submitted in lieu of Form 3160-5

RECEIVED

JUN 13 2011

Farmington Field Office
Bureau of Land Management

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
   GAS

2. **Name of Operator**
   ConocoPhillips

3. **Address & Phone No. of Operator**
   PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
   Surface: Unit G (SWNE), 2140' FNL & 2305' FEL, Section 21, T32N, R6W, NMPM
   BHL : Unit A (NENE), 710' FNL & 710' FEL, Section 16, T32N, R6W, NMPM

5. **Lease Number**
   E-504-15
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
   San Juan 32-5 Unit
8. **Well Name & Number**
   San Juan 32-5 Unit 118H
9. **API Well No.**
   30-045-35292
10. **Field and Pool**
    Basin Fruitland Coal
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			
X Notice of Intent	___ Abandonment	___ Change of Plans	X Other –	Surface Disturbance
	___ Recompletion	___ New Construction		
___ Subsequent Report	___ Plugging	___ Non-Routine Fracturing		
	___ Casing Repair	___ Water Shut off		
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection		

RCVD SEP 6 '11
OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

ConocoPhillips requests permission to build and utilize the pad for subject well which is located on Federal Lands. The APD will be applied for with the State NMOCD office since the mineral jurisdiction is State. Attached please find the Plat (C102), topo map, pipeline plat, surface use plan, well pad diagram, cut/fill diagram, access road plat and driving directions. Also included is the project proposal and directional drill plan/plot to help show that plans are to only complete from the State lease at a legal setback on this well. The arch report and EA have been submitted to the BLM and the onsite inspection was completed by Roger Herrera on 4/20/11.

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

Signed Dollie L. Busse Dollie L. Busse Title Staff Regulatory Technician Date 6/2/11

(This space for Federal or State Office use)
APPROVED BY Bill Liess Title Branch Chief Date 9/6/11
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

NMOCD

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 July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-35292	71629	Basin FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
38677	SAN JUAN 32-5 UNIT	118H

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	CONOCOPHILLIPS COMPANY	6385'

[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
G	21	32-N	6-W		2140	NORTH	2305	EAST	SAN JUAN

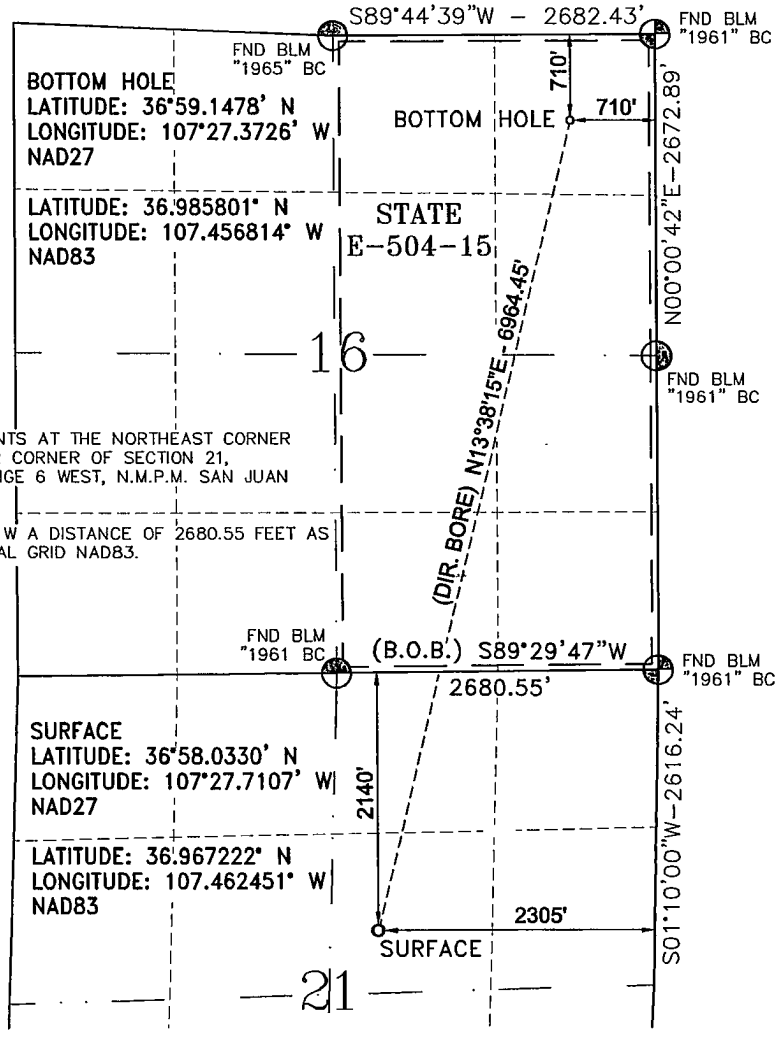
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	32-N	6-W		710	NORTH	710	EAST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
FC 320.00 ACRES E/2			

