

Submit 3 Copies To Appropriate District
Office
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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Jun 19, 2008

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

WELL API NO. 30-039-30889
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-291-49
7. Lease Name or Unit Agreement Name Johnston A Com
8. Well Number #7
9. OGRID Number 14538
10. Pool name or Wildcat Basin Dakota/Basin Mancos

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 P.O. Box 4289, Farmington, NM 87499-4289	
4. Well Location Unit Letter <u>N</u> : <u>885</u> feet from the <u>South</u> line and <u>1678</u> feet from the <u>West</u> line Section <u>32</u> Township <u>26N</u> Range <u>6W</u> NMPM <u>Rio Arriba County</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>6754' GR</u>	

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 ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

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

OTHER:

Nudge wellbore ☒

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.

This well is located near an existing P&A well. Plans are to use directional tools to nudge away from the existing wellbore to avoid collision issues. Upon completion of the well, COPC will supply a certified directional survey, the completion reports which will indicate the bottomhole location and an "as drilled plat" will also be supplied with the completion paperwork.

Hold C104
for Directional Survey
and "As Drilled" plat

Hold C104
for Directional Survey
and "As Drilled" plat

Spud Date:

3/6/12

Rig Released Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Journey TITLE Regulatory Technician DATE 3/8/12

Type or print name Denise Journey E-mail address: Denise.Journey@conocophillips.com PHONE: 505-326-9556

For State Use Only

APPROVED BY: Charles TITLE SUPERVISOR DISTRICT #3 DATE MAR 19 2012

Conditions of Approval (if any):

AV

RCVD MAR 19 '12
OIL CONS. DIV.
DIST. 3

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNSTON A COM 7

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9070				AFE \$: 1,675,314.47	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA	API #: 3003930889	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary/Objective (Zones):							
Zone	Zone Name						
RCO085	MANCOS(RCO085)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.437592	Longitude: -107.493410	X:	Y:	Section: 32	Range: 006W		
Footage X: 1678 FWL	Footage Y: 885 FSL	Elevation: 6754	(FT)	Township: 026N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.437222	Longitude: -107.492866	X:	Y:	Section: 32	Range: 006W		
Footage X: 1838 FWL	Footage Y: 751 FSL	Elevation:	(FT)	Township: 026N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6769 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	6539		☐			12-1/4" hole, 9 5/8" 32.3 ppf, J-55, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1044	5725		☐			This pick is beyond good control - use as rough estimate
OJO ALAMO	2189	4580		☐			
KIRTLAND	2363	4406		☐			
FRUITLAND	2446	4323		☐			Possible Gas
PICTURED CLIFFS	2849	3920		☐	250		
LEWIS	2925	3844		☐			
HUERFANITO BENTONITE	3253	3516		☐			
CHACRA	3715	3054		☐			
MASSIVE CLIFF HOUSE	4467	2302		☐			CH is in wet area
MENEFEE	4504	2265		☐			
Intermediate Casing	4604	2165		☐			8-3/4" hole, 7" 20 ppf, J-55, STC casing. Cement with 682 cuft. Circ cement to surface.
POINT LOOKOUT	5067	1702		☐	1050		PNLK is just beyond productive limit and likely wet
MANCOS	5409	1360		☐			
UPPER GALLUP	6159	610		☐			
GREENHORN	7042	-273		☐			
GRANEROS	7099	-330		☐			
TWO WELLS	7151	-382		☐	3375		Gas
PAGUATE	7193	-424		☐			
UPPER CUBERO	7239	-470		☐			
LOWER CUBERO	7267	-498		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNSTON A COM 7

DEVELOPMENT

OAK CANYON	7305	-536	☐	
ENCINAL	7339	-570	☐	Estimated bottom perf 15' into Encinal unless gas show.....
Total Depth	7369	-600	☐	183 6-1/4 hole, 4-1/2" 11.6 ppf, J-55/L-80 STC/LTC casing. Cement with 574 cuft. Circulate cement a mininum of 100' into previous casing.
BURRO CANYON	7379	-610	☐	
MORRISON	7439	-670	☐	

