

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

SEP 28 2010

1a. Type of Work DRILL	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	5. Lease Number USA SF-07899 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 32-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 74B	
4. Location of Well Surf: Unit P(SESE), 811' FSL & 1269' FEL BH: Unit O(SWSE), 710' FSL & 1650' FEL Surf: Latitude: 36.923498° N (NAD83) Longitude: 107.571729° W BH: Latitude: 36.923223° N (NAD83) Longitude: 107.573032° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 4, T31N, R7W API # 30-045-35204	
14. Distance in Miles from Nearest Town 22.5 Miles from Ignacio, CO	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	17. Acres Assigned to Well 318.57	
16. Acres in Lease 320.00 2537.37	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 242.4' from San Juan 32-7 Unit 53	
19. Proposed Depth 8242'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6666' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: Brandie Blakley Brandie Blakley (Staff Regulatory Tech)	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 ES-0048 and ES-0085

This action is subject to technical and procedural review pursuant to 43 CFR 3165.5 and appeal pursuant to 43 CFR 3165.4

NMOC
DEC 02 2010

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
Department of Health and Human Services
Submit to App
SEP 28 2010

Fee Lease - 3 Copies

Farmington Field Office ☐ AMENDED REPORT
Bureau of Land Management
EDICATION PLAT

16

BASIS OF BEARING IS THE NEW MEXICO STATE
PLANE COORDINATE SYSTEM, WEST ZONE, NAD83
AS DETERMINED BY GPS OBSERVATION AND
NGS/OPUS SOLUTION.

SECTION 4,
T-31-N, R-7-W

SECTION 3,
T-31-N, R-7-W

LOT 5
GLO 1914

LOT 8

LOT 7

LOT 6

LOT 5

DEDICATED ACREAGE
USA SF-078996

S 75°07'58" W
393.7'

GLO 1914

710'

1269'

1650'

811'

GLO 1914

S 89°54' W 2631.4' (R)
S 89°59'51" W 2636.7' (M)

N 0°02' W 2640.0' (R)
N 0°04'36" W 2633.9' (M)

BOTTOM HOLE
NAD 83
LAT: 36.923223° N
LONG: 107.573032° W
NAD 27
LAT: 36°55.393149' N
LONG: 107°34.345384' W

WELL FLAG
NAD 83
LAT: 36.923498° N
LONG: 107.571729° W
NAD 27
LAT: 36°55.409626' N
LONG: 107°34.267219' W

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.

Brandie Blakley

Signature

Brandie Blakley

Printed Name

Staff Regulatory Technician

Title and E-mail Address

7-16-10

Date

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.

Date of Survey: 5/05/10

Signature and Seal of Professional Surveyor:

Certificate Number: NM 11393

CONOCOPHILLIPS COMPANY

SAN JUAN 32-7 UNIT #74B

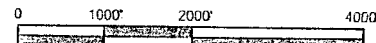
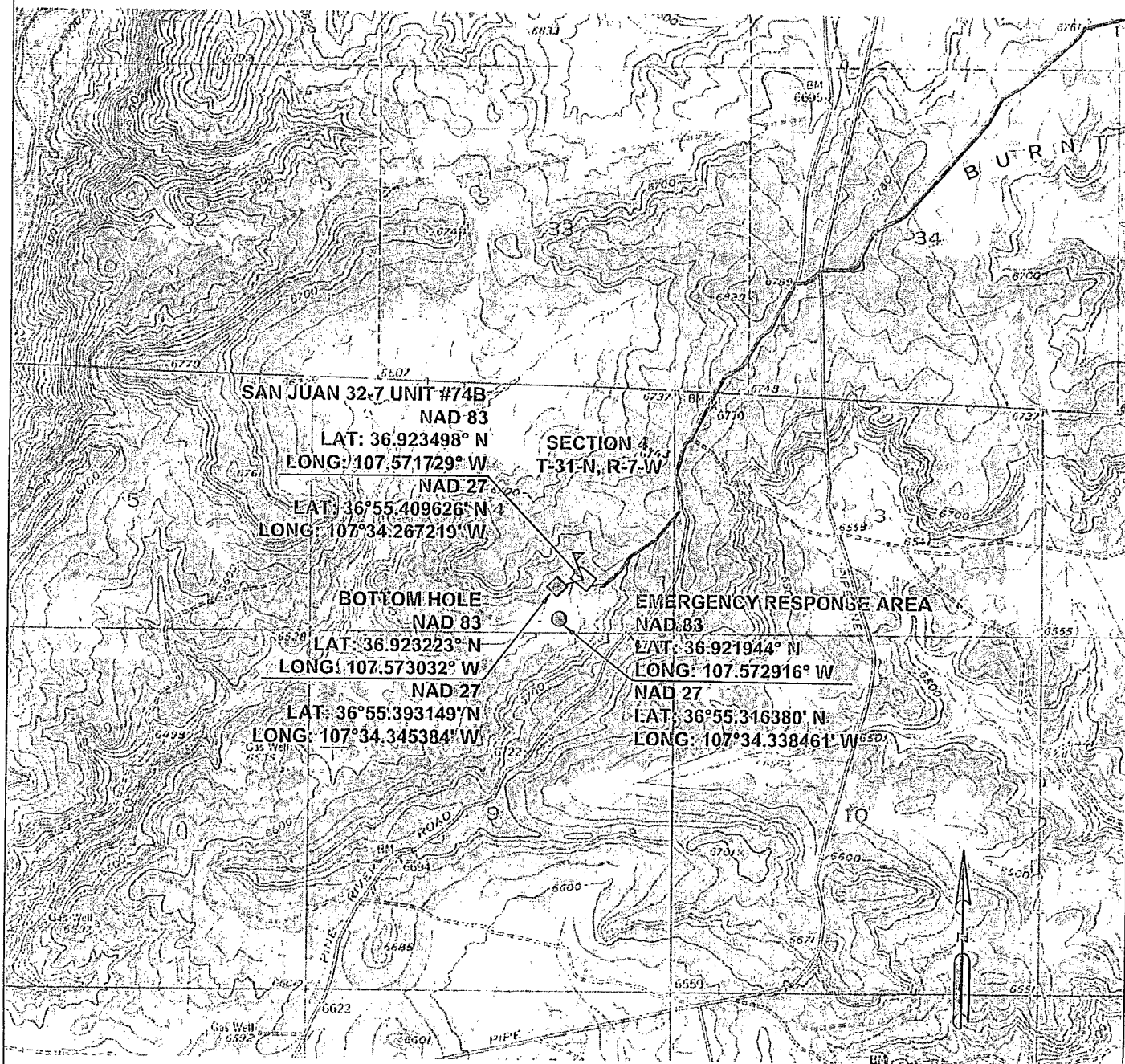
811' FSL, 1269' FEL

SECTION 4, T-31-N, R-7-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6666 NAVD88

NO NEW ACCESS



NOTE: .

REVISIONS			
NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUED FOR REVIEW	LH	10/23/09
2	WELL MOVE	TJR	5/05/10

CCI
 P.O. BOX 328
 BLOOMFIELD, NM, 87413
 PHONE: (505) 325-7707
CHENAULT CONSULTING INC.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-7 UNIT 74B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9358				AFE \$: 914,431.76	
Field Name: SAN JUAN		Rig: Aztec Rig 673		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.923493	Longitude: -107.571120	X:	Y:	Section: 04	Range: 007W		
Footage X: 1269 FEL	Footage Y: 811 FSL	Elevation: 6666	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.923218	Longitude: -107.572423	X:	Y:	Section: 04	Range: 007W		
Footage X: 1650 FEL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6681 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6481		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1053	5628		☐			
OJO ALAMO	2448	4233		☐			
KIRTLAND	2561	4120		☐			
FRUITLAND	3048	3633		☐			Possible Gas
PICTURED CLIFFS	3539	3142		☐			
LEWIS	3651	3030		☐			
Intermediate Casing	3751	2930		☐	128		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 849 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4357	2324		☐			
CHACRA	4755	1926		☐			
UPPER CLIFF HOUSE	5186	1495		☐			Gas; Est. Top Perf - 5188 (1493)
MASSIVE CLIFF HOUSE	5540	1141		☐	715		Gas; Cliffhouse is dry
MENEFEE	5595	1086		☐			
POINT LOOKOUT	5904	777		☐			
MANCOS	6304	377		☐			
UPPER GALLUP	7210	-529		☐			
GREENHORN	7934	-1253		☐			
GRANEROS	7987	-1306		☐			
TWO WELLS	8087	-1406		☐	3403		Gas
PAGUATE	8105	-1424		☐			
UPPER CUBERO	8117	-1436		☒			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-7 UNIT 74B