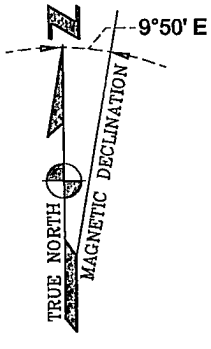
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



BASIS OF BEARING:
BETWEEN FOUND MONUMENTS AT THE NORTHEAST CORNER AND THE NORTH QUARTER CORNER OF SECTION 21, TOWNSHIP 32 NORTH, RANGE 6 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO.

LINE BEARS: S 89°29'47" W A DISTANCE OF 2680.55 FEET AS MEASURED BY G.P.S. LOCAL GRID NAD83.



[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 3-7-11
Signature Date

Brandie Blakley
Printed Name

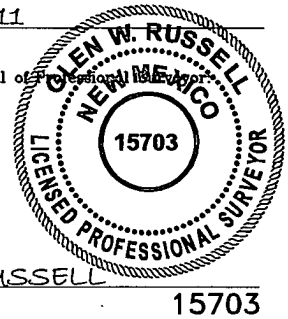
blaklbn@conocophillips.com
E-mail Address

[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.

March 3, 2011
Date of Survey

Signature and Seal of Professional Surveyor:



GLEN W. RUSSELL
Certificate Number 15703

ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-5 UNIT 118H **DEVELOPMENT**

Lease:		AFE #: WAN.CDR.0149		AFE $: 0.00
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
R20001	FRUITLAND COAL(R20001)

Location: Surface	Datum Code: NAD 27				**Horizontal**
Latitude: 36.967217	Longitude: -107.461846	X:	Y:	Section: 021	Range: 006W
Footage X: 2305 FEL	Footage Y: 2140 FNL	Elevation: 6385 (FT)	Township: 032N		
Tolerance:					
Location: Bottom Hole	Datum Code: NAD 27				**Horizontal**
Latitude: 36.985796	Longitude: -107.456209	X:	Y:	Section: 016	Range: 006W
Footage X: 710 FEL	Footage Y: 710 FNL	Elevation: (FT)	Township: 032N		
Tolerance:					

Location Type: Restricted Start Date (Est.): 1/1/2011 Completion Date: Date In Operation:

Formation Data: Assume KB = 6400 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6200		☐			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 94 cuft. Circulated Cmt to surface.
NACIMIENTO	773	5627		☐			
OJO ALAMO	2223	4177		☐			
KIRTLAND	2323	4077		☐			
FRUITLAND	2728	3672		☐			
PATH AT BH LATERAL	2944	3456		☐			
PATH 6500' F/SHL LATERAL	2946	3454		☐			
PATH 6000' F/SHL LATERAL	2951	3450		☐			
PATH 5500' F/SHL LATERAL	2956	3445		☐			
PATH 5000' F/SHL LATERAL	2959	3442		☐			
PATH 4500' F/SHL LATERAL	2962	3439		☐			
PATH 4000' F/SHL LATERAL	2965	3436		☐			
PATH 3500' F/SHL LATERAL	2967	3434		☐			
PATH 3000' F/SHL LATERAL	2970	3431		☐			
PATH 2500' F/SHL LATERAL	2972	3429		☐			
TOP TARGET COAL	2972	3428		☐			
Intermediate Casing	2972	3428		☐			8 3/4" hole, 7" 23# J-55 LTC CSG, Cement with 992 cu. ft. Circulate cement to surface.
PATH 2000' F/SHL LATERAL	2975	3426		☐			
PATH 1500' F/SHL LATERAL	2978	3422		☐			
PATH 1000' F/SHL LATERAL	2981	3419		☐			
PATH 500' F/SHL LATERAL	2985	3416		☐			

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ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-5 UNIT 118H **DEVELOPMENT**

otal Depth	2987	3414	☐	6-1/4" hole, 4 1/2" 11.6# J-55 Perf. Liner - No cement
ATH 100' F/SHL LATERAL	2987	3414	☐	
ASE TARGET COAL	3001	3399	☐	

Reference Wells:

Reference Type	Well Name	Comments
roduction	ALLISON UNIT-6	32N 6W 16 NW
roduction	ALLISON UNIT-100	32N 6W 16 SW NE SW
roduction	ALLISON UNIT-6N	32N 6W 16

Logging Program:

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

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

MWD - Gamma Ray from start of open hole section to TD
Mudlog from kick off point to TD

Additional Information:

