

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OIL CONS. DIV.

DIST. 3

Sundry Notices and Reports on Wells

JAN 25 2012

Farmington Field Office
Bureau of Land Management

Lease Number

NM-019410

1. Type of Well
GAS

6. If Indian, All. or
Tribe Name

2. Name of Operator



7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number
BRUINGTON 15G

4. Location of Well, Footage, Sec., T, R, M

Surface: Unit L (NW/SW), 1795' FSL & 905' FWL, Section 15, T30N, R11W, NMPM

9. API Well No.

30-045-35115

10. Field and Pool

BASIN DK / BLANCO MV

11. County and State
San Juan, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Other - ☐ Nudge Well

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Plugging

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Final Abandonment

☐ Altering Casing

☐ Conversion to Injection



H₂S POTENTIAL EXIST

13. Describe Proposed or Completed Operations

This well is twinned with an existing well and plans are to use directional tools to nudge away from the existing well's wellbore to avoid collision issues. Upon completion of the well, ConocoPhillips 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.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct.

Signed

Marie E. Jaramillo

Title Staff Regulatory Technician

Date 01/24/12

(This space for Federal or State Office use)

APPROVED BY Troy L. Salvers

Title Petroleum Engineer

Date 1/27/2012

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

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

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCDA

PC



ConocoPhillips

**SJB (NM West)
SEC 15-T30N-R11W
Bruington 15G**

OH

Plan: Plan 3

Standard Planning Report

26 January, 2012



Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Brington 15G
Company:	ConocoPhillips	TVD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Project:	SJB (NM West)	MD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Site:	SEC 15-T30N-R11W	North Reference:	True
Well:	Brington 15G	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

Project	SJB (NM West), San Juan County, 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 West 3003		Using geodetic scale factor

Site		SEC 15-T30N-R11W			
Site Position:		Northing:	2,115,948 17 ft	Latitude:	36° 48' 53 952 N
From:	Lat/Long	Easting:	456,737 26 ft	Longitude:	107° 58' 52 062 W
Position Uncertainty:	15 0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0 09 °

Well	Brington 15G					
Well Position	+N/-S	-1,813 7 ft	Northing:	2,114,135 97 ft	Latitude:	36° 48' 36 018 N
	+E/-W	-883 1 ft	Easting:	455,851 35 ft	Longitude:	107° 59' 2 922 W
Position Uncertainty		0 0 ft	Wellhead Elevation:	ft	Ground Level:	5,813 0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	01/23/12	9 92	63 47	50,660

Design	Plan 3			
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	270 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	
600 0	4 00	270 00	599 8	0 0	-7 0	2 00	2 00	0 00	270 00	
1,400 0	4 00	270 00	1,397 9	0 0	-62 8	0 00	0 00	0 00	0 00	
1,800 0	0 00	0 00	1,797 6	0 0	-76 7	1 00	-1 00	0 00	180 00	
4,160 4	0 00	0 00	4,158 0	0 0	-76 7	0 00	0 00	0 00	0 00	Brington 15G ICP
6,853 4	0 00	0 00	6,851 0	0 0	-76 7	0 00	0 00	0 00	0 00	Brington 15G PCP

Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Brungton 15G
Company:	ConocoPhillips	TVD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Project:	SJB (NM West)	MD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Site:	SEC 15-T30N-R11W	North Reference:	True
Well:	Brungton 15G	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