DEVELOPMENT

LOWER CUBERO	8151	-1470	☐	Est. Btm Perf - 8227 (- 1546) based on offset wells
ENCINAL	8212	-1531	☐	TD - 30' below T/ENCN
Total Depth	8242	-1561	☐	234 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 611 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 32-7 Unit 19A	31N 7W 4 NW NE
Production	SJ 32-7 Unit 71A	31N 7W 9 NW SE NE
Production	SJ 32-7 Unit 19M	31N 7W 4 NE SW

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 from 100' above top of GLLP to TD - mudlogger will call 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 SJ 32-7 #74B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6681.0ft (AWS Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6681.0ft (AWS Rig)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-7 #74B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico 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
From:	Lat/Long	Easting:	546,813.37 ft
Position Uncertainty:	15.0 ft	Slot Radius:	"
		Latitude:	36° 56' 7.765 N
		Longitude:	107° 40' 23.366 W
		Grid Convergence:	0.10 "

Well:	SJ 32-7 #74B, Directional S Curve Short Stepout		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 55' 24.578 N
		Longitude:	107° 34' 16.033 W
		Ground Level:	6,666.0 ft

Wellbore:	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	BGGM2010	9/9/2010	9.92
			Dip Angle
			63.71
			Field Strength
			50,939

Design:	Plan #1		
Audit Notes:			
Version:	1	Phase:	PROTOTYPE
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			255.28

