

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires. July 31, 2010

MAY 16 2012

File Serial No.

SF-078912

Allottee or Tribe Name

SUNDRIY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to create a well or to abandon a well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1 Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		7 If Unit of CA/Agreement, Name and/or No Lindrith B Unit
2. Name of Operator ConocoPhillips Company		8 Well Name and No. Lindrith B Unit #114H
3a Address PO Box 4289, Farmington, NM 87499	3b Phone No (include area code) (505) 326-9700	9 API Well No. 30-039- 31117
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit E (SWNW), 2211' FNL & 387' FWL, Sec. 10, T27N, R3W Bottomhole Unit F (SENW, 1750' FNL & 2260' FWL, Sec. 11, T24N, R3W		10 Field and Pool or Exploratory Area West Lindrith Gallup DK
		11 Country or Parish, State Rio Arriba , New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	New Drilling Plan &
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	Directional Drilling Plan

13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Attached is a revised Drilling Plan and Directional Drilling Planning Report. It will replace the one submitted with the APD dated 4/17/12.

RCVD JUN 4 '12

OIL CONS. DIV.

Hold C104
for Directional Survey
and "As Drilled" plat

DIST. 3

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Patsy Clugston		Title Sr. Regulatory Specialist
Signature <i>Patsy Clugston</i>		Date 5/16/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title AFM	Date 6/1/12
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon	Office FFO	

Title 18 USC Section 1001 and Title 43 USC Section 1212, make 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 representations as to any matter within its jurisdiction.

NMOCDA

Drilling Plan

1. Location

Lindrith B Unit #114H

SHL: 2211' FNL, 387' FWL -- T 24N, R 03W, Sec 10

BHL: 1750' FNL, 2260' FWL -- T 24N, R 03W, Sec 11

GL: 6961'

2. Geological Markers

Anticipated formation tops with comments of any possible water, gas, or oil shows are indicated below:

Formation	Depth (TVD)	Remarks
Nacimiento	1706'	
Ojo Alamo	2706'	Possible Water
Kirtland	2806'	
Fruitland	2913'	Possible Gas
Pictured Cliffs	3200'	
Lewis	3248'	
Huerfanito Bentonite	3573'	
Chacra	4063'	
Upper Cliffhouse	4656'	Gas
Massive Cliffhouse	4856'	Gas
Menefee	4887'	
Point Lookout	5353'	
Mancos	5710'	
Upper Gallup	6453'	Oil/Gas

See attached directional plan for anticipated formation tops in measure depth.

3. Pressure Control Equipment

See Attached BOPE & Choke Manifold Schematic for a diagram of pressure control equipment.

- BOPE will be nipped up on top of wellhead after surface casing is set and cemented.
- Pressure control configuration will be designed to meet and exceed 2M standards.
- All equipment will have 3M pressure ratings.
- A rotating head will be rigged up on top of annular as seen in attached diagram.

4. Casing & Cement Program

A) The proposed casing program is outlined below:

Proposed Casing				
Casing	Hole Size	Casing Size	Weight/Grade	Depth
Surface	12-1/4"	9-5/8"	32.3#, H-40, STC, New	0' - 320' (TVD)
Intermediate	8-3/4"	7"	26.0#, L-80, LTC, New	0' - 6085' (TVD)
Production Liner	6-1/8"	4-1/2"	11.6#, P-110, BTC, New	6025 - 13540' (MD)

The intermediate casing may be set deeper if hole conditions allow.

The production liner will be tied back into the intermediate casing string with a liner hanger with a pack-off element.

A 4-1/2", 11.6#, P-110, BTC (new) frac string will be ran and tied into liner hanger for the stimulation.

If the 6 1/8" hole is not drilled to total MD, the production liner setting depth and length will be adjusted accordingly.

B) The proposed cement program is shown below:

Cement Program				
Interval	Depth (TVD)	Volume	Slurry	Planned Cement Top
Surface	320'	244 ft ³	Lead Cmt: Type III Cmt 0.25 pps Celloflake 1.25 ft ³ /sk -- 5.75 gal/sk 15.2 ppg	Surface
Intermediate	6085'	1250 ft ³	Lead Cmt: Premium Lite 3% CaCl, 0.25 pps celloflake, 5 ppm LCM-1, 0.4% FL-52, 8% Bentonite, 0.4% SMS 2.13 ft ³ /sk -- 11.29 gal/sk 12.1 ppg Tail Cmt: Type III 1% CaCl, 0.25 pps celloflake, 0.2% FL-52 1.38 ft ³ /sk -- 6.64 gal/sk 14.6 ppg	Surface
Production	N/A	N/A	N/A – Sliding sleeves and external swellable casing packers will be utilized	N/A

For the intermediate hole, a 2-stage cement job may be performed if hole conditions indicate during operations. Stage tool will be placed appropriately as conditions indicate.

