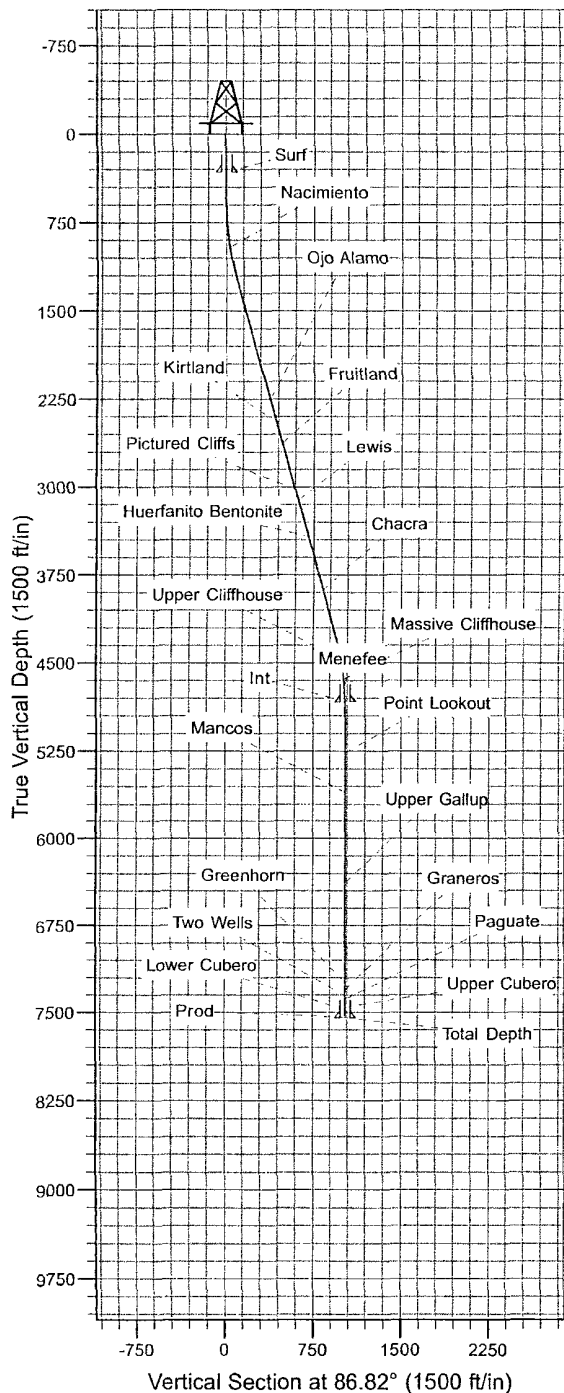
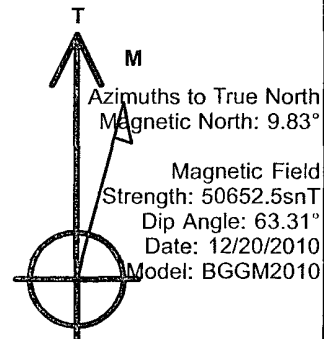
ConocoPhillips

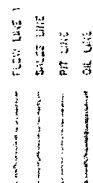
SECTION DETAILS

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	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1282.0	15.64	86.82	1272.3	5.9	105.9	2.00	86.82	106.1	
4	4446.0	15.64	86.82	4319.1	53.1	957.5	0.00	0.00	959.0	
5	4967.3	0.00	0.00	4834.0	57.1	1028.1	3.00	180.00	1029.7	Sooner #1E ICP
6	7678.3	0.00	0.00	7545.0	57.1	1028.1	0.00	0.00	1029.7	Sooner #1E PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
960.0	962.0	Nacimiento
2245.0	2292.1	Ojo Alamo
2441.0	2495.6	Kirtland
2621.0	2682.5	Fruitland
3022.0	3098.9	Pictured Cliffs
3109.0	3189.3	Lewis
3427.0	3519.5	Huerfano Bentonite
3873.0	3982.7	Chacra
4478.0	4609.2	Upper Cliffhouse
4632.0	4764.9	Massive Cliffhouse
4684.0	4817.1	Menefee
5260.0	5393.3	Point Lookout
5607.0	5740.3	Mancos
6378.0	6511.3	Upper Gallup
7251.0	7384.3	Greenhorn
7304.0	7437.3	Graneros
7359.0	7492.3	Two Wells
7387.0	7520.3	Paguate
7457.0	7590.3	Upper Cubero
7479.0	7612.3	Lower Cubero
7545.0	7678.3	Total Depth





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ConocoPhillips

LITERATURE
 HIGH PRESSURE
 POLYMERIZATION

SAN JUAN BUSINESS UNIT

DATE	10/25/2008
TIME	10:55 AM
LOCATION	100-100000
REMARKS	

Directions from the Intersection of
Hwy 550 & Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP
SOONER #1E

1020' FNL & 1780' FWL,
Section 21, T26N, R7W, N.M.P.M., Rio Arriba County,
New Mexico

Latitude: 36 ° 28' 35.473" N

Longitude: 107 ° 35' 02.750" W

NAD 1983

Take Hwy 550 (south) for 22.5 miles to CR 7425
turn left (northeasterly) ON CR 7425 FOR 7.2 miles
turn left (north) 0.3 miles
turn right (east) 1.0 miles
turn right (south) 0.4 miles
turn left (southeast) across Blanco wash 3.6 miles
continue (southerly) 0.4 miles to top of pork chop Hill,
continue (east) 0.7 miles
stay left (northeast) @ y-intersection 0.3 miles
turn right (east-southeasterly) 2.7 miles,
turn left (northeasterly) 0.4 miles,
turn right (north-northeasterly) 2.1 miles,
turn right (southeasterly) 0.1 miles,
turn left (northerly) 2.9 miles
turn right (northeasterly) 0.5 miles
to beginning of new access on northwest side of existing pad
turn left (northeast) 413.21' to newly staked location.