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

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well SJ 32-5 #118H
Company:	ConocoPhillips SJBU	**TVD Reference:**	RKB @ 6400.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	**MD Reference:**	RKB @ 6400.0ft (AWS 730)
Site:	San Juan 32 Wells	**North Reference:**	True
Well:	SJ 32-5 #118H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Project	San Juan Basin - New Mexico West 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 West 3003		Using geodetic scale factor

Site	San Juan 32 Wells				
Site Position:		**Northing:**	2,159,823 69 ft	**Latitude:**	36° 56' 7.765 N
From:	Lat/Long	**Easting:**	546,813 37 ft	**Longitude:**	107° 40' 23 366 W
Position Uncertainty:	15.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.10 °

Well	SJ 32-5 #118H, Horizontal New Drill					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,171,546.17 ft	**Latitude:**	36° 58' 1.980 N
	+E/-W	0.0 ft	**Easting:**	608,526.53 ft	**Longitude:**	107° 27' 42.648 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	6,385 0 ft	**Ground Level:**	6,385.0 ft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	6/7/2011	9.80	63.72	50,887

Design Plan #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	13.63

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	
282.1	0.00	0.00	282.1	0 0	0.0	0.00	0.00	0.00	0.00	
4,507.4	90.00	13.63	2,972 0	2,614.2	633.9	2.13	2.13	0.00	13.63	
4,749 5	90.00	13 63	2,972.0	2,849.4	690.9	0.00	0.00	0 00	0.00	Vs Coal Entry 2932
8,782.6	90 80	13.63	2,944.0	6,768.8	1,641.3	0.02	0.02	0.00	0 00	TD Target

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well SJ 32-5 #118H
Company:	ConocoPhillips SJBU	**TVD Reference:**	RKB @ 6400.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	**MD Reference:**	RKB @ 6400.0ft (AWS 730)
Site:	San Juan 32 Wells	**North Reference:**	True
Well:	SJ 32-5 #118H	**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
Surf CSG									
282.1	0.00	0.00	282.1	0.0	0.0	0.0	0 00	0.00	0.00
300.0	0 38	13.63	300.0	0.1	0 0	0.1	2.13	2.13	0.00
Plan @ 300.0 (SJ 32-5 #118H Original Hole Plan #1)									
400.0	2.51	13 63	400.0	2.5	0 6	2.6	2 13	2.13	0.00
500.0	4 64	13.63	499.8	8 6	2.1	8.8	2.13	2.13	0.00
600 0	6.77	13.63	599.3	18.2	4.4	18.8	2.13	2.13	0.00
700 0	8.90	13.63	698 3	31.5	7.6	32.4	2.13	2.13	0 00
775.8	10.52	13.63	773.0	43 9	10.6	45.2	2.13	2.13	0.00
Nacimiento									
800.0	11.03	13.63	796 8	48.3	11.7	49.7	2 13	2.13	0.00
900.0	13.16	13.63	894.6	68.7	16.7	70.7	2.13	2.13	0.00
1,000 0	15.29	13.63	991.5	92.6	22.4	95.2	2 13	2 13	0.00
1,100 0	17.42	13.63	1,087 5	119 9	29.1	123.4	2.13	2.13	0.00
1,200.0	19.55	13 63	1,182.3	150.7	36.6	155 1	2.13	2.13	0.00
1,300.0	21 68	13.63	1,275 9	185.0	44.8	190 3	2 13	2.13	0.00
1,400.0	23.81	13.63	1,368.1	222.5	54.0	229 0	2.13	2.13	0.00
1,500.0	25.94	13.63	1,458.8	263.4	63 9	271.0	2.13	2.13	0 00
1,600 0	28 07	13.63	1,547.9	307.5	74.6	316.5	2.13	2.13	0.00
1,700 0	30.20	13.63	1,635 2	354.9	86.0	365 1	2.13	2.13	0.00
1,800.0	32.33	13.63	1,720.7	405.3	98.3	417.0	2.13	2 13	0 00
1,900.0	34.46	13.63	1,804.2	458.8	111.2	472.1	2.13	2.13	0 00
2,000.0	36.59	13.63	1,885.6	515.3	124.9	530 2	2.13	2.13	0.00
2,100.0	38.72	13 63	1,964.7	574.6	139 3	591.3	2.13	2.13	0.00
2,200 0	40 85	13.63	2,041.6	636.8	154.4	655.3	2.13	2.13	0.00
2,300.0	42.98	13.63	2,116.0	701.7	170.2	722 1	2 13	2.13	0.00
2,400.0	45.11	13.63	2,187.9	769 3	186.5	791 6	2 13	2.13	0 00
2,450.3	46.18	13.63	2,223.0	804 2	195.0	827.5	2.13	2 13	0 00
Ojo Alamo									
2,500.0	47 24	13 63	2,257.1	839.4	203.5	863.7	2.13	2.13	0.00
2,599.1	49 35	13.63	2,323.0	911.3	221.0	937.7	2.13	2.13	0.00
Kirtland									
2,600.0	49 37	13.63	2,323.6	912.0	221.1	938.4	2.13	2.13	0.00
2,700.0	51.50	13.63	2,387.3	986.9	239.3	1,015.5	2.13	2.13	0.00
2,800.0	53.63	13 63	2,448 1	1,064.1	258 0	1,094 9	2.13	2.13	0.00
2,900.0	55.76	13.63	2,505 9	1,143.4	277 2	1,176.5	2 13	2.13	0 00
3,000.0	57 89	13.63	2,560.6	1,224.7	297.0	1,260.2	2.13	2 13	0.00
3,100.0	60.02	13.63	2,612.1	1,308 0	317 2	1,345.9	2.13	2.13	0.00
3,200.0	62.15	13.63	2,660.5	1,393.0	337 8	1,433.4	2.13	2.13	0.00
3,300.0	64 28	13.63	2,705.5	1,479.8	358.8	1,522.7	2.13	2.13	0.00
3,352.8	65.41	13 63	2,728 0	1,526.3	370.1	1,570.5	2.13	2.13	0.00
Fruitland									
3,400.0	66.41	13 63	2,747 2	1,568.1	380.2	1,613.6	2.13	2.13	0.00
3,500.0	68.54	13.63	2,785.6	1,657 9	402 0	1,705 9	2.13	2.13	0.00
3,600.0	70.67	13.63	2,820.4	1,749.0	424.1	1,799.6	2.13	2 13	0.00
3,700.0	72.80	13 63	2,851 7	1,841.2	446.5	1,894.6	2.13	2.13	0.00
3,800.0	74 93	13.63	2,879.5	1,934 6	469.1	1,990.7	2.13	2.13	0.00
3,900.0	77.06	13.63	2,903.7	2,028.9	492 0	2,087.7	2 13	2.13	0.00
4,000.0	79.19	13.63	2,924.3	2,124.0	515.0	2,185.5	2.13	2 13	0 00
4,100.0	81.32	13.63	2,941 2	2,219.8	538 2	2,284.1	2.13	2.13	0.00