C) The proposed centralizer program is shown below:

Centralizer Program	
Interval	Centralizers
Surface	1 per joint on bottom 3 joints
Intermediate	10' above shoe jnt w/ collar clamp On top of 2 nd , 4 th , 6 th , 8 th , 10 th jnts 1 every 4 th jnt to Ojo Alamo 1 Turbolizer at base of Ojo Alamo 1 every joint thru Ojo Alamo 1 Turbolizer will be placed mid way into Ojo Alamo 1 every 4 th jnt from top of Ojo Alamo up to surface shoe 1 inside surface casing
Production	N/A

To allow adequate time for cement to achieve a minimum of 500 psi compressive strength, a minimum of 8 hours wait on cement time for each hole section will be observed. The wellhead will not be installed, casing will not be tested, and the prior casing shoe will not be drilled out until adequate wait on cement time is achieved.

Production hole will be completed/stimulated by means of sliding sleeves spaced out appropriately throughout the production liner. Swellable packers will be placed between sleeves to provide isolation for each stage.

5. Drilling Fluids

A) The proposed drilling fluid program is outlined below:

Mud Program				
Interval	Mud Type	Weight (ppg)	Fluid Loss (cc)	Invert Ratio (Diesel/Brine)
Surface	Air / Water Gel System	Air 8.3 - 9.2	NC	
Intermediate	LSND / Gel system	8.4 - 10	6 - 14	
Production	Oil Based Mud	7.0 - 8.5	4 - 12	70/30 - 90/10

Oil based mud will be an Invert Mud. Base fluid will be diesel. Brine fluid will be CaCl or KCl.

LCM may be added to the mud system if hole conditions indicate.

B) Closed loop equipment will be utilized for solids control. A lined cutting pit will be utilized for water based cutting from upper hole sections. Cuttings from production hole will be hauled off to approved disposal site.

6. Abnormal Pressures & Hazards

- No over-pressured intervals expected.
- No hydrogen sulfide gas is expected based off nearby well production.
- Target zone is expected to be under pressured. Offset layer pressure test indicate pore pressure +/- 0.23 psi/ft (4.42 ppg equivalent).

$$P_{\text{FORMATION}}: 6660 \text{ ft} \times 0.23 \frac{\text{psi}}{\text{ft}} = 1532 \text{ psi}$$

- No other anticipated under pressured zones expect .

7. Testing, Logging, Coring

- Mud Logs: Mud loggers will be rigged up from KOP to production hole TD.
- MWD: Directional tools from KOP to production hole TD.
- LWD: Gamma Ray and Resistivity will be utilized in production hole for well placement.
- Logs: No planned open hole logs (other than the previously identified LWD logs) will be ran.
- Cased Hole Logs: A Temp Survey or CBL will be ran on the intermediate hole if cement is not circulated to surface during intermediate cement job.

8. Directional Plan

The planned wellbore directional plan and plot is attached.

The planned directional plan is built off geological targets from offset wells. The production hole will be landed and drilled within target formation horizontally utilizing LWD equipment to help steer the wellbore. On site adjustments will be made to the directional plan as formation and hole indicates.

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lindrith B Unit #114H
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6976.0ft (AWS920)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6976.0ft (AWS920)
Site:	Other Named Wells	North Reference:	True
Well:	Lindrith B Unit #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	12 deg build		

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:		Northing:	2,063,826.04 ft	Latitude:	36° 40' 18.848 N
From:	Lat/Long	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	Lindrith B Unit #114H, MNCS HZ					
Well Position	+N/-S	0.0 ft	Northing:	1,938,661.44 ft	Latitude:	36° 19' 34.051 N
	+E/-W	0.0 ft	Easting:	700,956.01 ft	Longitude:	107° 9' 4.108 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,961.0ft

Wellbore	Original Wellbore				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	3/9/2012	9.50	63.20	50,469

Design	12 deg build				
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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	85.96

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	
6,185.2	0.00	0.00	6,185.2	0.0	0.0	0.00	0.00	0.00	0.00	
6,937.2	90.24	85.96	6,662.7	33.8	478.3	12.00	12.00	0.00	85.96	
13,546.1	90.24	85.96	6,635.0	499.5	7,070.6	0.00	0.00	0.00	0.00	LBU #114H - BHL

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: Lindrith B Unit #114H
Wellbore: Original Wellbore
Design: 12 deg build

Local Co-ordinate Reference: Well Lindrith B Unit #114H
TVD Reference: KB @ 6976.0ft (AWS920)
MD Reference: KB @ 6976.0ft (AWS920)
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
50.0	0.00	0.00	50.0	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
150.0	0.00	0.00	150.0	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
250.0	0.00	0.00	250.0	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
350.0	0.00	0.00	350.0	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
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
750.0	0.00	0.00	750.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
850.0	0.00	0.00	850.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8" Surf CSG									
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,050.0	0.00	0.00	1,050.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,250.0	0.00	0.00	1,250.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,450.0	0.00	0.00	1,450.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,550.0	0.00	0.00	1,550.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,650.0	0.00	0.00	1,650.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,706.0	0.00	0.00	1,706.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
1,750.0	0.00	0.00	1,750.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,850.0	0.00	0.00	1,850.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,950.0	0.00	0.00	1,950.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,050.0	0.00	0.00	2,050.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,150.0	0.00	0.00	2,150.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,250.0	0.00	0.00	2,250.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,350.0	0.00	0.00	2,350.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,450.0	0.00	0.00	2,450.0	0.0	0.0	0.0	0.00	0.00	0.00