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
Surface Casing									
400 0	0 00	0 00	400 0	0 0	0 0	0 0	0 00	0 00	0 00
500 0	2 00	270 00	500 0	0 0	-1 7	1 7	2 00	2 00	0 00
600 0	4 00	270 00	599 8	0 0	-7 0	7 0	2 00	2 00	0 00
700 0	4 00	270 00	699 6	0 0	-14 0	14 0	0 00	0 00	0 00
800 0	4 00	270 00	799 4	0 0	-20 9	20 9	0 00	0 00	0 00
832 7	4 00	270 00	832 0	0 0	-23 2	23 2	0 00	0 00	0 00
Ojo Alamo									
900 0	4 00	270 00	899 1	0 0	-27 9	27 9	0 00	0 00	0 00
942 0	4 00	270 00	941 0	0 0	-30 8	30 8	0 00	0 00	0 00
Kirtland									
1,000 0	4 00	270 00	998 9	0 0	-34 9	34 9	0 00	0 00	0 00
1,100 0	4 00	270 00	1,098 6	0 0	-41 9	41 9	0 00	0 00	0 00
1,200 0	4 00	270 00	1,198 4	0 0	-48 8	48 8	0 00	0 00	0 00
1,300 0	4 00	270 00	1,298 1	0 0	-55 8	55 8	0 00	0 00	0 00
1,400 0	4 00	270 00	1,397 9	0 0	-62 8	62 8	0 00	0 00	0 00
1,500 0	3 00	270 00	1,497 7	0 0	-68 9	68 9	1 00	-1 00	0 00
1,600 0	2 00	270 00	1,597 6	0 0	-73 3	73 3	1 00	-1 00	0 00
1,629 4	1 71	270 00	1,627 0	0 0	-74 2	74 2	1 00	-1 00	0 00
Fruitland									
1,700 0	1 00	270 00	1,697 6	0 0	-75 9	75 9	1 00	-1 00	0 00
1,800 0	0 00	0 00	1,797 6	0 0	-76 7	76 7	1 00	-1 00	0 00
1,900 0	0 00	0 00	1,897 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,000 0	0 00	0 00	1,997 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,100 0	0 00	0 00	2,097 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,200 0	0 00	0 00	2,197 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,238 4	0 00	0 00	2,236 0	0 0	-76 7	76 7	0 00	0 00	0 00
Pictured Cliffs									
2,300 0	0 00	0 00	2,297 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,400 0	0 00	0 00	2,397 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,408 4	0 00	0 00	2,406 0	0 0	-76 7	76 7	0 00	0 00	0 00
Lewis									
2,500 0	0 00	0 00	2,497 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,600 0	0 00	0 00	2,597 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,700 0	0 00	0 00	2,697 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,800 0	0 00	0 00	2,797 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,900 0	0 00	0 00	2,897 6	0 0	-76 7	76 7	0 00	0 00	0 00
2,983 4	0 00	0 00	2,981 0	0 0	-76 7	76 7	0 00	0 00	0 00
Huerfano Bentonite									
3,000 0	0 00	0 00	2,997 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,100 0	0 00	0 00	3,097 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,200 0	0 00	0 00	3,197 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,254 4	0 00	0 00	3,252 0	0 0	-76 7	76 7	0 00	0 00	0 00
Chacra									
3,300 0	0 00	0 00	3,297 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,400 0	0 00	0 00	3,397 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,500 0	0 00	0 00	3,497 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,600 0	0 00	0 00	3,597 6	0 0	-76 7	76 7	0 00	0 00	0 00

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Project:	SJB (NM West)	MD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Site:	SEC 15-T30N-R11W	North Reference:	True
Well:	Bruington 15G	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

