submitted in lieu of Form 3160-5

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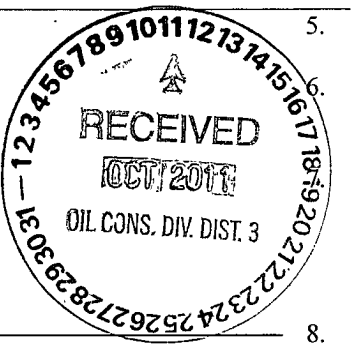
OCT 06 2011

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**
   Unit C (NENW), 660' FNL & 2080' FWL, Section 21, T24N, R3W, NMPM

5. **Lease Number**
   SF-078913

6. **If Indian, All. or Tribe Name**

Unit Agreement Name
Lindrith B Unit

8. **Well Name & Number**
   Lindrith B Unit 31

9. **API Well No.**
   30-039-23968

10. **Field and Pool**
    W. Lindrith Gallup DK

11. **County and State**
    Rio Arriba, 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 –	Side Track & Core
	___ Recompletion	___ New Construction		
___ Subsequent Report	___ Plugging	___ Non-Routine Fracturing		
	___ Casing Repair	___ Water Shut off		
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection		

13. Describe Proposed or Completed Operations

ConocoPhillips Company requests permission to sidetrack the subject well for coring purposes per the attached procedure, directional drill plan and plot.

CONFIDENTIAL

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

Signed Crystal Tafoya Crystal Tafoya Title Staff Regulatory Technician Date 10/5/11

(This space for Federal or State Office use)
APPROVED BY Original Signed: Stephen Mason Title _____ Date OCT 06 2011
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

Lindrith B Unit #31
Side Track & Coring Proposal

Project Scope and Overview

ConocoPhillips proposes to sidetrack out of the currently producing Lindrith B Unit 31 in order to collect reservoir data (logs, cores, etc). Operations will include:

- Preparing the wellbore for sidetrack operations;
- Sidetracking out of 9-5/8" casing in original well.
- Data collection reservoir data; and
- Plugging back the sidetrack and restore the original wellbore to production.

ConocoPhillips requests to keep the sundry, the operations, and the data collected classified as tight hole.

Implementation Overview

A completion (or workover) rig and a drilling rig will be utilized to perform the required work. The work preformed will be engineered and implemented with the following overlaying objectives in mind:

- Ensure the safety of personnel involved in the work and protect the environment and surrounding area.
- Create isolation of the sidetrack to the original well bore for subsequent operations: sidetracking, coring, and logging operations. This will minimize operational problems caused by communication between zones/formations.
- Collect quality data that will allow ConocoPhillips to efficiently, effectively, and safely develop possible resources/reserves in the future.
- Abandon (plug back) side track and restore integrity to the originally wellbore to allow for continued production out of original wellbore.

Wellbore Prep Work

- Move in completions/workover rig and rig up. Nipple up BOPE.
- Pull tubing.
- Pressure test casing.
- Perform squeeze work as needed to create isolation across the joint of casing the window will be cut.
- Set CBP for whipstock.
- Rig down and move off.

Sidetrack and Data Gathering

Sidetrack

- Move in and rig up. Nipple up BOPE (see BOPE Schematic section for further detail).
- Set whipstock and mill window. Btm of window @ +/- 5735'.
- Circulate WBM with OBM. The WBM may be circulated out of the hole after drilling the sidetrack to create separation of sidetrack and original wellbore before changing out mud systems.
- Directionally drill 8-1/2" side track hole back to vertical (as per directional plan) to top of coring section.
- A FIT (formation integrity test) will be preformed prior to circ out WMB to help understand MW requirements for OBM.

Data Collection

- Core formation through desired zones, primary zones of interest are (footages are approximates):
  - Zone 1: 6441' – 6770' (TVD);
  - Zone 2: 7040' – 7192' (TVD); and
  - Zone 3: 7240' – 7369' (TVD).

  Depending on coring technique (conventional or wireline recovery) and coring operations, formation between "zones of interest" may be drilled with drill bit or may be cored.

  Mud loggers will be on location helping correlate different sections and collecting cuttings for further analysis.
- The sidetrack will be TD'd at +/- 7450' (TVD) to accommodate extra footage for logging tools.
- Run the following logs:
  - Trip Combo

- Di-pole sonic
- FMI
- ECS
- Specral Gamma Ray

Abandon Sidetrack

- Pull whipstock.
- TIH with bent joint to bottom of sidetrack and circulate out OBM with WBM.
- Abandon sidetrack by pumping a balanced plug 30' below window (in sidetrack) and to cement up sidetrack and window in original well. (Repeat balanced plug operations as required to insure isolation from sidetracked wellbore.
- Set RBP's for barrier (to remove BOPE)
- Nipple down and rig down.