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	
678.3	7.17	255.28	677.3	-5.7	-21.6	2.00	2.00	0.00	255.28	
3,536.0	7.17	255.28	3,512.8	-96.2	-366.4	0.00	0.00	0.00	0.00	
3,774.9	0.00	0.00	3,751.0	-100.0	-380.8	3.00	-3.00	0.00	180.00	SJ 32-7 #74B ICP
8,265.9	0.00	0.00	8,242.0	-100.0	-380.8	0.00	0.00	0.00	0.00	SJ 32-7 #74B PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-7 #74B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6681.0ft (AWS Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6681.0ft (AWS Rig)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-7 #74B	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
230.0	0.00	0.00	230.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface									
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	1.60	255.28	400.0	-0.3	-1.1	1.1	2.00	2.00	0.00
500.0	3.60	255.28	499.9	-1.4	-5.5	5.7	2.00	2.00	0.00
600.0	5.60	255.28	599.6	-3.5	-13.2	13.7	2.00	2.00	0.00
678.3	7.17	255.28	677.3	-5.7	-21.6	22.4	2.00	2.00	0.00
700.0	7.17	255.28	698.9	-6.4	-24.3	25.1	0.00	0.00	0.00
800.0	7.17	255.28	798.1	-9.5	-36.3	37.6	0.00	0.00	0.00
900.0	7.17	255.28	897.3	-12.7	-48.4	50.0	0.00	0.00	0.00
1,000.0	7.17	255.28	996.6	-15.9	-60.5	62.5	0.00	0.00	0.00
1,056.9	7.17	255.28	1,053.0	-17.7	-67.3	69.6	0.00	0.00	0.00
Nacimiento									
1,100.0	7.17	255.28	1,095.8	-19.0	-72.5	75.0	0.00	0.00	0.00
1,200.0	7.17	255.28	1,195.0	-22.2	-84.6	87.5	0.00	0.00	0.00
1,300.0	7.17	255.28	1,294.2	-25.4	-96.6	99.9	0.00	0.00	0.00
1,400.0	7.17	255.28	1,393.4	-28.6	-108.7	112.4	0.00	0.00	0.00
1,500.0	7.17	255.28	1,492.6	-31.7	-120.8	124.9	0.00	0.00	0.00
1,600.0	7.17	255.28	1,591.9	-34.9	-132.8	137.3	0.00	0.00	0.00
1,700.0	7.17	255.28	1,691.1	-38.1	-144.9	149.8	0.00	0.00	0.00
1,800.0	7.17	255.28	1,790.3	-41.2	-157.0	162.3	0.00	0.00	0.00
1,900.0	7.17	255.28	1,889.5	-44.4	-169.0	174.8	0.00	0.00	0.00
2,000.0	7.17	255.28	1,988.7	-47.6	-181.1	187.2	0.00	0.00	0.00
2,100.0	7.17	255.28	2,088.0	-50.7	-193.2	199.7	0.00	0.00	0.00
2,200.0	7.17	255.28	2,187.2	-53.9	-205.2	212.2	0.00	0.00	0.00
2,300.0	7.17	255.28	2,286.4	-57.1	-217.3	224.7	0.00	0.00	0.00
2,400.0	7.17	255.28	2,385.6	-60.2	-229.4	237.1	0.00	0.00	0.00
2,462.9	7.17	255.28	2,448.0	-62.2	-236.9	245.0	0.00	0.00	0.00
Ojo Alamo									
2,500.0	7.17	255.28	2,484.8	-63.4	-241.4	249.6	0.00	0.00	0.00
2,576.8	7.17	255.28	2,561.0	-65.8	-250.7	259.2	0.00	0.00	0.00
Kirtland									
2,600.0	7.17	255.28	2,584.1	-66.6	-253.5	262.1	0.00	0.00	0.00
2,700.0	7.17	255.28	2,683.3	-69.7	-265.6	274.6	0.00	0.00	0.00
2,800.0	7.17	255.28	2,782.5	-72.9	-277.6	287.0	0.00	0.00	0.00
2,900.0	7.17	255.28	2,881.7	-76.1	-289.7	299.5	0.00	0.00	0.00
3,000.0	7.17	255.28	2,980.9	-79.2	-301.7	312.0	0.00	0.00	0.00
3,067.6	7.17	255.28	3,048.0	-81.4	-309.9	320.4	0.00	0.00	0.00
Fruitland									
3,100.0	7.17	255.28	3,080.2	-82.4	-313.8	324.5	0.00	0.00	0.00
3,200.0	7.17	255.28	3,179.4	-85.6	-325.9	336.9	0.00	0.00	0.00
3,300.0	7.17	255.28	3,278.6	-88.8	-337.9	349.4	0.00	0.00	0.00
3,400.0	7.17	255.28	3,377.8	-91.9	-350.0	361.9	0.00	0.00	0.00
3,500.0	7.17	255.28	3,477.0	-95.1	-362.1	374.4	0.00	0.00	0.00
3,536.0	7.17	255.28	3,512.8	-96.2	-366.4	378.8	0.00	0.00	0.00
3,562.4	6.37	255.28	3,539.0	-97.0	-369.4	382.0	3.00	-3.00	0.00
Pictured Cliffs									
3,600.0	5.25	255.28	3,576.4	-98.0	-373.1	385.8	3.00	-3.00	0.00
3,674.8	3.00	255.28	3,651.0	-99.4	-378.3	391.1	3.00	-3.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 32 Wells
Well: SJ 32-7 #74B
Wellbore: Original Hole
Design: Plan #1