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well SJ 32-5 #118H
Company:	ConocoPhillips SJBU	**TVD Reference:**	RKB @ 6400.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	**MD Reference:**	RKB @ 6400 0ft (AWS 730)
Site:	San Juan 32 Wells	**North Reference:**	True
Well:	SJ 32-5 #118H	**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)
4,200.0	83.45	13 63	2,954.5	2,316.1	561 6	2,383.2	2 13	2.13	0 00
4,300.0	85.58	13.63	2,964.0	2,412 8	585.1	2,482 7	2.13	2.13	0.00
4,400.0	87.71	13 63	2,969.9	2,509 8	608.6	2,582 6	2.13	2.13	0.00
4,500.0	89.84	13.63	2,972.0	2,607.0	632.1	2,682.5	2.13	2.13	0.00
4,507.4	90.00	13 63	2,972.0	2,614.2	633.9	2,689.9	2.13	2.13	0.00
4,600.0	90.00	13.63	2,972.0	2,704.2	655.7	2,782 5	0 00	0.00	0 00
4,700.0	90.00	13.63	2,972.0	2,801.4	679.3	2,882 5	0.00	0.00	0.00
4,749.0	90 00	13.63	2,972.0	2,849.0	690.8	2,931 5	0.00	0 00	0.00
Int CSG									
4,749 5	90.00	13 63	2,972.0	2,849 4	690 9	2,932 0	0.00	0.00	0.00
Vs Coal Entry 2932									
4,800.0	90.01	13.63	2,972.0	2,898.5	702.8	2,982.5	0.02	0.02	0 00
4,817 5	90.01	13 63	2,972.0	2,915.5	707 0	3,000.0	0.02	0.02	0 00
3000 Vs									
4,900.0	90.03	13.63	2,972.0	2,995.7	726.4	3,082.5	0.02	0.02	0.00
5,000 0	90.05	13.63	2,971 9	3,092.9	750.0	3,182 5	0 02	0.02	0 00
5,100.0	90 07	13 63	2,971.8	3,190.1	773 5	3,282.5	0.02	0.02	0.00
5,200.0	90.09	13.63	2,971.7	3,287 3	797.1	3,382.5	0.02	0.02	0 00
5,300 0	90.11	13.63	2,971 5	3,384.5	820.7	3,482 5	0.02	0.02	0.00
5,317.5	90.11	13.63	2,971.4	3,401.4	824.8	3,500.0	0 02	0 02	0.00
3500 Vs									
5,400.0	90.13	13.63	2,971.3	3,481 6	844.2	3,582.5	0.02	0.02	0.00
5,500.0	90.15	13.63	2,971.0	3,578.8	867.8	3,682 5	0.02	0 02	0.00
5,600.0	90.17	13 63	2,970.8	3,676.0	891 4	3,782.5	0.02	0.02	0.00
5,700 0	90.19	13.63	2,970.4	3,773 2	914.9	3,882.5	0.02	0.02	0 00
5,800.0	90.21	13.63	2,970.1	3,870.4	938.5	3,982 5	0.02	0.02	0.00
5,817.5	90 21	13.63	2,970.0	3,887.4	942.6	4,000 0	0.02	0.02	0.00
4000 Vs									
5,900.0	90 23	13.63	2,969.7	3,967.6	962.1	4,082.5	0.02	0.02	0.00
6,000.0	90.25	13.63	2,969.3	4,064.7	985.6	4,182 5	0.02	0.02	0.00
6,100.0	90.27	13.63	2,968.9	4,161.9	1,009.2	4,282.5	0 02	0.02	0.00
6,200.0	90.29	13.63	2,968.4	4,259.1	1,032.7	4,382.5	0 02	0 02	0.00
6,300.0	90.31	13.63	2,967.9	4,356.3	1,056.3	4,482.5	0.02	0.02	0.00
6,317.5	90.31	13.63	2,967.8	4,373 3	1,060.4	4,500.0	0 02	0.02	0.00
4500 Vs									
6,400 0	90.33	13.63	2,967.3	4,453.5	1,079.9	4,582.5	0 02	0.02	0.00
6,500.0	90.35	13.63	2,966.7	4,550 7	1,103.4	4,682.5	0.02	0.02	0.00
6,600.0	90.37	13.63	2,966 1	4,647 8	1,127.0	4,782.5	0.02	0.02	0.00
6,700.0	90.38	13.63	2,965 5	4,745.0	1,150.6	4,882.5	0.02	0.02	0 00
6,800.0	90.40	13 63	2,964.8	4,842 2	1,174.1	4,982.5	0 02	0.02	0.00
6,817.5	90.41	13.63	2,964 6	4,859 2	1,178.3	5,000.0	0.02	0.02	0.00
5000 Vs									
6,900.0	90.42	13 63	2,964.0	4,939.4	1,197.7	5,082.5	0.02	0.02	0 00
7,000.0	90.44	13.63	2,963 3	5,036.6	1,221.3	5,182.5	0 02	0.02	0.00
7,100.0	90.46	13.63	2,962.5	5,133.7	1,244.8	5,282.5	0.02	0 02	0.00
7,200.0	90.48	13.63	2,961 7	5,230 9	1,268.4	5,382.5	0 02	0.02	0.00
7,300.0	90 50	13.63	2,960.8	5,328.1	1,292.0	5,482 5	0.02	0.02	0.00
7,317 5	90 51	13.63	2,960.6	5,345.1	1,296.1	5,500.0	0.02	0.02	0 00
5500 Vs									
7,400.0	90.52	13.63	2,959.9	5,425.3	1,315 5	5,582 5	0 02	0.02	0.00
7,500.0	90 54	13.63	2,959.0	5,522.5	1,339.1	5,682 5	0.02	0.02	0.00
7,600 0	90.56	13.63	2,958.0	5,619.6	1,362.6	5,782.5	0.02	0.02	0.00

