

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 30 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078174-A Unit Reporting Number CANMNM68527(NW) NMNM74055 6. If Indian, All. or Tribe
1b. Type of Well GAS	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name  H ₂ S POTENTIAL EXIST
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Kessler Com 9. Well Number 3P
4. Location of Well Surface: Unit P(SESE), 1303' FSL & 1251' FEL BHL : Unit J(NWSE), 2280' FSL & 1860' FEL Surface: Latitude: 36.7792131° N (NAD83) Longitude: 107.9380850° W BHL : Latitude: 36.7819262° N (NAD83) Longitude: 107.9401759° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T30N, R11W API# 30-045-35382
14. Distance in Miles from Nearest Town 8 miles from Aztec	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 1251'	13. State NM
16. Acres in Lease 235.920	17. Acres Assigned to Well 313.36 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 410' from Kessler 2/PC	
19. Proposed Depth 7055'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6002' GL	22. Approx. Date Work will Start RCVD JUN 28 '12 MIL CHNS. DIV. DIST. 3
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	<u>5/30/12</u> Date

Hold C104
for Directional Survey
and "As Drilled" plat

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATE 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 6/26/12

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

This action is subject to technical and
procedural review pursuant to 43 CFR 3160.9
and appeal pursuant to 43 CFR 3165.4

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

for Directional Survey
and "As Drilled" plat

NMOCD

JUL 10 2012

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

RECEIVED

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

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

DISTRICT III
1000 Ido 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

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

Form C-102
MAY 30 2012 Revised July 18, 2010
Submit one copy to appropriate
Farmington Field Office District Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045 - 35382	² Pool Code 72319/71599	³ Pool Name BLANCO MESA VERDE / DAKOTA
⁴ Property Code 7223	⁵ Property Name KESSLER COM	⁶ Well Number 3P
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6002

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
P	25	30 N	11 W	LOT 15	1303	SOUTH	1251	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
J	25	30 N	11 W	LOT 10	2280	SOUTH	1860	EAST	SAN JUAN

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	Order No.
313.36 (E/2)			

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 N 88°22'56" W 2592.72'

BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED.

LOT 4 (39.14) LOT 3 (39.09)

LOT 5 (39.12) LOT 6 (39.07)

-00°03'46"

G.N.=GRID NORTH
T.N.=TRUE NORTH

CONVERGENCE AT SURFACE LOCATION

SECTION 25

BHL

LAT: 36.7819262° N
LONG: 107.9401759° W
NAD 83

LAT: 36°46.91530' N
LONG: 107°56.37326' W
NAD 27

LOT 11 (39.38)

LOT 12 (39.63) LOT 13 (39.48)

SURFACE

LAT: 36.7792131° N
LONG: 107.9380850° W
NAD 83

LAT: 36°46.75251' N
LONG: 107°56.24781' W
NAD 27

USA SF-078198

⊕ = FOUND 1969 B.L.M. BRASS CAP
⊙ = FOUND 1967 B.L.M. BRASS CAP

LOT 2 (39.07) LOT 1 (39.02)

LOT 7 (39.12) LOT 8 (39.07)

USA NM-019411

○ = SURFACE LOCATION
⊙ = BOTTOM HOLE LOCATION

USA SF-078174-A

1860'

LOT 9 (39.17)

LOT 10 (39.31)

LOT 14 (39.37)

LOT 15 (39.23)

2605.98'

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.

Arleen Kellywood 7/29/11
Signature Date
Arleen Kellywood
Printed Name
arleen.r.kellywood@conocophillips.com
E-mail Address

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.