Local Co-ordinate Reference: Well SJ 32-7 #74B
TVD Reference: RKB @ 6681.0ft (AWS Rig)
MD Reference: RKB @ 6681.0ft (AWS Rig)
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)
Lewis									
3,700.0	2.25	255.28	3,676.1	-99.6	-379.4	392.3	3.00	-3.00	0.00
3,774.9	0.00	0.00	3,751.0	-100.0	-380.8	393.8	3.00	-3.00	139.85
Intermediate - SJ 32-7 #74B ICP									
3,800.0	0.00	0.00	3,776.1	-100.0	-380.8	393.8	0.00	0.00	0.00
3,900.0	0.00	0.00	3,876.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,000.0	0.00	0.00	3,976.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,100.0	0.00	0.00	4,076.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,200.0	0.00	0.00	4,176.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,300.0	0.00	0.00	4,276.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,380.9	0.00	0.00	4,357.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Huefanito Bentonite									
4,400.0	0.00	0.00	4,376.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,500.0	0.00	0.00	4,476.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,600.0	0.00	0.00	4,576.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,700.0	0.00	0.00	4,676.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,778.9	0.00	0.00	4,755.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Chacra									
4,800.0	0.00	0.00	4,776.1	-100.0	-380.8	393.8	0.00	0.00	0.00
4,900.0	0.00	0.00	4,876.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,976.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,100.0	0.00	0.00	5,076.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,200.0	0.00	0.00	5,176.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,209.9	0.00	0.00	5,186.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Upper Cliff house									
5,300.0	0.00	0.00	5,276.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,376.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,476.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,563.9	0.00	0.00	5,540.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Massive Cliffhouse									
5,600.0	0.00	0.00	5,576.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,618.9	0.00	0.00	5,595.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Menefee									
5,700.0	0.00	0.00	5,676.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,776.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,900.0	0.00	0.00	5,876.1	-100.0	-380.8	393.8	0.00	0.00	0.00
5,927.9	0.00	0.00	5,904.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Point Lookout									
6,000.0	0.00	0.00	5,976.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,100.0	0.00	0.00	6,076.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,176.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,300.0	0.00	0.00	6,276.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,327.9	0.00	0.00	6,304.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Mancos									
6,400.0	0.00	0.00	6,376.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,476.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,576.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,676.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,776.1	-100.0	-380.8	393.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,876.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,976.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,076.1	-100.0	-380.8	393.8	0.00	0.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-7 #74B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6681.0ft (AWS Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6681.0ft (AWS Rig)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-7 #74B	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)
7,200.0	0.00	0.00	7,176.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,233.9	0.00	0.00	7,210.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Upper Gallup									
7,300.0	0.00	0.00	7,276.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,376.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,476.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,576.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,676.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,776.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,876.1	-100.0	-380.8	393.8	0.00	0.00	0.00
7,957.9	0.00	0.00	7,934.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Greenhorn									
8,000.0	0.00	0.00	7,976.1	-100.0	-380.8	393.8	0.00	0.00	0.00
8,010.9	0.00	0.00	7,987.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Graneros									
8,100.0	0.00	0.00	8,076.1	-100.0	-380.8	393.8	0.00	0.00	0.00
8,110.9	0.00	0.00	8,087.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Two Wells									
8,128.9	0.00	0.00	8,105.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Paguate									
8,140.9	0.00	0.00	8,117.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Upper Cubero									
8,174.9	0.00	0.00	8,151.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Lower Cubero									
8,200.0	0.00	0.00	8,176.1	-100.0	-380.8	393.8	0.00	0.00	0.00
8,235.9	0.00	0.00	8,212.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Encinal									
8,265.9	0.00	0.00	8,242.0	-100.0	-380.8	393.8	0.00	0.00	0.00
Production - SJ 32-7 #74B 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
SJ 32-7 #74B ICP	- plan hits target center - Circle (radius 100.0)	0.00	0.00	3,751.0	-100.0	-380.8	2,155,421.32	576,266.39	36° 55' 23.589 N 107° 34' 20.723 W
SJ 32-7 #74B PCP	- plan hits target center - Circle (radius 100.0)	0.00	0.00	8,242.0	-100.0	-380.8	2,155,421.34	576,266.39	36° 55' 23.589 N 107° 34' 20.723 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	Surface	9-5/8	12-1/4	
3,774.9	3,751.0	Intermediate	7	8-3/4	
8,265.9	8,242.0	Production	4-1/2	6-1/4	

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-7 #74B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6681.0ft (AWS Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6681.0ft (AWS Rig)
Site:	San Juan 32 Wells	North Reference:	True
Well:	SJ 32-7 #74B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Formations:						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction	
3,562.4	3,539.0	Pictured Cliffs		0.00		
3,674.8	3,651.0	Lewis		0.00		
4,380.9	4,357.0	Huefanito Bentonite		0.00		
8,110.9	8,087.0	Two Wells		0.00		
5,618.9	5,595.0	Menefee		0.00		
8,235.9	8,212.0	Encinal		0.00		
5,927.9	5,904.0	Point Lookout		0.00		
2,576.8	2,561.0	Kirtland		0.00		
2,462.9	2,448.0	Ojo Alamo		0.00		
8,174.9	8,151.0	Lower Cubero		0.00		
3,067.6	3,048.0	Fruitland		0.00		
5,209.9	5,186.0	Upper Cliff house		0.00		
8,128.9	8,105.0	Paguate		0.00		
6,327.9	6,304.0	Mancos		0.00		
7,233.9	7,210.0	Upper Gallup		0.00		
1,056.9	1,053.0	Nacimiento		0.00		
5,563.9	5,540.0	Massive Cliffhouse		0.00		
4,778.9	4,755.0	Chacra		0.00		
8,140.9	8,117.0	Upper Cubero		0.00		
7,957.9	7,934.0	Greenhorn		0.00		
8,010.9	7,987.0	Graneros		0.00		