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)
3,700 0	0 00	0 00	3,697 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,800 0	0 00	0 00	3,797 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,900 0	0 00	0 00	3,897 6	0 0	-76 7	76 7	0 00	0 00	0 00
3,935 4	0 00	0 00	3,933 0	0 0	-76 7	76 7	0 00	0 00	0 00
Massive Cliff House									
4,000 0	0 00	0 00	3,997 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,010 4	0 00	0 00	4,008 0	0 0	-76 7	76 7	0 00	0 00	0 00
Menefee									
4,100 0	0 00	0 00	4,097 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,160 4	0 00	0 00	4,158 0	0 0	-76 7	76 7	0 00	0 00	0 00
Intermediate Casing									
4,200 0	0 00	0 00	4,197 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,300 0	0 00	0 00	4,297 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,400 0	0 00	0 00	4,397 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,500 0	0 00	0 00	4,497 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,512 4	0 00	0 00	4,510 0	0 0	-76 7	76 7	0 00	0 00	0 00
Point Lookout									
4,600 0	0 00	0 00	4,597 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,700 0	0 00	0 00	4,697 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,800 0	0 00	0 00	4,797 6	0 0	-76 7	76 7	0 00	0 00	0 00
4,881 4	0 00	0 00	4,879 0	0 0	-76 7	76 7	0 00	0 00	0 00
Mancos									
4,900 0	0 00	0 00	4,897 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,000 0	0 00	0 00	4,997 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,100 0	0 00	0 00	5,097 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,200 0	0 00	0 00	5,197 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,300 0	0 00	0 00	5,297 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,400 0	0 00	0 00	5,397 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,500 0	0 00	0 00	5,497 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,600 0	0 00	0 00	5,597 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,700 0	0 00	0 00	5,697 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,800 0	0 00	0 00	5,797 6	0 0	-76 7	76 7	0 00	0 00	0 00
5,858 4	0 00	0 00	5,856 0	0 0	-76 7	76 7	0 00	0 00	0 00
Upper Gallup									
5,900 0	0 00	0 00	5,897 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,000 0	0 00	0 00	5,997 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,100 0	0 00	0 00	6,097 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,200 0	0 00	0 00	6,197 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,300 0	0 00	0 00	6,297 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,400 0	0 00	0 00	6,397 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,500 0	0 00	0 00	6,497 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,546 4	0 00	0 00	6,544 0	0 0	-76 7	76 7	0 00	0 00	0 00
Greenhorn									
6,597 4	0 00	0 00	6,595 0	0 0	-76 7	76 7	0 00	0 00	0 00
Graneros									
6,600 0	0 00	0 00	6,597 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,656 4	0 00	0 00	6,654 0	0 0	-76 7	76 7	0 00	0 00	0 00
Two Wells									
6,700 0	0 00	0 00	6,697 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,733 4	0 00	0 00	6,731 0	0 0	-76 7	76 7	0 00	0 00	0 00
Paguate									
6,773 4	0 00	0 00	6,771 0	0 0	-76 7	76 7	0 00	0 00	0 00
Lower Cubero									

Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Bruington 15G
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Project:	SJB (NM West)	MD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Site:	SEC 15-T30N-R11W	North Reference:	True
Well:	Bruington 15G	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

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)
6,800 0	0 00	0 00	6,797 6	0 0	-76 7	76 7	0 00	0 00	0 00
6,823 4	0 00	0 00	6,821 0	0 0	-76 7	76 7	0 00	0 00	0 00
Encinal									
6,853 4	0 00	0 00	6,851 0	0 0	-76 7	76 7	0 00	0 00	0 00
Production Casing									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Bruington 15G ICP	0 00	0 00	4,158 0	0 0	-76 7	2,114,136 09	455,774 66	36° 48' 36 018 N	107° 59' 3 865 W
- plan hits target center									
- Point									
Bruington 15G PCP	0 00	0 00	6,851 0	0 0	-76 7	2,114,136 09	455,774 66	36° 48' 36 018 N	107° 59' 3 865 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
4,160 4	4,158 0	Intermediate Casing	7	8-3/4	
6,853 4	6,851 0	Production Casing	4-1/2	6-1/4	
320 0	320 0	Surface Casing	9-5/8	12-1/4	

Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Bruington 15G
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Project:	SJB (NM West)	MD Reference:	GL 5813' & KB 15' @ 5828 0ft (AWS 673)
Site:	SEC 15-T30N-R11W	North Reference:	True
Well:	Bruington 15G	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 3		