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: Lindrith B Unit #114H
Wellbore: Original Wellbore
Design: 12 deg build

Local Co-ordinate Reference: Well Lindrith B Unit #114H
TVD Reference: KB @ 6976.0ft (AWS920)
MD Reference: KB @ 6976.0ft (AWS920)
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)	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,550.0	0.00	0.00	2,550.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,650.0	0.00	0.00	2,650.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,706.0	0.00	0.00	2,706.0	0.0	0.0	0.0	0.00	0.00	0.00	
Ojo Alamo										
2,750.0	0.00	0.00	2,750.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,806.0	0.00	0.00	2,806.0	0.0	0.0	0.0	0.00	0.00	0.00	
Kirtland										
2,850.0	0.00	0.00	2,850.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,913.0	0.00	0.00	2,913.0	0.0	0.0	0.0	0.00	0.00	0.00	
Fruitland										
2,950.0	0.00	0.00	2,950.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,050.0	0.00	0.00	3,050.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,150.0	0.00	0.00	3,150.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
Pictured Cliffs										
3,248.0	0.00	0.00	3,248.0	0.0	0.0	0.0	0.00	0.00	0.00	
Lewis										
3,250.0	0.00	0.00	3,250.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,350.0	0.00	0.00	3,350.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,450.0	0.00	0.00	3,450.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,550.0	0.00	0.00	3,550.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,573.0	0.00	0.00	3,573.0	0.0	0.0	0.0	0.00	0.00	0.00	
Huerfano Bentonite										
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,650.0	0.00	0.00	3,650.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,750.0	0.00	0.00	3,750.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,850.0	0.00	0.00	3,850.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,950.0	0.00	0.00	3,950.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,050.0	0.00	0.00	4,050.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,063.0	0.00	0.00	4,063.0	0.0	0.0	0.0	0.00	0.00	0.00	
Chacra										
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,150.0	0.00	0.00	4,150.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,250.0	0.00	0.00	4,250.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,350.0	0.00	0.00	4,350.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,450.0	0.00	0.00	4,450.0	0.0	0.0	0.0	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lindrith B Unit #114H
Company:	ConocoPhillips SJB	TVD Reference:	KB @ 6976.0ft (AWS920)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6976.0ft (AWS920)
Site:	Other Named Wells	North Reference:	True
Well:	Lindrith B Unit #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	12 deg build		

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)	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,550.0	0.00	0.00	4,550.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,650.0	0.00	0.00	4,650.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,750.0	0.00	0.00	4,750.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,850.0	0.00	0.00	4,850.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,856.0	0.00	0.00	4,856.0	0.0	0.0	0.0	0.00	0.00	0.00	
Mass. Cliffhouse										
4,887.0	0.00	0.00	4,887.0	0.0	0.0	0.0	0.00	0.00	0.00	
Menefee										
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,950.0	0.00	0.00	4,950.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,050.0	0.00	0.00	5,050.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,150.0	0.00	0.00	5,150.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,250.0	0.00	0.00	5,250.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,350.0	0.00	0.00	5,350.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,353.0	0.00	0.00	5,353.0	0.0	0.0	0.0	0.00	0.00	0.00	
Point Lookout										
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,450.0	0.00	0.00	5,450.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,550.0	0.00	0.00	5,550.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,650.0	0.00	0.00	5,650.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,710.0	0.00	0.00	5,710.0	0.0	0.0	0.0	0.00	0.00	0.00	
Manicos										
5,750.0	0.00	0.00	5,750.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,850.0	0.00	0.00	5,850.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,950.0	0.00	0.00	5,950.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,050.0	0.00	0.00	6,050.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,085.0	0.00	0.00	6,085.0	0.0	0.0	0.0	0.00	0.00	0.00	
7" Prod CSG										
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,150.0	0.00	0.00	6,150.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,185.2	0.00	0.00	6,185.2	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	1.77	85.96	6,200.0	0.0	0.2	0.2	12.00	12.00	0.00	
6,250.0	7.77	85.96	6,249.8	0.3	4.4	4.4	12.00	12.00	0.00	
6,300.0	13.77	85.96	6,298.9	1.0	13.7	13.7	12.00	12.00	0.00	
6,350.0	19.77	85.96	6,346.7	2.0	28.1	28.2	12.00	12.00	0.00	
6,400.0	25.77	85.96	6,392.8	3.3	47.4	47.5	12.00	12.00	0.00	
6,450.0	31.77	85.96	6,436.6	5.0	71.4	71.6	12.00	12.00	0.00	
6,469.5	34.11	85.96	6,453.0	5.8	82.0	82.2	12.00	12.00	0.00	
Upper Gallup										