REFERENCE INFORMATION

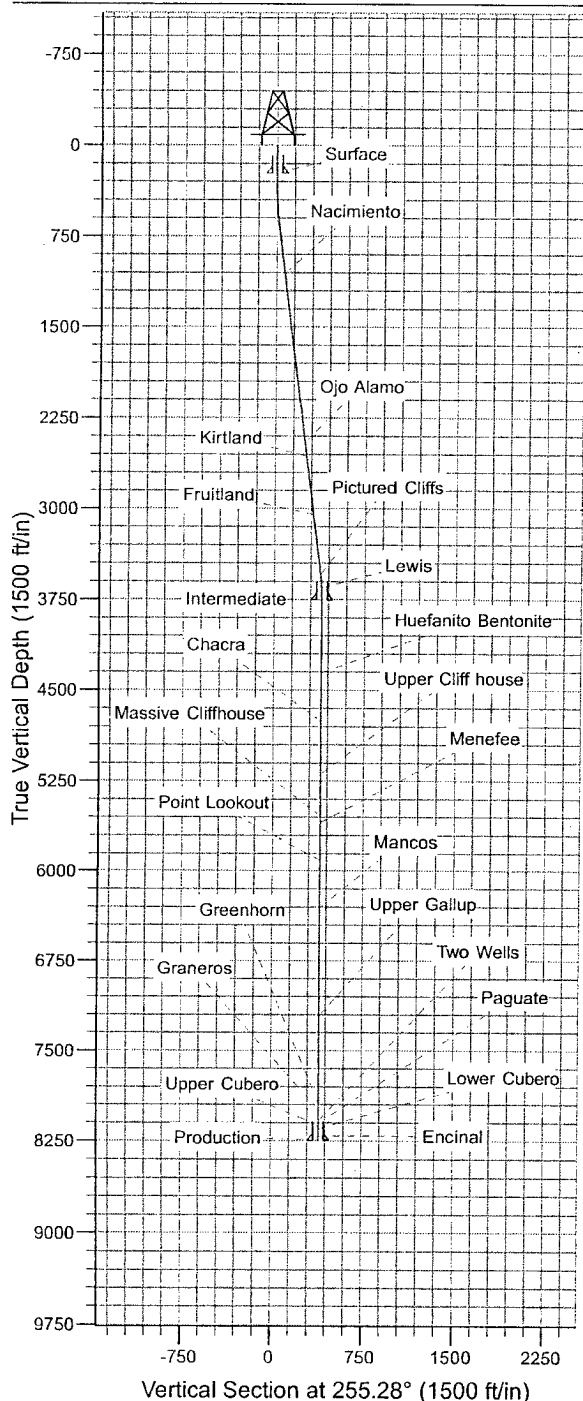
RKB @ 6681.0ft (AWS Rig)
Ground Elevation 6666.0
Reference Lat: 36° 55' 24.578 N
Reference Long: 107° 34' 16.033 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 32 Wells
Well: SJ 32-7 #74B
Wellbore: Original Hole
Design: Plan #1