6/29/11
Date of Survey

Signature and Seal of Professional Surveyor

MARSHALL W. LINDEEN
NEW MEXICO
17078
PROFESSIONAL SURVEYOR

17078
Certificate Number

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KESSLER COM 3P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1051				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 730		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: 36.779209	Longitude: -107.937464	X:	Y:	Section: 25	Range: 011W		
Footage X: 1251 FEL	Footage Y: 1303 FSL	Elevation: 6002	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.781922	Longitude: -107.939554	X:	Y:	Section: 25	Range: 011W		
Footage X: 1860 FEL	Footage Y: 2280 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6017		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
NACIMIENTO	15	6002		☐			Ground Water md: 80', ss: 5832' in Seymour Com 3.
Surface Casing	200	5817		☐		60	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	1068	4949		☐			
KIRTLAND	1201	4816		☐			
FRUITLAND	1823	4194		☐			Possible Gas
PICTURED CLIFFS	2433	3584		☐	16	106	
LEWIS	2549	3468		☐			
HUERFANITO BENTONITE	3173	2844		☐			Wet in Lloyd 2A (30n11w24) 15 bbl/hr.
CHACRA	3416	2601		☐		126	
UPPER CLIFF HOUSE	3925	2092		☐			Gas
MASSIVE CLIFF HOUSE	4074	1943		☐	566		Gas
MENEFEE	4197	1820		☐		142	
Intermediate Casing	4347	1670		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1033 cuft. Circulate cement to surface.
POINT LOOKOUT	4721	1296		☐			
MANCOS	5112	905		☐		161	
UPPER GALLUP	5964	53		☐			
GREENHORN	6703	-686		☐			Wet between GRHN and GRRS, would not dry up in NYE SRC 15N (31n11w25)
GRANEROS	6760	-743		☐		195	
TWO WELLS	6820	-803		☐	1735		Gas
PAGUATE	6886	-869		☐			Gas

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KESSLER COM 3P

DEVELOPMENT

LOWER CUBERO	6945	-928	☐	L99	Gas
ENCINAL	6992	-975	☐		
Total Depth	7055	-1038	☐	200	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC/BTC casing. Cement w/ 359 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7060	-1043	☐		Wet in Nye SRC 15n (30n11w25), Ross Fed 1M (30n11w23), Ross Fed 1R (30n11w23)
MORRISON	7083	-1066	☐		

Reference Wells:		
Reference Type	Well Name	Comments
Production	NYE SRC 15	

Logging Program:

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

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

gr/cbl.
mud log ~100' above glp down to td.
mudlogger will call td.
bottom perf ~15' above 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 Kessler Com 3P	
Company: ConocoPhillips SJB	TVD Reference: WELL @ 6017 0ft (Original Well Elev)	
Project: San Juan Basin - New Mexico West Wells	MD Reference: WELL @ 6017 0ft (Original Well Elev)	
Site: Other Named Wells	North Reference: True	
Well: Kessler Com 3P	Survey Calculation Method: Minimum Curvature	
Wellbore: Wellbore #1		
Design: APD Plan		

Project: San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System: US State Plane 1927 (Exact solution)	System Datum: Ground Level	
Geo Datum: NAD 1927 (NADCON CONUS)		
Map Zone: New Mexico West 3003	Using geodetic scale factor	

Site: Other Named Wells			
Site Position:	Lat/Long	Northing: 2,063,826.04 ft	Latitude: 36° 40' 18.848 N
From:		Easting: 504,691.02 ft	Longitude: 107° 49' 2.415 W
Position Uncertainty:	15.0 ft	Slot Radius: 6-1/8"	Grid Convergence: 0.01 °

Well: Kessler Com 3P			
Well Position	+N-S 0.0 ft	Northing: 2,102,906.36 ft	Latitude: 36° 46' 45.151 N
	+E-W 0.0 ft	Easting: 469,504.71 ft	Longitude: 107° 56' 14.869 W
Position Uncertainty	0.0 ft	Wellhead Elevation: 0.0 ft	Ground Level: 6,002.0 ft

Wellbore: Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	5/22/2012	9.86	63.43	50,607

Design: APD Plan			
Audit Notes:			
Version:	Phase: PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)
	0.0	0.0	0.0
			Direction (°)
			328.21

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	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,180.9	25.83	328.21	1,152.0	162.1	-100.5	3.00	3.00	0.00	328.21	
2,972.8	25.83	328.21	2,765.0	825.7	-511.8	0.00	0.00	0.00	0.00	
3,833.7	0.00	0.00	3,597.0	987.8	-612.3	3.00	-3.00	0.00	180.00	
4,583.7	0.00	0.00	4,347.0	987.8	-612.3	0.00	0.00	0.00	0.00	Kessler Com 3P ICP
7,291.7	0.00	0.00	7,055.0	987.8	-612.3	0.00	0.00	0.00	0.00	Kessler Com 3P PCP

ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico West Wells
Site: Other Named Wells
Well: Kessler Com 3P
Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference: Well Kessler Com 3P
TVD Reference: WELL @ 6017.0ft (Original Well Elev)
MD Reference: WELL @ 6017.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
15.0	0.00	0.00	15.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
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
SCP									
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
400.0	2.40	328.21	400.0	1.4	-0.9	1.7	3.00	3.00	0.00
500.0	5.40	328.21	499.7	7.2	-4.5	8.5	3.00	3.00	0.00
600.0	3.40	328.21	599.0	17.4	-10.8	20.5	3.00	3.00	0.00
700.0	11.40	328.21	697.5	32.0	-19.9	37.7	3.00	3.00	0.00
800.0	14.40	328.21	795.0	51.0	-31.6	60.0	3.00	3.00	0.00
900.0	17.40	328.21	891.1	74.3	-46.0	87.4	3.00	3.00	0.00
1,000.0	20.40	328.21	985.7	101.8	-63.1	119.8	3.00	3.00	0.00
1,088.6	23.06	328.21	1,068.0	129.7	-80.4	152.6	3.00	3.00	0.00
Ojo Alamo									
1,100.0	23.40	328.21	1,078.5	133.5	-82.8	157.1	3.00	3.00	0.00
1,180.9	25.83	328.21	1,152.0	162.1	-100.5	190.8	3.00	3.00	0.00
1,200.0	25.83	328.21	1,169.2	169.2	-104.9	199.1	0.00	0.00	0.00
1,235.3	25.83	328.21	1,201.0	182.3	-113.0	214.5	0.00	0.00	0.00
Kirtland									
1,300.0	25.83	328.21	1,259.2	206.2	-127.8	242.7	0.00	0.00	0.00
1,400.0	25.83	328.21	1,349.3	243.3	-150.8	286.2	0.00	0.00	0.00
1,500.0	25.83	328.21	1,439.3	280.3	-173.7	329.8	0.00	0.00	0.00
1,600.0	25.83	328.21	1,529.3	317.3	-196.7	373.3	0.00	0.00	0.00
1,700.0	25.83	328.21	1,619.3	354.4	-219.7	416.9	0.00	0.00	0.00
1,800.0	25.83	328.21	1,709.3	391.4	-242.6	460.5	0.00	0.00	0.00
1,900.0	25.83	328.21	1,799.3	428.4	-265.6	504.0	0.00	0.00	0.00
1,926.3	25.83	328.21	1,823.0	438.2	-271.6	515.5	0.00	0.00	0.00
Fruitland Coal									
2,000.0	25.83	328.21	1,889.3	465.4	-288.5	547.6	0.00	0.00	0.00
2,100.0	25.83	328.21	1,979.3	502.5	-311.5	591.2	0.00	0.00	0.00
2,200.0	25.83	328.21	2,069.3	539.5	-334.4	634.7	0.00	0.00	0.00
2,300.0	25.83	328.21	2,159.4	576.5	-357.4	678.3	0.00	0.00	0.00
2,400.0	25.83	328.21	2,249.4	613.6	-380.3	721.9	0.00	0.00	0.00
2,500.0	25.83	328.21	2,339.4	650.6	-403.3	765.4	0.00	0.00	0.00
2,600.0	25.83	328.21	2,429.4	687.6	-426.2	809.0	0.00	0.00	0.00
2,604.0	25.83	328.21	2,433.0	689.1	-427.1	810.7	0.00	0.00	0.00
Pictured Cliffs									
2,700.0	25.83	328.21	2,519.4	724.6	-449.2	852.6	0.00	0.00	0.00
2,732.9	25.83	328.21	2,549.0	736.8	-456.7	866.9	0.00	0.00	0.00
Lewis									
2,800.0	25.83	328.21	2,609.4	761.7	-472.1	896.1	0.00	0.00	0.00
2,900.0	25.83	328.21	2,699.4	798.7	-495.1	939.7	0.00	0.00	0.00
2,972.8	25.83	328.21	2,765.0	825.7	-511.8	971.4	0.00	0.00	0.00
3,000.0	25.01	328.21	2,789.5	835.6	-517.9	983.1	3.00	-3.00	0.00
3,100.0	22.01	328.21	2,881.2	869.5	-539.0	1,023.0	3.00	-3.00	0.00
3,200.0	19.01	328.21	2,974.9	899.3	-557.4	1,058.0	3.00	-3.00	0.00
3,300.0	16.01	328.21	3,070.2	924.8	-573.3	1,088.1	3.00	-3.00	0.00
3,400.0	13.01	328.21	3,167.0	946.1	-586.5	1,113.1	3.00	-3.00	0.00
3,406.1	12.83	328.21	3,173.0	947.3	-587.2	1,114.5	3.00	-3.00	0.00
Huerfano Bentonite									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Kessler Com 3P
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6017.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6017.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Kessler Com 3P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