Reference Wells:		
Reference Type	Well Name	Comments
Production	Canyon Largo 454	NW5 25-6
Production	Johnston A Com 5	NE32 26-6
Production	Canyon Largo 481	NE5 25-6

Logging Program:

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

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

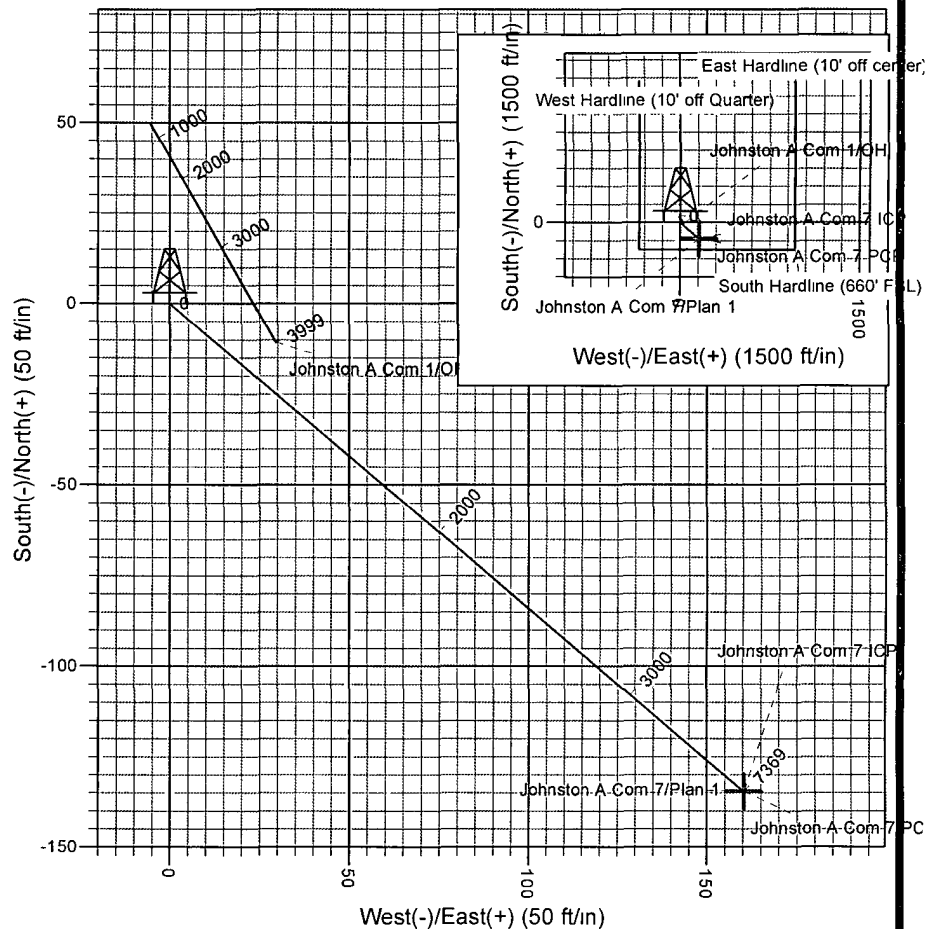
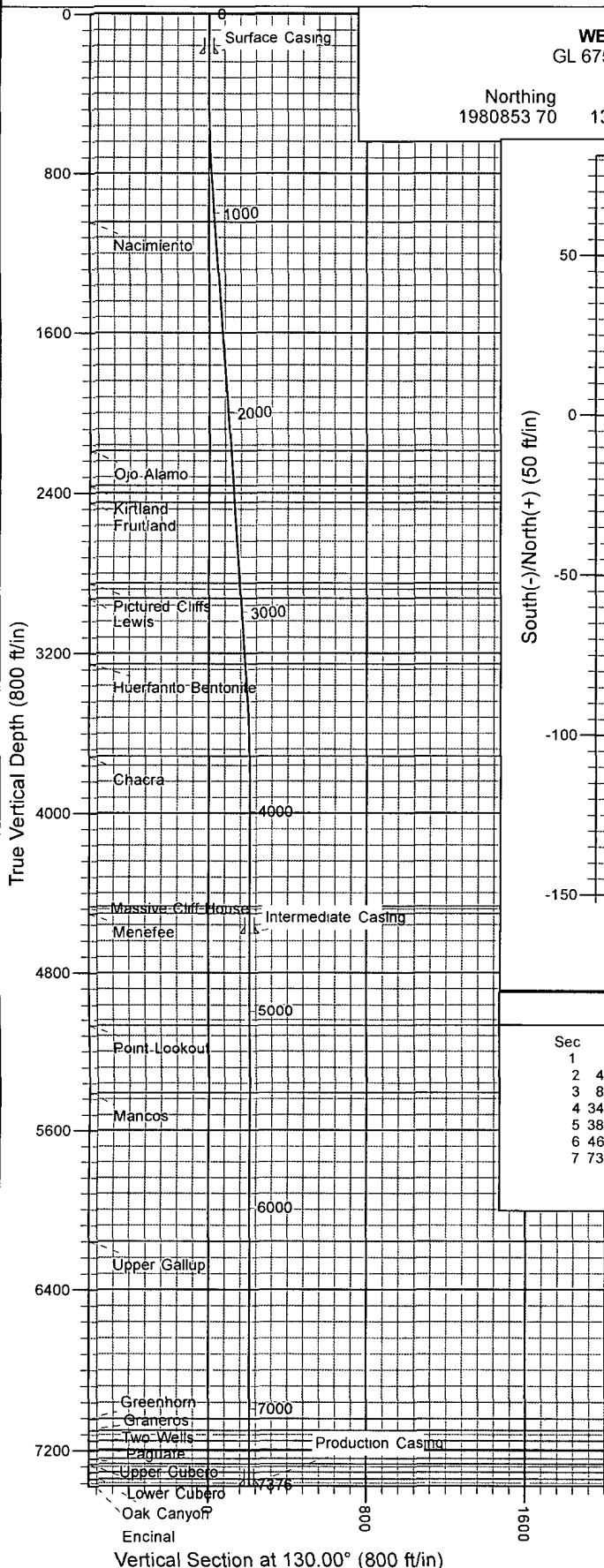
Mudlog from ~100' above Upper Gallup to TD. Mudoggers will call TD.