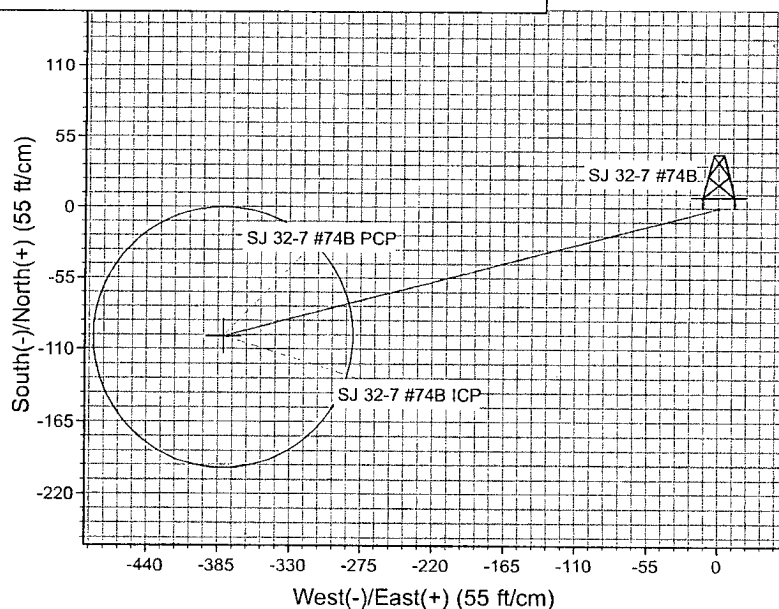
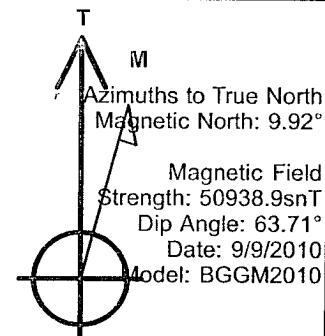
SECTION DETAILS

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	678.3	7.17	255.28	677.3	-5.7	-21.6	2.00	255.28	22.4	
4	3536.0	7.17	255.28	3512.8	-96.2	-366.4	0.00	0.00	378.8	
5	3774.9	0.00	0.00	3751.0	-100.0	-380.8	3.00	180.00	393.8	SJ 32-7 #74B ICP
6	8265.9	0.00	0.00	8242.0	-100.0	-380.8	0.00	0.00	393.8	SJ 32-7 #74B PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1053.0	1056.9	Nacimiento
2448.0	2462.9	Ojo Alamo
2561.0	2576.8	Kirtland
3048.0	3067.6	Fruitland
3539.0	3562.4	Pictured Cliffs
3651.0	3674.8	Lewis
4357.0	4380.9	Huefanito Bentonite
4755.0	4778.9	Chacra
5186.0	5209.9	Upper Cliff house
5540.0	5563.9	Massive Cliffhouse
5595.0	5618.9	Menefee
5904.0	5927.9	Point Lookout
6304.0	6327.9	Mancos
7210.0	7233.9	Upper Gallup
7934.0	7957.9	Greenhorn
7987.0	8010.9	Graneros
8087.0	8110.9	Two Wells
8105.0	8128.9	Paguate
8117.0	8140.9	Upper Cubero
8151.0	8174.9	Lower Cubero
8212.0	8235.9	Encinal



NO NEW ACCESS

NOTES:



CONOCOPHILLIPS COMPANY
SAN JUAN 32-7 UNIT #74B
811' FSL, 1269' FEL
SECTION 4, T-31-N, R-7-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.923498'N LONG.: 107.571729'W
ELEV.: 6666 NAVD88
NO NEW ACCESS

FROM IGNACIO, COLORADO:

- GO 11.9 MI. SOUTHEASTERLY TOWARDS ALLISON ON HWY. 151. TURN RIGHT (SOUTH) ON C.R. 330.
- GO 2.0 MI. SOUTH. TURN RIGHT (WEST) ON C.R. 4020.
- GO 2.0 MI. WEST AND SOUTH UPHILL ON C.R. 4020. CONTINUE STRAIGHT (SOUTH) AT ROAD INTERSECTION (BY SELFS PROPERTY GATE).
- CONTINUE 5.6 MI. SOUTH AND SOUTHEAST ON PINE RIVER ROAD TO C.R. 4000 INTERSECTION.
- GO 0.7 MI. SOUTH ON C.R. 4000. TURN RIGHT.
- GO 0.3 MI. SOUTHWEST TO COPC SJ 32-7 UNIT #53 LOCATION, THE PROPOSED SJ 32-7 UNIT #74B IS CO-LOCATED NORTHWEST OF EXISTING SPAD.