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well SJ 32-5 #118H
Company:	ConocoPhillips SJBU	**TVD Reference:**	RKB @ 6400.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	**MD Reference:**	RKB @ 6400 0ft (AWS 730)
Site:	San Juan 32 Wells	**North Reference:**	True
Well:	SJ 32-5 #118H	**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)
7,700.0	90.58	13.63	2,957.0	5,716.8	1,386.2	5,882.5	0.02	0.02	0 00
7,800.0	90.60	13.63	2,956.0	5,814.0	1,409.8	5,982 5	0.02	0 02	0 00
7,817.6	90.61	13.63	2,955 8	5,831.1	1,413.9	6,000.1	0 02	0.02	0.00
6000 Vs									
7,900.0	90.62	13.63	2,954.9	5,911.2	1,433.3	6,082.5	0.02	0.02	0.00
8,000.0	90.64	13.63	2,953.8	6,008.4	1,456.9	6,182.5	0 02	0.02	0 00
8,100 0	90.66	13.63	2,952.7	6,105.5	1,480.5	6,282.5	0.02	0.02	0.00
8,200.0	90.68	13.63	2,951.5	6,202.7	1,504.0	6,382.5	0.02	0.02	0.00
8,300.0	90 70	13 63	2,950 3	6,299.9	1,527 6	6,482.4	0.02	0.02	0.00
8,317.6	90.70	13.63	2,950.1	6,317.0	1,531.7	6,500.1	0.02	0.02	0.00
6500' Vs									
8,400 0	90.72	13.63	2,949.1	6,397 1	1,551 2	6,582.4	0.02	0 02	0.00
8,500.0	90.74	13.63	2,947.8	6,494.2	1,574.7	6,682.4	0 02	0.02	0.00
8,600.0	90.76	13 63	2,946.5	6,591.4	1,598.3	6,782.4	0.02	0.02	0.00
8,700 0	90.78	13 63	2,945.1	6,688.6	1,621.8	6,882.4	0.02	0.02	0.00
8,775.0	90.79	13.63	2,944.1	6,761 5	1,639 5	6,957.4	0.02	0.02	0.00
Perforated Liner									
8,782.6	90.80	13.63	2,944.0	6,768.8	1,641.3	6,965 0	0.02	0 02	0.00
TD Target									