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

WELL DETAILS: Johnston A Com 7
GL 6754' & KB 15' @ 6769.0ft (AWS 711)
Ground Level: 6754 0

Northing 1980853 70 Easting 134246.21 Latitude 36° 26' 15.333 N Longitude 107° 29' 36.278 W

↑ M
Azimuths to True North
Magnetic North 9 66°
Magnetic Field
Strength: 50490 Bsn
Dip Angle: 63.23°
Date: 2012/03/08
Model: BGGM2011



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	400 0	0 00	0 00	400 0	0 0	0 0	0 00	0 00	0 0	
3	800 0	4 00	130 00	799 7	-9 0	10 7	1 00	130 00	14 0	
4	3400 0	4 00	130 00	3393 3	-125 6	149 6	0 00	0 00	195 3	
5	3800 0	0 00	130 00	3793 0	-134 5	160 3	1 00	180 00	209 3	
6	4611 0	0 00	130 00	4604 0	-134 5	160 3	0 00	130 00	209 3	Johnston A Com 7 ICP
7	7376.0	0 00	130 00	7369 0	-134 5	160 3	0 00	0 00	209 3	Johnston A Com 7 PCP

Date: 8:59, March 08 2012

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Johnston A Com 7, True North
Vertical (TVD) Reference: GL 6754' & KB 15' @ 6769.0ft (AWS 711)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6754' & KB 15' @ 6769.0ft (AWS 711)
Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM Central)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level



ConocoPhillips

SJB (NM Central)
SEC 32-T26N-T6W
Johnston A Com 7

OH

Plan: Plan 1

Standard Planning Report

08 March, 2012



Scientific Drilling

Database:	EDM 2003-21 Single User Db	Local Co-ordinate Reference:	Well Johnston A Com 7
Company:	ConocoPhillips	TVD Reference:	GL 6754' & KB 15' @ 6769 0ft (AWS 711)
Project:	SJB (NM Central)	MD Reference:	GL 6754' & KB 15' @ 6769 0ft (AWS 711)
Site:	SEC 32 T26N T6W	North Reference:	True
Well:	Johnston A Com 7	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	SJB (NM Central) New Mexico S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site		SEC 32-T26N-T6W			
Site Position:		Northing:	1,980,853 70 ft	Latitude:	36° 26' 15 333 N
From:	Lat/Long	Easting:	134,246.21 ft	Longitude:	107° 29' 36 278 W
Position Uncertainty:	0 0 ft	Slot Radius:	"	Grid Convergence:	-0 74 °

Well	Johnston A Com-7, 885' FSL-1678' FWL					
Well Position	+N/-S	0 0 ft	Northing:	1,980,853 70 ft	Latitude:	36° 26' 15.333 N
	+E/-W	0 0 ft	Easting:	134,246 21 ft	Longitude:	107° 29' 36 278 W
Position Uncertainty		0 0 ft	Wellhead Elevation:	ft	Ground Level:	6,754 0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	2012/03/08	9 66	63 23	50,491

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0 0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0 0	0 0	0 0	130 00

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	
400 0	0 00	0 00	400 0	0 0	0 0	0 00	0 00	0 00	0 00	
800 0	4 00	130 00	799 7	-9 0	10 7	1 00	1 00	0 00	130 00	
3,400 0	4 00	130 00	3,393 3	-125 6	149 6	0 00	0 00	0 00	0 00	
3,800 0	0 00	130 00	3,793 0	-134 5	160 3	1 00	-1 00	0 00	180 00	
4,611 0	0 00	130 00	4,604 0	-134 5	160 3	0 00	0 00	0 00	130 00	Johnston A Com 7 IC
7,376 0	0 00	130 00	7,369 0	-134 5	160 3	0 00	0 00	0 00	0 00	Johnston A Com 7 PC