Post Wellbore Work

- Move in completions/workover rig and rig up. Nipple up BOPE.
- Pull RBP's.
- Perform any remedial cement work to abandon sidetrack and isolate original wellbore.
- Run tubing.
- Rig down and move off.

Mud Program.

Both WBM (water based mud) and OBM (oil based mud) will be utilized during the sidetrack/coring operations. OBM will be utilized to ensure "Mancos" formation stays stable (and not react with water) and to improve the success of the core recovery and quality of the core collected.

WBM

Operations: WBM will be utilized to cut window and start sidetrack
Description: The WBM will be either a LSND or a Gel-based mud.

OBM

Operations: OBM will be utilized to drill the sidetrack, cut the cores, and log the well. The OBM will be circulated out of the hole after coring and logging operations are complete.
Description: The OBM will be a 90/10 ratio of diesel (90%) and CaCl (Calcium Cloride) (10%).

Pit Program.

Closed loop equipment will be utilized on surface to handle all fluids. All OBM (diesel and CaCl) will be captured on surface and disposed/transported appropriately. Separate storage tanks (most likely frac tanks) will be utilized to store the WBM and OBM separate from each other.

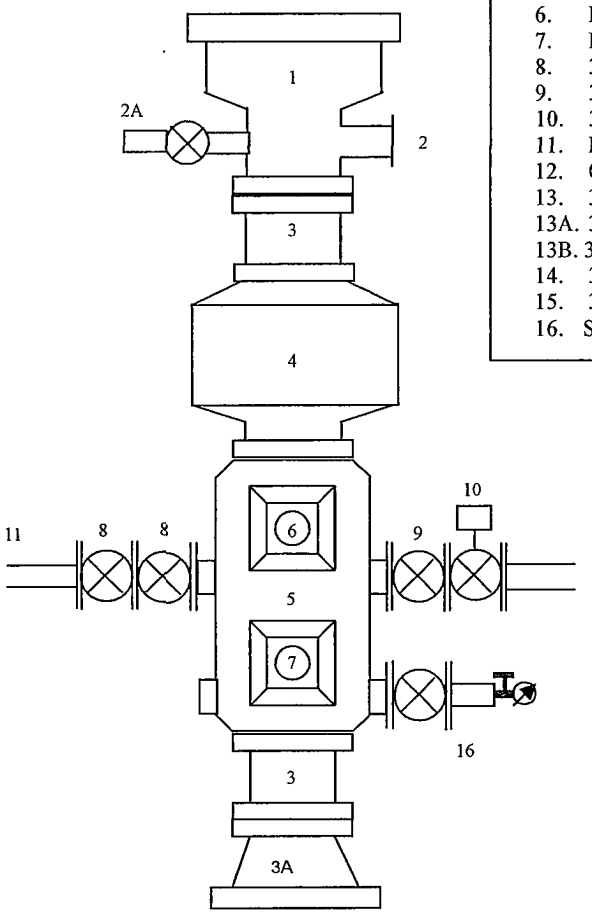
Directional Program:

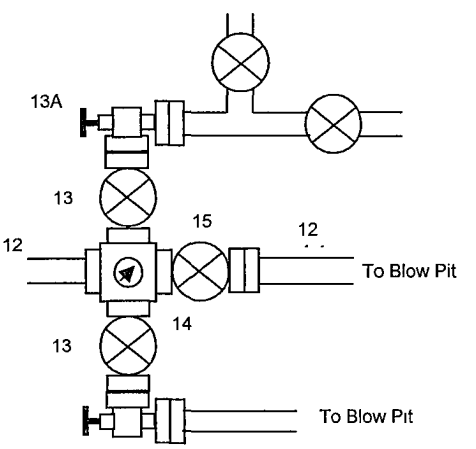
See attached directional program.

BOPE Schematic

Drilling Rig Schematic

1. Rotating Head
2. Flow line
2A. Fill up line and valve
3. Spacer Spools (as needed)
3A. Adapter Spool (13-5/8" x 11")
4. 11" 3M Annular Preventer
5. 11" 3M Double Ram Preventer
6. Blind Rams
7. Pipe Rams
8. 3M Gate Valves (2")
9. 3M gate Valve (3")
10. 3M HCR Valve (3")
11. Kill Line Connection
12. Choke Line (3" Hardline or Co-Flex)
13. 3M Valve (2")
13A. 3M Adjustable Choke (2")
13B. 3M Adjustable or Fixed Choke (2")
14. 3M Studded Cross & Manifold gauge
15. 3M Panic Line Valve (3")
16. Secondary outlet with valve, bull plug, needle valve, and pressure gauge