Formations

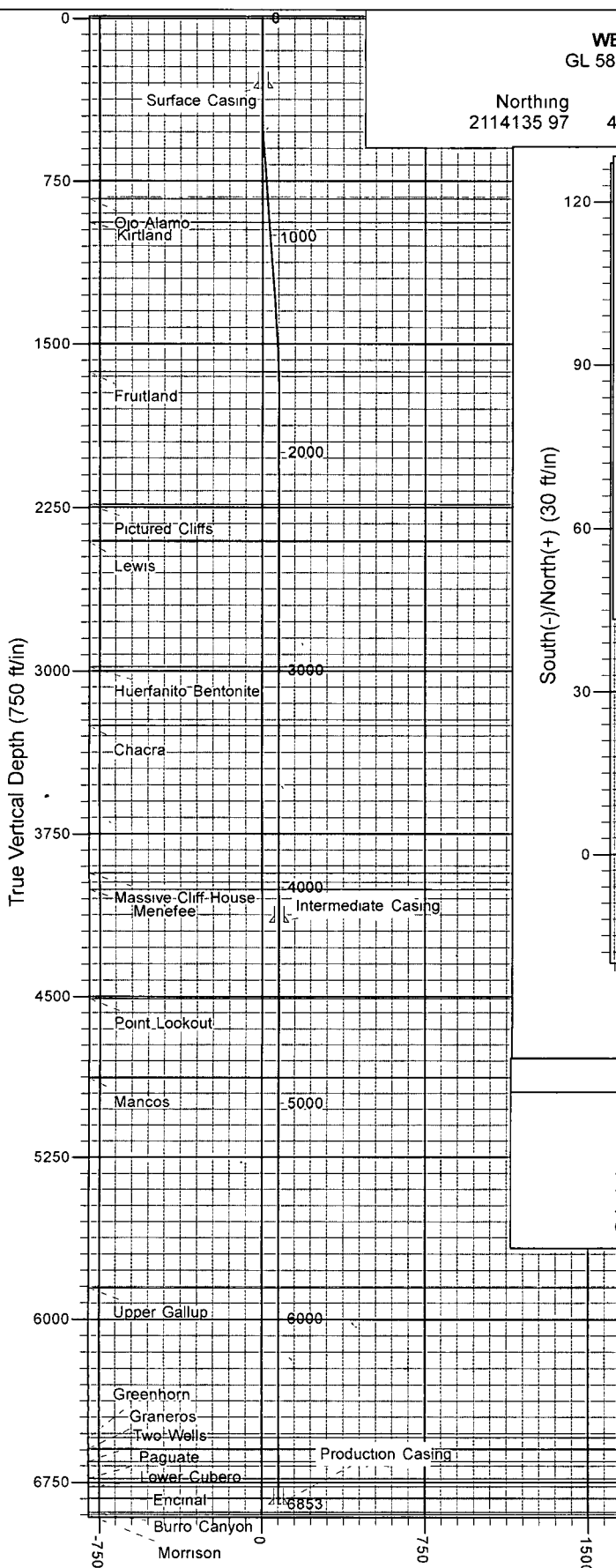
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
832 7	832 0	Ojo Alamo		0 00	
942 0	941 0	Kirtland		0 00	
1,629 4	1,627 0	Fruitland		0 00	
2,238 4	2,236 0	Pictured Cliffs		0 00	
2,408 4	2,406 0	Lewis		0 00	
2,983 4	2,981 0	Huerfano Bentonite		0 00	
3,254 4	3,252 0	Chacra		0 00	
3,935 4	3,933 0	Massive Cliff House		0 00	
4,010 4	4,008 0	Menefee		0 00	
4,512 4	4,510 0	Point Lookout		0 00	
4,881 4	4,879 0	Mancos		0 00	
5,858 4	5,856 0	Upper Gallup		0 00	
6,546 4	6,544 0	Greenhorn		0 00	
6,597 4	6,595 0	Graneros		0 00	
6,656 4	6,654 0	Two Wells		0 00	
6,733 4	6,731 0	Paguate		0 00	
6,773 4	6,771 0	Lower Cubero		0 00	
6,823 4	6,821 0	Encinal		0 00	
	6,888 0	Burro Canyon		0 00	
	6,898 0	Morrison		0 00	