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lindrith B Unit #114H
Company:	ConocoPhillips SJB	TVD Reference:	KB @ 6976.0ft (AWS920)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6976.0ft (AWS920)
Site:	Other Named Wells	North Reference:	True
Well:	Lindrith B Unit #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	12 deg build		

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)
6,476.8	34.99	85.96	6,459.0	6.1	86.1	86.3	12.00	12.00	0.00
El Vado A									
6,500.0	37.77	85.96	6,477.7	7.1	99.8	100.1	12.00	12.00	0.00
6,547.9	43.52	85.96	6,514.0	9.2	130.9	131.2	12.00	12.00	0.00
El Vado B									
6,550.0	43.77	85.96	6,515.5	9.4	132.4	132.7	12.00	12.00	0.00
6,600.0	49.77	85.96	6,549.8	11.9	168.7	169.1	12.00	12.00	0.00
6,650.0	55.77	85.96	6,580.0	14.7	208.4	208.9	12.00	12.00	0.00
6,700.0	61.77	85.96	6,605.9	17.7	251.0	251.6	12.00	12.00	0.00
6,729.4	65.30	85.96	6,619.0	19.6	277.3	277.9	12.00	12.00	0.00
El Vado C									
6,750.0	67.77	85.96	6,627.2	20.9	296.1	296.9	12.00	12.00	0.00
6,800.0	73.77	85.96	6,643.7	24.2	343.2	344.0	12.00	12.00	0.00
6,850.0	79.77	85.96	6,655.1	27.7	391.7	392.7	12.00	12.00	0.00
6,900.0	85.77	85.96	6,661.4	31.2	441.2	442.3	12.00	12.00	0.00
6,937.2	90.24	85.96	6,662.7	33.8	478.3	479.5	12.00	12.00	0.00
6,950.0	90.24	85.96	6,662.6	34.7	491.0	492.2	0.00	0.00	0.00
7,000.0	90.24	85.96	6,662.4	38.2	540.9	542.2	0.00	0.00	0.00
7,050.0	90.24	85.96	6,662.2	41.7	590.8	592.2	0.00	0.00	0.00
7,100.0	90.24	85.96	6,662.0	45.3	640.6	642.2	0.00	0.00	0.00
7,150.0	90.24	85.96	6,661.8	48.8	690.5	692.2	0.00	0.00	0.00
7,200.0	90.24	85.96	6,661.6	52.3	740.4	742.2	0.00	0.00	0.00
7,250.0	90.24	85.96	6,661.4	55.8	790.3	792.2	0.00	0.00	0.00
7,300.0	90.24	85.96	6,661.2	59.4	840.1	842.2	0.00	0.00	0.00
7,350.0	90.24	85.96	6,661.0	62.9	890.0	892.2	0.00	0.00	0.00
7,400.0	90.24	85.96	6,660.7	66.4	939.9	942.2	0.00	0.00	0.00
7,450.0	90.24	85.96	6,660.5	69.9	989.8	992.2	0.00	0.00	0.00
7,500.0	90.24	85.96	6,660.3	73.4	1,039.6	1,042.2	0.00	0.00	0.00
7,550.0	90.24	85.96	6,660.1	77.0	1,089.5	1,092.2	0.00	0.00	0.00
7,600.0	90.24	85.96	6,659.9	80.5	1,139.4	1,142.2	0.00	0.00	0.00
7,650.0	90.24	85.96	6,659.7	84.0	1,189.3	1,192.2	0.00	0.00	0.00
7,700.0	90.24	85.96	6,659.5	87.5	1,239.1	1,242.2	0.00	0.00	0.00
7,750.0	90.24	85.96	6,659.3	91.1	1,289.0	1,292.2	0.00	0.00	0.00
7,800.0	90.24	85.96	6,659.1	94.6	1,338.9	1,342.2	0.00	0.00	0.00
7,850.0	90.24	85.96	6,658.9	98.1	1,388.8	1,392.2	0.00	0.00	0.00
7,900.0	90.24	85.96	6,658.7	101.6	1,438.6	1,442.2	0.00	0.00	0.00
7,950.0	90.24	85.96	6,658.4	105.2	1,488.5	1,492.2	0.00	0.00	0.00
8,000.0	90.24	85.96	6,658.2	108.7	1,538.4	1,542.2	0.00	0.00	0.00
8,050.0	90.24	85.96	6,658.0	112.2	1,588.3	1,592.2	0.00	0.00	0.00
8,100.0	90.24	85.96	6,657.8	115.7	1,638.1	1,642.2	0.00	0.00	0.00
8,150.0	90.24	85.96	6,657.6	119.3	1,688.0	1,692.2	0.00	0.00	0.00
8,200.0	90.24	85.96	6,657.4	122.8	1,737.9	1,742.2	0.00	0.00	0.00
8,250.0	90.24	85.96	6,657.2	126.3	1,787.8	1,792.2	0.00	0.00	0.00
8,300.0	90.24	85.96	6,657.0	129.8	1,837.7	1,842.2	0.00	0.00	0.00
8,350.0	90.24	85.96	6,656.8	133.3	1,887.5	1,892.2	0.00	0.00	0.00
8,400.0	90.24	85.96	6,656.6	136.9	1,937.4	1,942.2	0.00	0.00	0.00
8,450.0	90.24	85.96	6,656.3	140.4	1,987.3	1,992.2	0.00	0.00	0.00
8,500.0	90.24	85.96	6,656.1	143.9	2,037.2	2,042.2	0.00	0.00	0.00
8,550.0	90.24	85.96	6,655.9	147.4	2,087.0	2,092.2	0.00	0.00	0.00
8,600.0	90.24	85.96	6,655.7	151.0	2,136.9	2,142.2	0.00	0.00	0.00
8,650.0	90.24	85.96	6,655.5	154.5	2,186.8	2,192.2	0.00	0.00	0.00
8,700.0	90.24	85.96	6,655.3	158.0	2,236.7	2,242.2	0.00	0.00	0.00
8,750.0	90.24	85.96	6,655.1	161.5	2,286.5	2,292.2	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lindrith B Unit #114H
Company:	ConocoPhillips SJBU	TVD Reference:	KB @ 6976.0ft (AWS920)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6976.0ft (AWS920)
Site:	Other Named Wells	North Reference:	True
Well:	Lindrith B Unit #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	12 deg build		