ConocoPhillips SJBU

SJBU Design Work
Ben Tolman
Sidetrack

Sidetrack

Plan: Design #1

Standard Planning Report

29 September, 2011

Database:	EDM Central Planning TEST	**Local Co-ordinate Reference:**	Well Sidetrack
Company:	ConocoPhillips SJBU	**TVD Reference:**	WELL (copy) @ 7151.0usft (Original Well Elev)
Project:	SJBU Design Work	**MD Reference:**	WELL (copy) @ 7151 0usft (Original Well Elev)
Site:	Ben Tolman	**North Reference:**	Grid
Well:	Sidetrack	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Sidetrack		
Design:	Design #1		

Project	SJBU Design Work, Colorado		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		Using geodetic scale factor

Site	Ben Tolman				
Site Position:		**Northing:**	0 00 usft	**Latitude:**	33° 29' 20.500 N
From:	Map	**Easting:**	0 00 usft	**Longitude:**	115° 19' 49.008 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	-6.03 °

Well	Sidetrack					
Well Position	**+N/-S**	0 0 usft	**Northing:**	871,312 84 usft	**Latitude:**	36° 18' 4 637 N
	+E/-W	0.0 usft	**Easting:**	2,509,745 14 usft	**Longitude:**	107° 9' 47.736 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	7,136.0 usft

Wellbore	Sidetrack				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	User Defined	9/28/2011	0 00	0.00	0

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0 0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	270 00	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0 00	0 0	0.0	0 0	0 00	0 00	0 00	0.00	
5,735.0	0.00	270 00	5,735 0	0.0	0.0	0.00	0.00	0 00	270 00	
6,046 1	14.00	270.00	6,043 0	0.0	-37.8	4.50	4.50	0.00	-90.00	
6,136.1	14.00	270.00	6,130.4	0.0	-59 6	0.00	0 00	0 00	0 00	
6,416 1	0 00	270 00	6,407 6	0 0	-93.6	5 00	-5 00	0 00	180 00	
7,458.5	0 00	270 00	7,450.0	0 0	-93.6	0 00	0.00	0.00	270.00	

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Site:	Ben Tolman	**North Reference:**	Grid
Well:	Sidetrack	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Sidetrack		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,700.0	0 00	270.00	5,700 0	0 0	0 0	0.0	0.00	0 00	0 00
5,717.0	0 00	270.00	5,717.0	0.0	0 0	0.0	0 00	0.00	0 00
Mancos									
5,735.0	0 00	270.00	5,735 0	0.0	0.0	0 0	0.00	0.00	0.00
BTM OF WINDO									
5,800.0	2 92	270.00	5,800 0	0 0	-1.7	1 7	4.50	4 50	0.00
5,900.0	7.42	270.00	5,899.5	0 0	-10 7	10 7	4.50	4 50	0.00
6,000.0	11 92	270.00	5,998 1	0 0	-27 5	27.5	4.50	4.50	0 00
6,046 1	14 00	270.00	6,043 0	0 0	-37.8	37.8	4 50	4 50	0.00
6,100.0	14 00	270.00	6,095 3	0 0	-50 9	50.9	0.00	0 00	0.00
6,136.1	14.00	270 00	6,130 4	0.0	-59 6	59.6	0 00	0.00	0 00
6,200.0	10.81	270.00	6,192.7	0 0	-73 3	73.3	5 00	-5 00	0.00
6,300.0	5.81	270 00	6,291 7	0 0	-87 8	87.8	5 00	-5 00	0.00
6,339.5	3 83	270.00	6,331 0	0 0	-91.1	91.1	5.00	-5 00	0.00
El Vado									
6,400.0	0 81	270 00	6,391 5	0 0	-93.5	93 5	5.00	-5.00	0 00
6,416 1	0 00	270.00	6,407.6	0.0	-93.6	93.6	5 00	-5 00	0.00
6,500 0	0.00	270 00	6,491.5	0.0	-93.6	93.6	0 00	0.00	0 00
6,600.0	0 00	270.00	6,591.5	0.0	-93.6	93 6	0.00	0 00	0.00
6,700 0	0 00	270 00	6,691.5	0.0	-93 6	93 6	0 00	0.00	0 00
6,720.5	0 00	270 00	6,712 0	0 0	-93.6	93.6	0.00	0 00	0.00
Basal Niobrara									
6,800.0	0 00	270.00	6,791.5	0 0	-93 6	93.6	0 00	0 00	0 00
6,900 0	0 00	270 00	6,891.5	0 0	-93 6	93.6	0 00	0.00	0 00
7,000 0	0 00	270.00	6,991.5	0 0	-93 6	93.6	0.00	0 00	0 00
7,082 5	0 00	270 00	7,074 0	0.0	-93.6	93 6	0 00	0.00	0 00
Juana Lopez									
7,100 0	0 00	270.00	7,091.5	0.0	-93 6	93 6	0 00	0.00	0 00
7,200 0	0 00	270 00	7,191.5	0.0	-93 6	93.6	0.00	0.00	0.00
7,300 0	0.00	270 00	7,291.5	0.0	-93.6	93.6	0.00	0.00	0.00
7,353 5	0 00	270 00	7,345.0	0.0	-93.6	93.6	0.00	0.00	0.00
Graneros									
7,400 0	0 00	270 00	7,391.5	0 0	-93.6	93.6	0 00	0.00	0 00