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well SJ 32-5 #118H
Company:	ConocoPhillips SJBU	**TVD Reference:**	RKB @ 6400.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	**MD Reference:**	RKB @ 6400.0ft (AWS 730)
Site:	San Juan 32 Wells	**North Reference:**	True
Well:	SJ 32-5 #118H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Vs Coal Entry 2932 - plan hits target center - Point	0.00	0.00	2,972 0	2,849.4	690.9	2,174,398 07	609,206.30	36° 58' 30.154 N	107° 27' 34.134 W
4000 Vs - plan misses target center by 5 0ft at 5817.5ft MD (2970.0 TVD, 3887.4 N, 942.6 E) - Point	0.00	0.00	2,965.0	3,887.4	942.6	2,175,436.89	609,453 91	36° 58' 40.417 N	107° 27' 31.032 W
3500 Vs - plan misses target center by 4.4ft at 5317.5ft MD (2971.4 TVD, 3401.4 N, 824.8 E) - Point	0.00	0.00	2,967.0	3,401.4	824.8	2,174,950.55	609,337.99	36° 58' 35.612 N	107° 27' 32.484 W
5000 Vs - plan misses target center by 5 6ft at 6817.5ft MD (2964.6 TVD, 4859.2 N, 1178.3 E) - Point	0.00	0.00	2,959.0	4,859.2	1,178 3	2,176,409.57	609,685.75	36° 58' 50.026 N	107° 27' 28.127 W
6000 Vs - plan misses target center by 4.8ft at 7817.6ft MD (2955.8 TVD, 5831.1 N, 1413.9 E) - Point	0.00	0.00	2,951.0	5,831.0	1,413.9	2,177,382 26	609,917 60	36° 58' 59.635 N	107° 27' 25 222 W
Plan @ 300 0 (SJ 32- - plan hits target center - Point			300.0	0.0	0 0	2,171,546.17	608,526.53	36° 58' 1.980 N	107° 27' 42 648 W
6500' Vs - plan misses target center by 4.1ft at 8317 6ft MD (2950.1 TVD, 6317.0 N, 1531.7 E) - Point	0.00	0 00	2,946.0	6,316 9	1,531.7	2,177,868.60	610,033.52	36° 59' 4.440 N	107° 27' 23.770 W
TD Target - plan hits target center - Circle (radius 20.0)	0.00	0 00	2,944.0	6,768.8	1,641 3	2,178,320 89	610,141 32	36° 59' 8.908 N	107° 27' 22.419 W
4500 Vs - plan misses target center by 5.8ft at 6317.5ft MD (2967.8 TVD, 4373.3 N, 1060 4 E) - Point	0 00	0.00	2,962.0	4,373.3	1,060.4	2,175,923.23	609,569.83	36° 58' 45 221 N	107° 27' 29.580 W
3000 Vs - plan misses target center by 2.0ft at 4817.5ft MD (2972.0 TVD, 2915.5 N, 707.0 E) - Point	0 00	0.00	2,970.0	2,915.5	707.0	2,174,464 21	609,222 06	36° 58' 30.808 N	107° 27' 33.936 W
5500 Vs - plan misses target center by 4.6ft at 7317.5ft MD (2960.6 TVD, 5345.1 N, 1296.1 E) - Point	0.00	0 00	2,956.0	5,345 1	1,296.1	2,176,895 91	609,801.67	36° 58' 54.830 N	107° 27' 26.675 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,749.0	2,972.0	Int CSG	7	8-3/4
8,775.0	2,944.1	Perforated Liner	4-1/2	6-1/4
200.0	200.0	Surf CSG	9-5/8	12-1/4