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)	
8,800.0	90.24	85.96	6,654.9	165.1	2,336.4	2,342.2	0.00	0.00	0.00	
8,850.0	90.24	85.96	6,654.7	168.6	2,386.3	2,392.2	0.00	0.00	0.00	
8,900.0	90.24	85.96	6,654.5	172.1	2,436.2	2,442.2	0.00	0.00	0.00	
8,950.0	90.24	85.96	6,654.3	175.6	2,486.0	2,492.2	0.00	0.00	0.00	
9,000.0	90.24	85.96	6,654.0	179.2	2,535.9	2,542.2	0.00	0.00	0.00	
9,050.0	90.24	85.96	6,653.8	182.7	2,585.8	2,592.2	0.00	0.00	0.00	
9,100.0	90.24	85.96	6,653.6	186.2	2,635.7	2,642.2	0.00	0.00	0.00	
9,150.0	90.24	85.96	6,653.4	189.7	2,685.5	2,692.2	0.00	0.00	0.00	
9,200.0	90.24	85.96	6,653.2	193.3	2,735.4	2,742.2	0.00	0.00	0.00	
9,250.0	90.24	85.96	6,653.0	196.8	2,785.3	2,792.2	0.00	0.00	0.00	
9,300.0	90.24	85.96	6,652.8	200.3	2,835.2	2,842.2	0.00	0.00	0.00	
9,350.0	90.24	85.96	6,652.6	203.8	2,885.0	2,892.2	0.00	0.00	0.00	
9,400.0	90.24	85.96	6,652.4	207.3	2,934.9	2,942.2	0.00	0.00	0.00	
9,450.0	90.24	85.96	6,652.2	210.9	2,984.8	2,992.2	0.00	0.00	0.00	
9,500.0	90.24	85.96	6,651.9	214.4	3,034.7	3,042.2	0.00	0.00	0.00	
9,550.0	90.24	85.96	6,651.7	217.9	3,084.5	3,092.2	0.00	0.00	0.00	
9,600.0	90.24	85.96	6,651.5	221.4	3,134.4	3,142.2	0.00	0.00	0.00	
9,650.0	90.24	85.96	6,651.3	225.0	3,184.3	3,192.2	0.00	0.00	0.00	
9,700.0	90.24	85.96	6,651.1	228.5	3,234.2	3,242.2	0.00	0.00	0.00	
9,750.0	90.24	85.96	6,650.9	232.0	3,284.0	3,292.2	0.00	0.00	0.00	
9,800.0	90.24	85.96	6,650.7	235.5	3,333.9	3,342.2	0.00	0.00	0.00	
9,850.0	90.24	85.96	6,650.5	239.1	3,383.8	3,392.2	0.00	0.00	0.00	
9,900.0	90.24	85.96	6,650.3	242.6	3,433.7	3,442.2	0.00	0.00	0.00	
9,950.0	90.24	85.96	6,650.1	246.1	3,483.5	3,492.2	0.00	0.00	0.00	
10,000.0	90.24	85.96	6,649.9	249.6	3,533.4	3,542.2	0.00	0.00	0.00	
10,050.0	90.24	85.96	6,649.6	253.2	3,583.3	3,592.2	0.00	0.00	0.00	
10,100.0	90.24	85.96	6,649.4	256.7	3,633.2	3,642.2	0.00	0.00	0.00	
10,150.0	90.24	85.96	6,649.2	260.2	3,683.0	3,692.2	0.00	0.00	0.00	
10,200.0	90.24	85.96	6,649.0	263.7	3,732.9	3,742.2	0.00	0.00	0.00	
10,250.0	90.24	85.96	6,648.8	267.2	3,782.8	3,792.2	0.00	0.00	0.00	
10,300.0	90.24	85.96	6,648.6	270.8	3,832.7	3,842.2	0.00	0.00	0.00	
10,350.0	90.24	85.96	6,648.4	274.3	3,882.5	3,892.2	0.00	0.00	0.00	
10,400.0	90.24	85.96	6,648.2	277.8	3,932.4	3,942.2	0.00	0.00	0.00	
10,450.0	90.24	85.96	6,648.0	281.3	3,982.3	3,992.2	0.00	0.00	0.00	
10,500.0	90.24	85.96	6,647.8	284.9	4,032.2	4,042.2	0.00	0.00	0.00	
10,550.0	90.24	85.96	6,647.5	288.4	4,082.0	4,092.2	0.00	0.00	0.00	
10,600.0	90.24	85.96	6,647.3	291.9	4,131.9	4,142.2	0.00	0.00	0.00	
10,650.0	90.24	85.96	6,647.1	295.4	4,181.8	4,192.2	0.00	0.00	0.00	
10,700.0	90.24	85.96	6,646.9	299.0	4,231.7	4,242.2	0.00	0.00	0.00	
10,750.0	90.24	85.96	6,646.7	302.5	4,281.5	4,292.2	0.00	0.00	0.00	
10,800.0	90.24	85.96	6,646.5	306.0	4,331.4	4,342.2	0.00	0.00	0.00	
10,850.0	90.24	85.96	6,646.3	309.5	4,381.3	4,392.2	0.00	0.00	0.00	
10,900.0	90.24	85.96	6,646.1	313.1	4,431.2	4,442.2	0.00	0.00	0.00	
10,950.0	90.24	85.96	6,645.9	316.6	4,481.0	4,492.2	0.00	0.00	0.00	
11,000.0	90.24	85.96	6,645.7	320.1	4,530.9	4,542.2	0.00	0.00	0.00	
11,050.0	90.24	85.96	6,645.5	323.6	4,580.8	4,592.2	0.00	0.00	0.00	
11,100.0	90.24	85.96	6,645.2	327.1	4,630.7	4,642.2	0.00	0.00	0.00	
11,150.0	90.24	85.96	6,645.0	330.7	4,680.5	4,692.2	0.00	0.00	0.00	
11,200.0	90.24	85.96	6,644.8	334.2	4,730.4	4,742.2	0.00	0.00	0.00	
11,250.0	90.24	85.96	6,644.6	337.7	4,780.3	4,792.2	0.00	0.00	0.00	
11,300.0	90.24	85.96	6,644.4	341.2	4,830.2	4,842.2	0.00	0.00	0.00	
11,350.0	90.24	85.96	6,644.2	344.8	4,880.0	4,892.2	0.00	0.00	0.00	
11,400.0	90.24	85.96	6,644.0	348.3	4,929.9	4,942.2	0.00	0.00	0.00	