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)
3,500.0	10.01	328.21	3,265.0	963.1	-597.0	1,133.1	3.00	-3.00	0.00
3,600.0	7.01	328.21	3,363.9	975.7	-604.8	1,147.9	3.00	-3.00	0.00
3,652.4	5.44	328.21	3,416.0	980.5	-607.8	1,153.6	3.00	-3.00	0.00
Chacra									
3,700.0	4.01	328.21	3,463.4	983.8	-609.8	1,157.5	3.00	-3.00	0.00
3,800.0	1.01	328.21	3,563.3	987.5	-612.1	1,161.9	3.00	-3.00	0.00
3,833.7	0.00	0.00	3,597.0	987.8	-612.3	1,162.2	3.00	-3.00	0.00
3,900.0	0.00	0.00	3,663.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,000.0	0.00	0.00	3,763.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,100.0	0.00	0.00	3,863.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,161.7	0.00	0.00	3,925.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Upper Cliff House									
4,200.0	0.00	0.00	3,963.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,300.0	0.00	0.00	4,063.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,310.7	0.00	0.00	4,074.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Massive Cliff House									
4,400.0	0.00	0.00	4,163.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,433.7	0.00	0.00	4,197.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Menefee									
4,500.0	0.00	0.00	4,263.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,583.7	0.00	0.00	4,347.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
ICP - Kessler Com 3P ICP									
4,600.0	0.00	0.00	4,363.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,700.0	0.00	0.00	4,463.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,800.0	0.00	0.00	4,563.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,663.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
4,957.7	0.00	0.00	4,721.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Point Lookout									
5,000.0	0.00	0.00	4,763.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,100.0	0.00	0.00	4,863.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,200.0	0.00	0.00	4,963.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,063.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,348.7	0.00	0.00	5,112.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Mancos									
5,400.0	0.00	0.00	5,163.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,263.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,363.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,463.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,563.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,663.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,763.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,100.0	0.00	0.00	5,863.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,200.0	0.00	0.00	5,963.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,200.7	0.00	0.00	5,964.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Upper Gallup									
6,300.0	0.00	0.00	6,063.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,163.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,263.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,363.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,463.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,800.0	0.00	0.00	6,563.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
6,900.0	0.00	0.00	6,663.3	987.8	-612.3	1,162.2	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Kessler Com 3P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6017.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6017.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Kessler Com 3P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

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)
6,939.7	0.00	0.00	6,703.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Greenhorn									
6,996.7	0.00	0.00	6,760.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Graneros									
7,000.0	0.00	0.00	6,763.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
7,056.7	0.00	0.00	6,820.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Two Wells									
7,100.0	0.00	0.00	6,863.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
7,122.7	0.00	0.00	6,886.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Paguate									
7,181.7	0.00	0.00	6,945.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Lower Cubero									
7,200.0	0.00	0.00	6,963.3	987.8	-612.3	1,162.2	0.00	0.00	0.00
7,228.7	0.00	0.00	6,992.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
Encinal									
7,291.7	0.00	0.00	7,055.0	987.8	-612.3	1,162.2	0.00	0.00	0.00
PCP - Kessler Com 3P PCP									

Targets										
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude		Longitude
Kessler Com 3P PCP	0.00	0.00	7,055.0	987.8	-612.3	2,103,894.75	468,893.49	36° 46' 54.918 N		107° 56' 22.396 W
- plan hits target center										
- Point										
Kessler Com 3P ICP	0.00	0.00	4,347.0	987.8	-612.3	2,103,894.75	468,893.54	36° 46' 54.918 N		107° 56' 22.395 W
- plan hits target center										
- Point										

Casing Points							Casing Diameter (")	Hole Diameter (")
Measured Depth (ft)	Vertical Depth (ft)	Name						
7,291.7	7,055.0	PCP					4-1/2	6-1/4
200.0	200.0	SCP					9-5/8	12-1/4
4,583.7	4,347.0	ICP					7	8-3/4