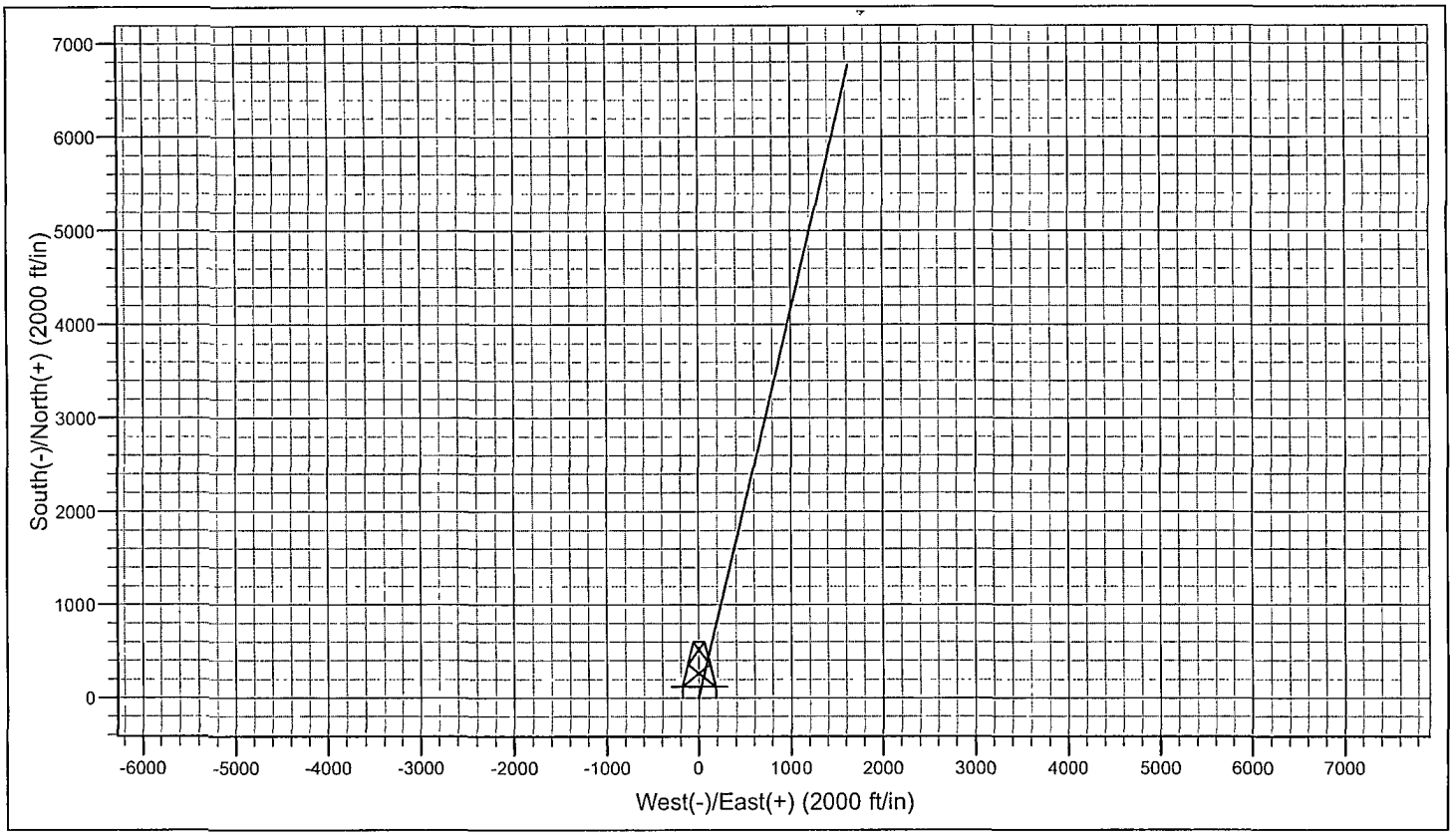
Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well SJ 32-5 #118H
Company:	ConocoPhillips SJBU	**TVD Reference:**	RKB @ 6400.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	**MD Reference:**	RKB @ 6400.0ft (AWS 730)
Site:	San Juan 32 Wells	**North Reference:**	True
Well:	SJ 32-5 #118H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