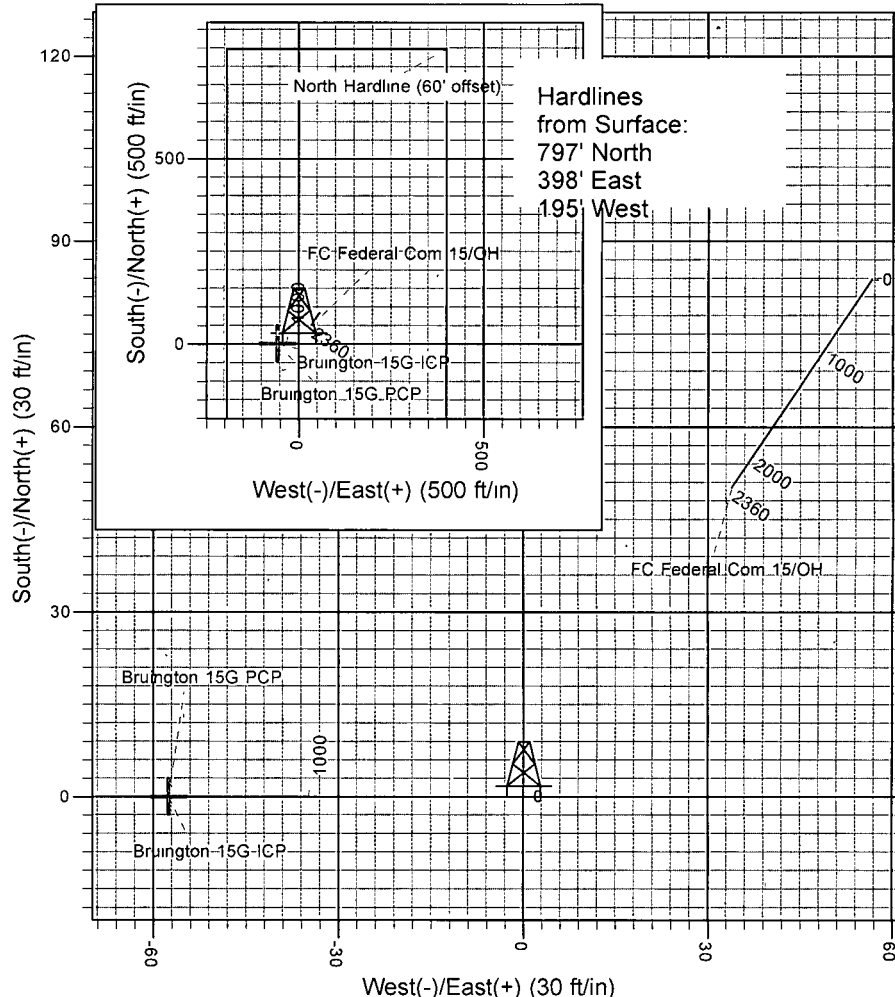
Azimuths to True North
Magnetic North 9 92
Magnetic Field
Strength 50660.0snT
Dip Angle 63.47
Date 01/23/2012
Model BGGM2011

WELL DETAILS: Bruington 15G
GL 5813' & KB 15' @ 5828.0ft (AWS 673)
Ground Level: 5813.0

Northing 2114135.97 Easting 455851.35 Latitude 36° 48' 36.018 N Longitude 107° 59' 2.922 W



Vertical Section at 270.00° (750 ft/in)



Hardlines
from Surface:
797' North
398' East
195' West

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
600.0	4.00	270.00	599.8	0.0	-7.0	2.00	270.00	7.0	
1400.0	4.00	270.00	1397.9	0.0	-62.8	0.00	0.00	62.8	
1800.0	0.00	0.00	1797.6	0.0	-76.7	1.00	180.00	76.7	
4160.4	0.00	0.00	4158.0	0.0	-76.7	0.00	0.00	76.7	Bruington 15G ICP
6853.4	0.00	0.00	6851.0	0.0	-76.7	0.00	0.00	76.7	Bruington 15G PCP

Date: 8 19, January 26 2012

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Bruington 15G, True North
Vertical (TVD) Reference: GL 5813' & KB 15' @ 5828.0ft (AWS 673)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 5813' & KB 15' @ 5828.0ft (AWS 673)
Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM West)

Geodetic System US State Plane 1927 (Exact solution)
Datum NAD 1927 (NADCON CONUS)
Ellipsoid Clarke 1866
Zone: New Mexico West 3003
System Datum Mean Sea Level