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Kessler Com 3P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6017.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6017.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Kessler Com 3P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
1,926.3	1,823.0	Fruitland Coal		0.00		
2,604.0	2,433.0	Pictured Cliffs		0.00		
6,939.7	6,703.0	Greenhorn		0.00		
7,181.7	6,945.0	Lower Cubero		0.00		
7,228.7	6,992.0	Encinal		0.00		
5,348.7	5,112.0	Mancos		0.00		
3,406.1	3,173.0	Huerfano Bentonite		0.00		
4,161.7	3,925.0	Upper Cliff House		0.00		
7,056.7	6,820.0	Two Wells		0.00		
1,088.6	1,068.0	Ojo Alamo		0.00		
3,652.4	3,416.0	Chacra		0.00		
6,996.7	6,760.0	Graneros		0.00		
1,235.3	1,201.0	Kirtland		0.00		
4,433.7	4,197.0	Menefee		0.00		
7,122.7	6,886.0	Paguate		0.00		
15.0	15.0	Nacimiento		0.00		
2,732.9	2,549.0	Lewis		0.00		
4,957.7	4,721.0	Point Lookout		0.00		
4,310.7	4,074.0	Massive Cliff House		0.00		
6,200.7	5,964.0	Upper Gallup		0.00		

REFERENCE INFORMATION

WELL @ 6017.0ft (Original Well Elev)
Ground Elevation 6002.0
Reference Lat: 36° 46' 45.151 N
Reference Long: 107° 56' 14.869 W

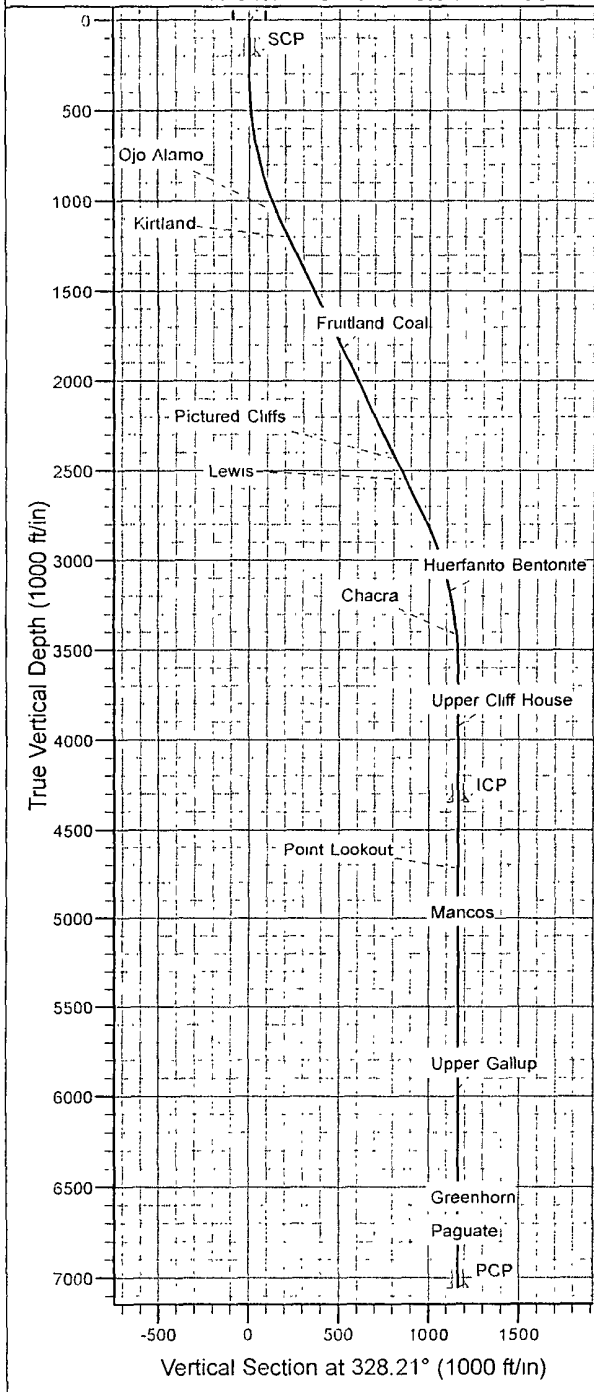
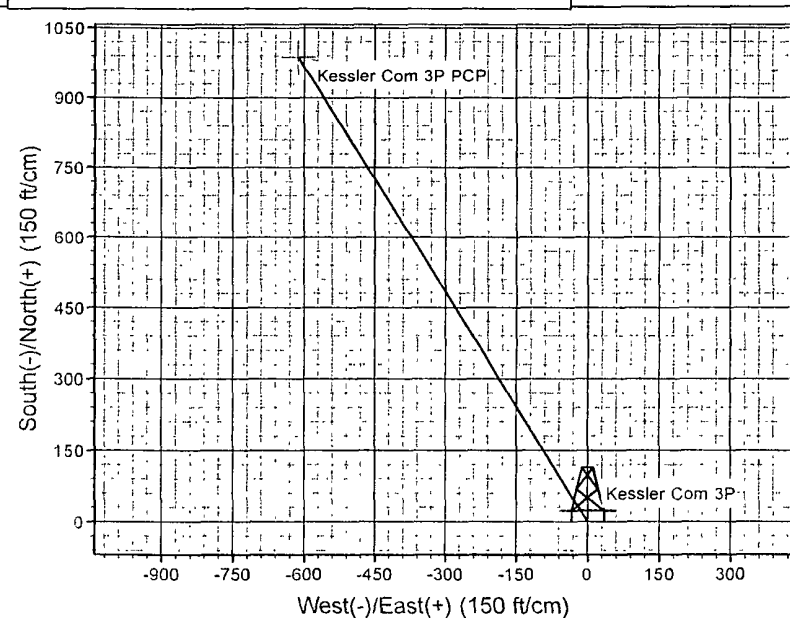
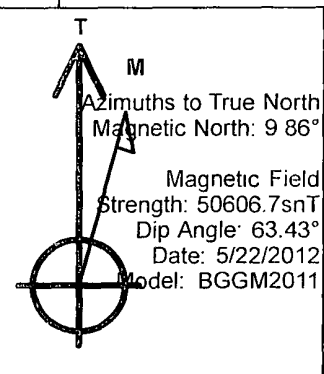
Project: San Juan Basin - New Mexico West W
Site: Other Named Wells
Well: Kessler Com 3P
Wellbore: Wellbore #1
Design: APD Plan