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Planning Report

Database: EDM Central Planning Company: ConocoPhillips SJBU Project: San Juan Basin - New Mexico West Wells Site: Other Named Wells Well: Lindrith B Unit #114H Wellbore: Original Wellbore Design: 12 deg build	Local Co-ordinate Reference: Well Lindrith B Unit #114H TVD Reference: KB @ 6976.0ft (AWS920) MD Reference: KB @ 6976.0ft (AWS920) North Reference: True Survey Calculation Method: Minimum Curvature	
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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)
11,450.0	90.24	85.96	6,643.8	351.8	4,979.8	4,992.2	0.00	0.00	0.00
11,500.0	90.24	85.96	6,643.6	355.3	5,029.7	5,042.2	0.00	0.00	0.00
11,550.0	90.24	85.96	6,643.4	358.9	5,079.5	5,092.2	0.00	0.00	0.00
11,600.0	90.24	85.96	6,643.2	362.4	5,129.4	5,142.2	0.00	0.00	0.00
11,650.0	90.24	85.96	6,642.9	365.9	5,179.3	5,192.2	0.00	0.00	0.00
11,700.0	90.24	85.96	6,642.7	369.4	5,229.2	5,242.2	0.00	0.00	0.00
11,750.0	90.24	85.96	6,642.5	373.0	5,279.0	5,292.2	0.00	0.00	0.00
11,800.0	90.24	85.96	6,642.3	376.5	5,328.9	5,342.2	0.00	0.00	0.00
11,850.0	90.24	85.96	6,642.1	380.0	5,378.8	5,392.2	0.00	0.00	0.00
11,900.0	90.24	85.96	6,641.9	383.5	5,428.7	5,442.2	0.00	0.00	0.00
11,950.0	90.24	85.96	6,641.7	387.0	5,478.5	5,492.2	0.00	0.00	0.00
12,000.0	90.24	85.96	6,641.5	390.6	5,528.4	5,542.2	0.00	0.00	0.00
12,050.0	90.24	85.96	6,641.3	394.1	5,578.3	5,592.2	0.00	0.00	0.00
12,100.0	90.24	85.96	6,641.1	397.6	5,628.2	5,642.2	0.00	0.00	0.00
12,150.0	90.24	85.96	6,640.8	401.1	5,678.0	5,692.2	0.00	0.00	0.00
12,200.0	90.24	85.96	6,640.6	404.7	5,727.9	5,742.2	0.00	0.00	0.00
12,250.0	90.24	85.96	6,640.4	408.2	5,777.8	5,792.2	0.00	0.00	0.00
12,300.0	90.24	85.96	6,640.2	411.7	5,827.7	5,842.2	0.00	0.00	0.00
12,350.0	90.24	85.96	6,640.0	415.2	5,877.5	5,892.2	0.00	0.00	0.00
12,400.0	90.24	85.96	6,639.8	418.8	5,927.4	5,942.2	0.00	0.00	0.00
12,450.0	90.24	85.96	6,639.6	422.3	5,977.3	5,992.2	0.00	0.00	0.00
12,500.0	90.24	85.96	6,639.4	425.8	6,027.2	6,042.2	0.00	0.00	0.00
12,550.0	90.24	85.96	6,639.2	429.3	6,077.0	6,092.2	0.00	0.00	0.00
12,600.0	90.24	85.96	6,639.0	432.9	6,126.9	6,142.2	0.00	0.00	0.00
12,650.0	90.24	85.96	6,638.8	436.4	6,176.8	6,192.2	0.00	0.00	0.00
12,700.0	90.24	85.96	6,638.5	439.9	6,226.7	6,242.2	0.00	0.00	0.00
12,750.0	90.24	85.96	6,638.3	443.4	6,276.5	6,292.2	0.00	0.00	0.00
12,800.0	90.24	85.96	6,638.1	446.9	6,326.4	6,342.2	0.00	0.00	0.00
12,850.0	90.24	85.96	6,637.9	450.5	6,376.3	6,392.2	0.00	0.00	0.00
12,900.0	90.24	85.96	6,637.7	454.0	6,426.2	6,442.2	0.00	0.00	0.00