Database:	EDM-2003.21.Single User.Db	Local Co-ordinate Reference:	Well Johnston A Com 7
Company:	ConocoPhillips	TVD Reference:	GL 6754' & KB 15' @ 6769.0ft (AWS 7.11)
Project:	SJB (NM Central)	MD Reference:	GL 6754' & KB 15' @ 6769.0ft (AWS 7.11)
Site:	SEC 32-T26N-T6W	North Reference:	True
Well:	Johnston A Com 7	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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	
Surface Casing										
300 0	0 00	0 00	300 0	0 0	0 0	0 0	0 00	0 00	0 00	
400 0	0 00	0 00	400 0	0 0	0 0	0 0	0 00	0 00	0 00	
500 0	1 00	130.00	500 0	-0 6	0 7	0 9	1 00	1 00	0 00	
600 0	2 00	130.00	600 0	-2 2	2 7	3 5	1 00	1 00	0 00	
700 0	3 00	130.00	699 9	-5 0	6 0	7 9	1 00	1 00	0 00	
800 0	4 00	130.00	799 7	-9 0	10 7	14 0	1 00	1 00	0 00	
900 0	4 00	130.00	899.4	-13 5	16 0	20 9	0 00	0 00	0 00	
1,000 0	4 00	130.00	999 2	-17 9	21 4	27 9	0 00	0 00	0 00	
1,044 9	4 00	130.00	1,044 0	-20 0	23 8	31 0	0 00	0 00	0 00	
Nacimiento										
1,100 0	4 00	130.00	1,098 9	-22 4	26 7	34 9	0 00	0 00	0 00	
1,200 0	4 00	130.00	1,198 7	-26 9	32.1	41 9	0 00	0 00	0 00	
1,300 0	4 00	130.00	1,298 5	-31 4	37 4	48 8	0 00	0 00	0 00	
1,400 0	4 00	130.00	1,398 2	-35 9	42 8	55 8	0 00	0 00	0 00	
1,500 0	4 00	130.00	1,498 0	-40 4	48 1	62 8	0 00	0 00	0 00	
1,600 0	4 00	130.00	1,597.7	-44 8	53.4	69.8	0 00	0 00	0 00	
1,700 0	4 00	130.00	1,697 5	-49 3	58.8	76 7	0 00	0 00	0 00	
1,800 0	4 00	130.00	1,797.2	-53 8	64 1	83 7	0 00	0 00	0 00	
1,900 0	4 00	130.00	1,897 0	-58 3	69.5	90 7	0 00	0 00	0 00	
2,000 0	4 00	130.00	1,996 8	-62 8	74 8	97 7	0 00	0 00	0 00	
2,100 0	4 00	130.00	2,096 5	-67 3	80 2	104 6	0 00	0 00	0 00	
2,192 7	4 00	130.00	2,189 0	-71 4	85 1	111 1	0 00	0 00	0 00	
Ojo Alamo										
2,200 0	4 00	130.00	2,196 3	-71 7	85 5	111 6	0 00	0 00	0 00	
2,300 0	4 00	130.00	2,296 0	-76 2	90 8	118 6	0 00	0 00	0 00	
2,367.1	4 00	130.00	2,363 0	-79.2	94.4	123 3	0 00	0 00	0 00	
Kirtland										
2,400 0	4 00	130.00	2,395 8	-80 7	96.2	125.6	0 00	0 00	0 00	
2,450 3	4 00	130.00	2,446 0	-83 0	98 9	129 1	0 00	0 00	0 00	
Fruitland										
2,500 0	4 00	130.00	2,495 5	-85 2	101 5	132 5	0 00	0 00	0 00	
2,600 0	4 00	130.00	2,595 3	-89 7	106 9	139 5	0 00	0 00	0 00	
2,700 0	4 00	130.00	2,695 0	-94 2	112 2	146 5	0 00	0 00	0 00	
2,800 0	4 00	130.00	2,794 8	-98 6	117 6	153 5	0 00	0 00	0 00	
2,854 3	4 00	130.00	2,849 0	-101 1	120 5	157 3	0 00	0 00	0 00	
Pictured Cliffs										
2,900 0	4 00	130.00	2,894 6	-103 1	122 9	160 4	0 00	0 00	0 00	
2,930 5	4 00	130.00	2,925 0	-104 5	124 5	162 6	0 00	0 00	0 00	
Lewis										
3,000 0	4 00	130.00	2,994 3	-107 6	128 3	167.4	0 00	0 00	0 00	
3,100 0	4 00	130.00	3,094 1	-112 1	133 6	174 4	0 00	0 00	0 00	
3,200 0	4 00	130.00	3,193 8	-116 6	138 9	181 4	0 00	0 00	0 00	
3,259 3	4 00	130.00	3,253 0	-119 2	142 1	185 5	0 00	0 00	0 00	
Huerfano Bentonite										
3,300 0	4 00	130.00	3,293 6	-121 1	144 3	188 3	0 00	0 00	0 00	
3,400 0	4 00	130.00	3,393 3	-125 6	149 6	195.3	0 00	0 00	0 00	
3,500 0	3 00	130.00	3,493 2	-129 5	154 3	201 4	1 00	-1 00	0 00	
3,600 0	2 00	130.00	3,593 1	-132 3	157 6	205 8	1 00	-1 00	0 00	
3,700 0	1 00	130.00	3,693 0	-134 0	159 6	208 4	1 00	-1 00	0 00	