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	1180.9	25.83	328.21	1152.0	162.1	-100.5	3.00	328.21	190.8	
4	2972.8	25.83	328.21	2765.0	825.7	-511.8	0.00	0.00	971.4	
5	3833.7	0.00	0.00	3597.0	987.8	-612.3	3.00	180.00	1162.2	
6	4583.7	0.00	0.00	4347.0	987.8	-612.3	0.00	0.00	1162.2	Kessler Com 3P ICP
7	7291.7	0.00	0.00	7055.0	987.8	-612.3	0.00	0.00	1162.2	Kessler Com 3P PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
15.0	15.0	Nacimiento
1068.0	1088.6	Ojo Alamo
1201.0	1235.3	Kirtland
1823.0	1926.3	Fruitland Coal
2433.0	2604.0	Pictured Cliffs
2549.0	2732.9	Lewis
3173.0	3406.1	Huerfano Bentonite
3416.0	3652.4	Chacra
3925.0	4161.7	Upper Cliff House
4074.0	4310.7	Massive Cliff House
4197.0	4433.7	Menefee
4721.0	4957.7	Point Lookout
5112.0	5348.7	Mancos
5964.0	6200.7	Upper Gallup
6703.0	6939.7	Greenhorn
6760.0	6996.7	Graneros
6820.0	7056.7	Two Wells
6886.0	7122.7	Paguate
6945.0	7181.7	Lower Cubero
6992.0	7228.7	Encinal



BURLINGTON RESOURCES OIL & GAS COMPANY LP

KESSLER COM 3P

1303' FSL & 1251' FEL (SURFACE)

2280' FSL & 1860' FEL (BOTTOM HOLE)

LATITUDE: 36.7792131° N

LONGITUDE: 107.9380850 W

NAD 83

SECTION 25, T-30-N, R-11-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

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

TRAVEL NORTHEASTERLY ON U.S. HIGHWAY 550 FOR 1.0 MILE.

TURN RIGHT ONTO NEW MEXICO STATE HIGHWAY 173 AND

TRAVEL EASTERLY 4.2 MILES TO TOP OF HILL.

TURN RIGHT ONTO NEW MEXICO STATE HIGHWAY 575 AND

TURN RIGHT IMMEDIATELY ONTO A DIRT ROAD.

TRAVEL SOUTHWESTERLY (PASSING FORK IN ROAD) 0.3 MILE.

TURN LEFT AND TRAVEL SOUTHWESTERLY FOLLOWING PIPELINE
CORRIDOR 2.2 MILES.

TURN LEFT AND TRAVEL WESTERLY 0.2 MILE,

PASS THROUGH KESSLER 2 EXISTING WELL LOCATION

TO KESSLER COM 3P PROPOSED ACCESS AND WELL LOCATION.