12,950.0	90.24	85.96	6,637.5	457.5	6,476.0	6,492.2	0.00	0.00	0.00
13,000.0	90.24	85.96	6,637.3	461.0	6,525.9	6,542.2	0.00	0.00	0.00
13,050.0	90.24	85.96	6,637.1	464.6	6,575.8	6,592.2	0.00	0.00	0.00
13,100.0	90.24	85.96	6,636.9	468.1	6,625.7	6,642.2	0.00	0.00	0.00
13,150.0	90.24	85.96	6,636.7	471.6	6,675.5	6,692.2	0.00	0.00	0.00
13,200.0	90.24	85.96	6,636.4	475.1	6,725.4	6,742.2	0.00	0.00	0.00
13,250.0	90.24	85.96	6,636.2	478.7	6,775.3	6,792.2	0.00	0.00	0.00
13,300.0	90.24	85.96	6,636.0	482.2	6,825.2	6,842.2	0.00	0.00	0.00
13,350.0	90.24	85.96	6,635.8	485.7	6,875.1	6,892.2	0.00	0.00	0.00
13,400.0	90.24	85.96	6,635.6	489.2	6,924.9	6,942.2	0.00	0.00	0.00
13,450.0	90.24	85.96	6,635.4	492.8	6,974.8	6,992.2	0.00	0.00	0.00
13,500.0	90.24	85.96	6,635.2	496.3	7,024.7	7,042.2	0.00	0.00	0.00
13,526.0	90.24	85.96	6,635.1	498.1	7,050.6	7,068.2	0.00	0.00	0.00
4 1/2" Prod Liner									
13,546.1	90.24	85.96	6,635.0	499.5	7,070.6	7,088.2	0.00	0.00	0.00

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lindrith B Unit #114H
Company:	ConocoPhillips SJB	TVD Reference:	KB @ 6976.0ft (AWS920)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	KB @ 6976.0ft (AWS920)
Site:	Other Named Wells	North Reference:	True
Well:	Lindrith B Unit #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	12 deg build		

Targets									
Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
- Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	
									Latitude Longitude
LBU #114H - BHL		0.00	0.00	6,635.0	499.5	7,070.6	1,939,210.81	708,022.67	36° 19' 38.982 N 107° 7' 37.703 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth		Name	Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
850.0	850.0	9 5/8" Surf CSG		9-5/8	12-1/4
6,085.0	6,085.0	7" Prod CSG		7	8-3/4
13,526.0	6,635.1	4 1/2" Prod Liner		4-1/2	6-1/8

Formations						
Measured Depth	Vertical Depth		Name	Lithology	Dip	Dip Direction
(ft)	(ft)				(°)	(°)
6,547.9	6,514.0	El Vado B			0.00	
2,806.0	2,806.0	Kirtland			0.00	
3,248.0	3,248.0	Lewis			0.00	
3,573.0	3,573.0	Huerfano Bentonite			0.00	
	6,699.0	Basal Niobrara			0.00	
5,353.0	5,353.0	Point Lookout			0.00	
4,887.0	4,887.0	Menefee			0.00	
2,913.0	2,913.0	Fruitland			0.00	
6,476.8	6,459.0	El Vado A			0.00	
6,469.5	6,453.0	Upper Gallup			0.00	
6,729.4	6,619.0	El Vado C			0.00	
3,200.0	3,200.0	Pictured Cliffs			0.00	
4,856.0	4,856.0	Mass. Cliffhouse			0.00	
4,063.0	4,063.0	Chacra			0.00	
5,710.0	5,710.0	Mancos			0.00	
2,706.0	2,706.0	Ojo Alamo			0.00	
1,706.0	1,706.0	Nacimiento			0.00	