Database:	EDM/2003 21 Single User Db	Local Co-ordinate Reference:	Well: Johnston A Com 7
Company:	ConocoPhillips	TVD Reference:	GL 6754' & KB 15' @ 6769 0ft (AWS 711)
Project:	SJB (NM Central)	MD Reference:	GL 6754' & KB 15' @ 6769 0ft (AWS 711)
Site:	SEC 32-T26N-T6W	North Reference:	True
Well:	Johnston A Com 7	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)
3,722 0	0 78	130 00	3,715 0	-134 2	159 9	208 7	1 00	-1 00	0 00
Chacara									
3,800 0	0 00	130 00	3,793 0	-134 5	160 3	209 3	1 00	-1 00	0 00
3,900 0	0 00	130 00	3,893 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,000 0	0 00	130 00	3,993 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,100 0	0 00	130 00	4,093 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,200 0	0 00	130 00	4,193 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,300 0	0 00	130 00	4,293 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,400 0	0 00	130 00	4,393 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,474 0	0 00	130 00	4,467 0	-134 5	160 3	209 3	0 00	0 00	0 00
Massive Cliff House									
4,500 0	0 00	130 00	4,493 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,511 0	0 00	130 00	4,504 0	-134 5	160 3	209 3	0 00	0 00	0 00
Menefee									
4,600 0	0 00	130 00	4,593 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,611 0	0 00	130 00	4,604 0	-134 5	160 3	209 3	0 00	0 00	0 00
Intermediate Casing									
4,700 0	0 00	130 00	4,693 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,800 0	0 00	130 00	4,793 0	-134 5	160 3	209 3	0 00	0 00	0 00
4,900 0	0 00	130 00	4,893 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,000 0	0 00	130 00	4,993 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,074 0	0 00	130 00	5,067 0	-134 5	160 3	209 3	0 00	0 00	0 00
Point Lookout									
5,100 0	0 00	130 00	5,093 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,200 0	0 00	130 00	5,193 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,300 0	0 00	130 00	5,293 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,400 0	0 00	130 00	5,393 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,416 0	0 00	130 00	5,409 0	-134 5	160 3	209 3	0 00	0 00	0 00
Mancos									
5,500 0	0 00	130 00	5,493 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,600 0	0 00	130 00	5,593 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,700 0	0 00	130 00	5,693 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,800 0	0 00	130 00	5,793 0	-134 5	160 3	209 3	0 00	0 00	0 00
5,900 0	0 00	130 00	5,893 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,000 0	0 00	130 00	5,993 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,100 0	0 00	130 00	6,093 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,166 0	0 00	130 00	6,159 0	-134 5	160 3	209 3	0 00	0 00	0 00
Upper Gallup									
6,200 0	0 00	130 00	6,193 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,300 0	0 00	130 00	6,293 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,400 0	0 00	130 00	6,393 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,500 0	0 00	130 00	6,493 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,600 0	0 00	130 00	6,593 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,700 0	0 00	130 00	6,693 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,800 0	0 00	130 00	6,793 0	-134 5	160 3	209 3	0 00	0 00	0 00
6,900 0	0 00	130 00	6,893 0	-134 5	160 3	209 3	0 00	0 00	0 00
7,000 0	0 00	130 00	6,993 0	-134 5	160 3	209 3	0 00	0 00	0 00
7,049 0	0 00	130 00	7,042 0	-134 5	160 3	209 3	0 00	0 00	0 00
Greenhorn									
7,100 0	0 00	130 00	7,093 0	-134 5	160 3	209 3	0 00	0 00	0 00
7,106 0	0 00	130 00	7,099 0	-134 5	160 3	209 3	0 00	0 00	0 00
Graneros									
7,158 0	0 00	130 00	7,151 0	-134 5	160 3	209 3	0 00	0 00	0 00