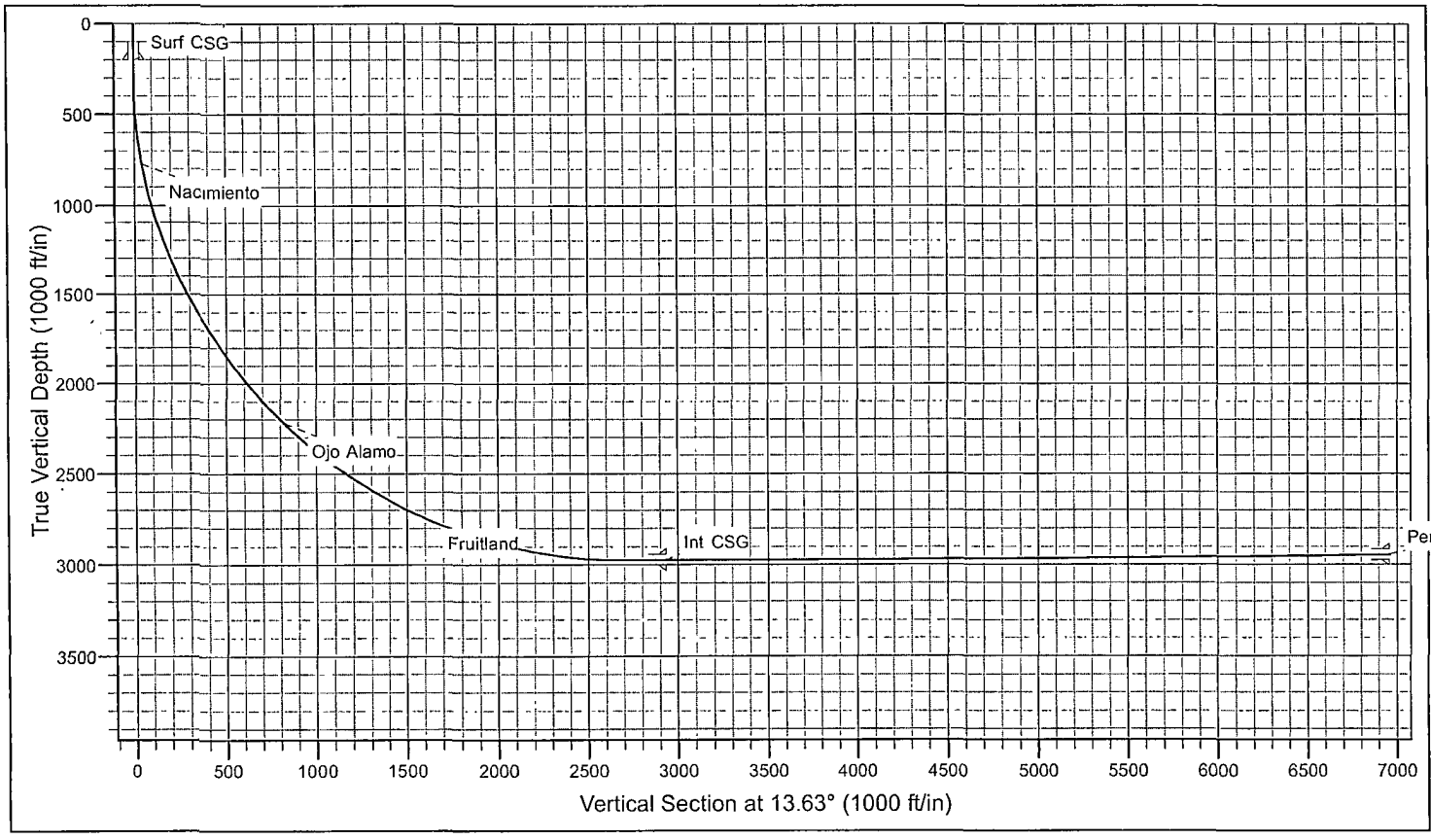
Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
775.8	773.0	Nacimiento		0.00	
3,352 8	2,728 0	Fruitland		0.00	
2,599.1	2,323.0	Kirtland		0.00	
2,450.3	2,223.0	Ojo Alamo		0 00	

ConocoPhillips SJBU

San Juan 32-5 118H





Directions from the Intersection of Hwy. 172 & Hwy 151
in Ignacio, CO
To:

CONOCOPHILLIPS COMPANY

SAN JUAN 32-5 UNIT #118H
2140' FNL & 2305' FEL,
Section 21, T32N, R6W, N.M.P.M., San Juan County,
New Mexico
Latitude: 36° 58' 01.998" N
Longitude: 107° 27' 44.822" W
Nad 83

Go East on Hwy 151 for 11.9 miles to CR 330,
turn right (southerly) for 1.9 miles,
turn right (westerly) 0.6 miles,
stay left (south/southwesterly) for 3.2 miles,
to Ulibarri Canyon turn left (southeasterly) for 1.7 miles,
turn left (westerly) for 0.1 miles,
turn left (northerly) 1.5 miles through locked gate,
turn right (easterly) for 1.4 miles,
turn left (northeasterly) 0.2 miles,
to the beginning of new access on the right (south) side of the road which continues for 157' to the newly staked location.