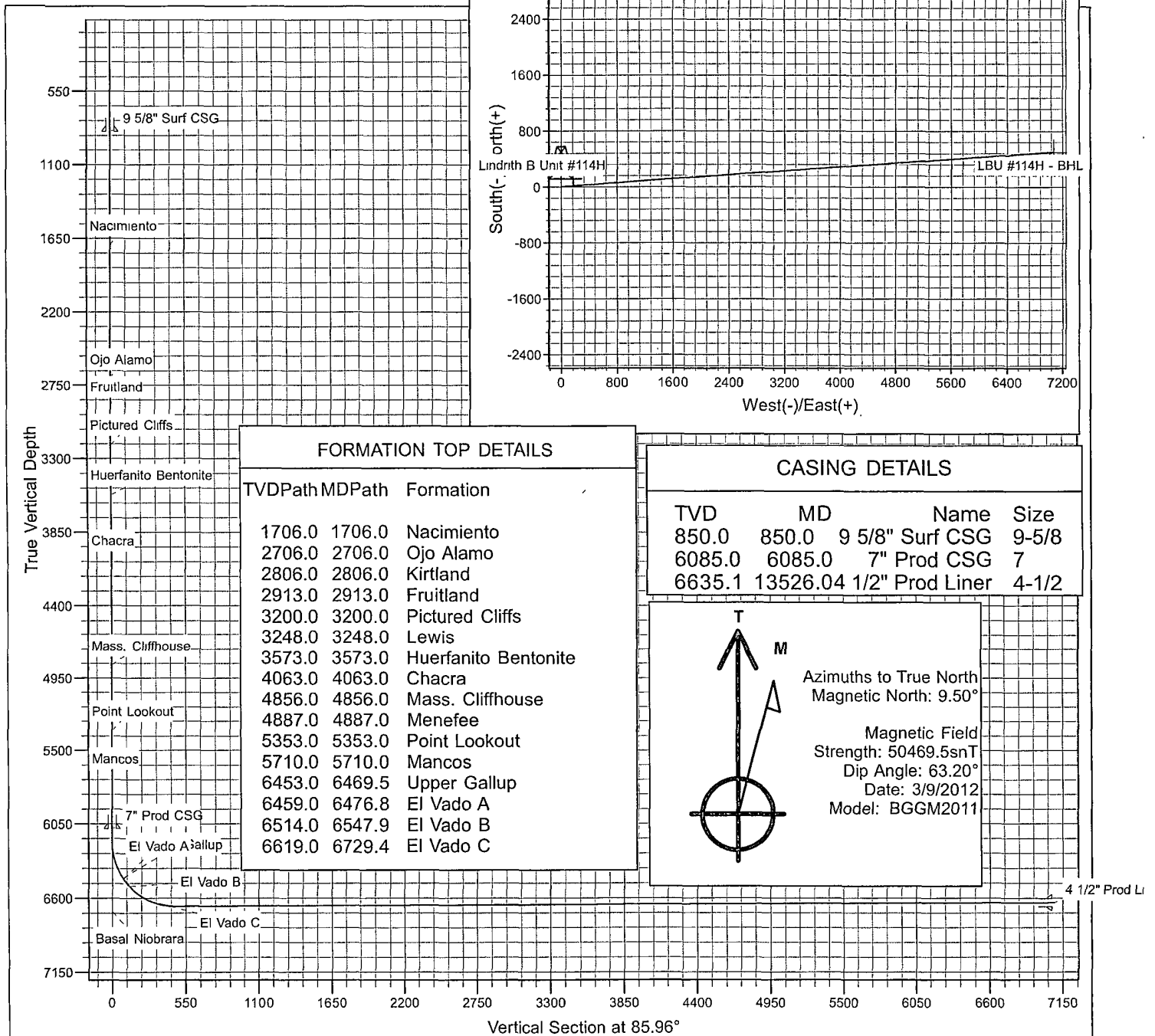
REFERENCE INFORMATION

KB @ 6976.0ft (AWS920)
Ground Elevation 6961.0
Reference Lat: 36° 19' 34.051 N
Reference Long: 107° 9' 4.108 W

Project: San Juan Basin - New Mexico West Wells
Site: Other Named Wells
Well: Lindrith B Unit #114H
Wellbore: Original Wellbore
Design: 12 deg build - APD Rev.2

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	6185.2	0.00	0.00	6185.2	0.0	0.0	0.00	0.00	0.0	
3	6937.2	90.24	85.96	6662.7	33.8	478.3	12.00	85.96	479.5	
	413546.1	90.24	85.96	6635.0	499.5	7070.6	0.00	0.00	7088.2	LBU #114H - BHL



BOPE & Choke Manifold Schematic