Database:	EDM:2003 21 Single User Db	Local Co-ordinate Reference:	Well Johnston A Com 7
Company:	ConocoPhillips	TVD Reference:	GL 6754' & KB 15' @ 6769 0ft (AWS 7.1.1)
Project:	SJB (NM Central)	MD Reference:	GL 6754' & KB 15' @ 6769 0ft (AWS 7.1.1)
Site:	SEC 32 T26N T6W	North Reference:	True
Well:	Johnston A Com 7	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)
Two Wells									
7,200 0	0 00	130 00	7,193 0	-134 5	160 3	209 3	0 00	0 00	0 00
Paguate									
7,246 0	0 00	130 00	7,239 0	-134 5	160 3	209 3	0 00	0 00	0 00
Upper Cubero									
7,274 0	0 00	130 00	7,267 0	-134 5	160 3	209 3	0 00	0 00	0 00
Lower Cubero									
7,300 0	0 00	130 00	7,293 0	-134 5	160 3	209 3	0 00	0 00	0 00
7,312 0	0 00	130 00	7,305 0	-134 5	160 3	209 3	0 00	0 00	0 00
Oak Canyon									
7,346 0	0 00	130 00	7,339 0	-134 5	160 3	209 3	0 00	0 00	0 00
Encinal									
7,376 0	0 00	130 00	7,369 0	-134 5	160 3	209 3	0 00	0 00	0 00
Production Casing									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
Shape									Latitude Longitude
Johnston A Com 7 ICP	- plan hits target center	0 00	0 00	4,604 0	-134 5	160 3	1,980,717 14	134,404 77	36° 26' 14 003 N 107° 29' 34 316 W
- Point									
Johnston A Com 7 PCP	- plan hits target center	0 00	0 00	7,369 0	-134 5	160 3	1,980,717 14	134,404 77	36° 26' 14 003 N 107° 29' 34 316 W
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,376 0	7,369 0	Production Casing	4-1/2	6-1/4	
200 0	200 0	Surface Casing	9-5/8	12-1/4	
4,611 0	4,604 0	Intermediate Casing	7	8-3/4	

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Johnston A Com 7
Company:	ConocoPhillips	TVD Reference:	GL 6754' & KB 15' @ 6769' 0ft (AWS 71.1)
Project:	SJB (NM Central)	MD Reference:	GL 6754' & KB 15' @ 6769' 0ft (AWS 71.1)
Site:	SEC 32-T26N-T6W	North Reference:	True
Well:	Johnston A Com 7	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,044.9	1,044.0	Nacimiento		0.00	
2,192.7	2,189.0	Ojo Alamo		0.00	
2,367.1	2,363.0	Kirtland		0.00	
2,450.3	2,446.0	Fruitland		0.00	
2,854.3	2,849.0	Pictured Cliffs		0.00	
2,930.5	2,925.0	Lewis		0.00	
3,259.3	3,253.0	Huerfano Bentonite		0.00	
3,722.0	3,715.0	Chacra		0.00	
4,474.0	4,467.0	Massive Cliff House		0.00	
4,511.0	4,504.0	Menefee		0.00	
5,074.0	5,067.0	Point Lookout		0.00	
5,416.0	5,409.0	Mancos		0.00	
6,166.0	6,159.0	Upper Gallup		0.00	
7,049.0	7,042.0	Greenhorn		0.00	
7,106.0	7,099.0	Graneros		0.00	
7,158.0	7,151.0	Two Wells		0.00	
7,200.0	7,193.0	Paguate		0.00	
7,246.0	7,239.0	Upper Cubero		0.00	
7,274.0	7,267.0	Lower Cubero		0.00	
7,312.0	7,305.0	Oak Canyon		0.00	
7,346.0	7,339.0	Encinal		0.00	