5,735 0	5,735.0	BTM OF WINDO	8-1/2

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,360 0	5,360.0	Point Lookout	SAND	0.00	
5,717.0	5,717.0	Mancos		0 00	
4,922 0	4,922.0	Menefee		0 00	
6,720.5	6,712.0	Basal Niobrara		0 00	
7,353.5	7,345.0	Graneros		0.00	
6,339.5	6,331.0	El Vado		0.00	
7,082 5	7,074.0	Juana Lopez		0 00	
4,866 0	4,866.0	Cliffhouse		0 00	

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Site:	Ben Tolman	**North Reference:**	Grid
Well:	Sidetrack	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Sidetrack		
Design:	Design #1		

Plan Annotations

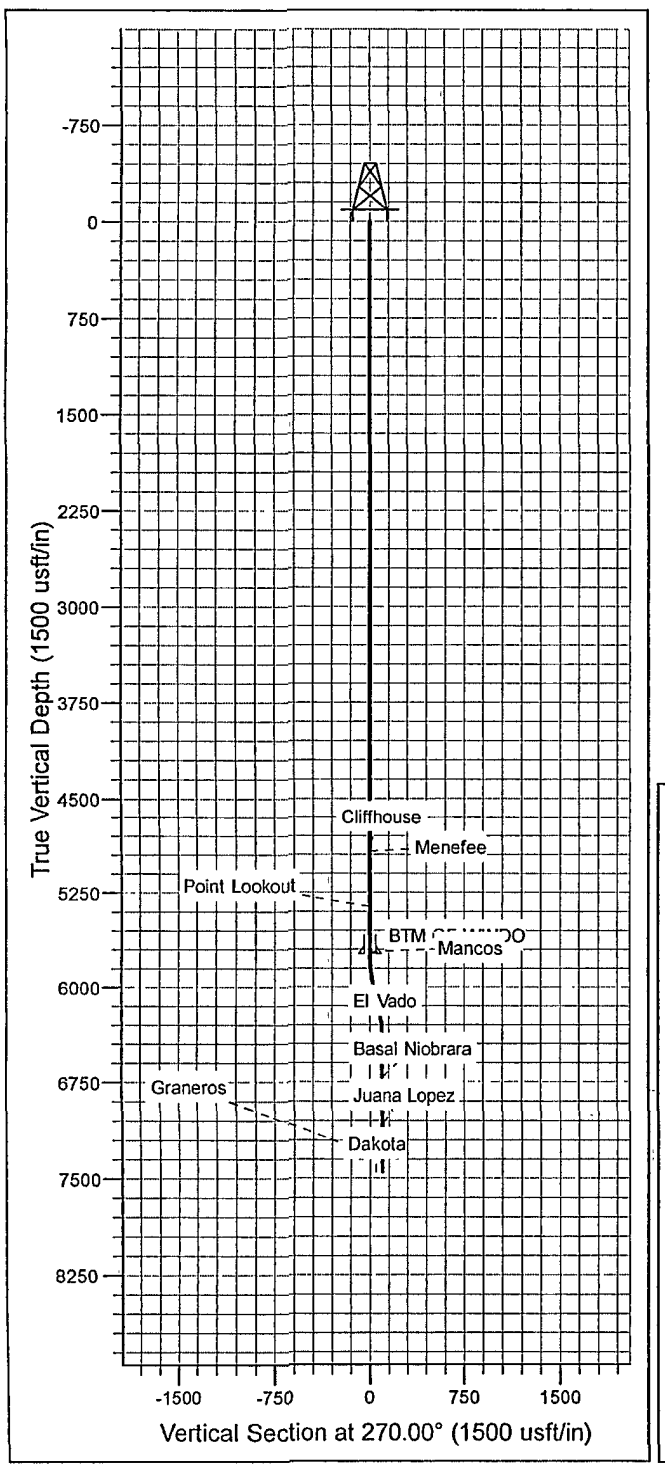
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,735 0	5,735 0	0 0	0.0	BTM OF WINDOW, KOP

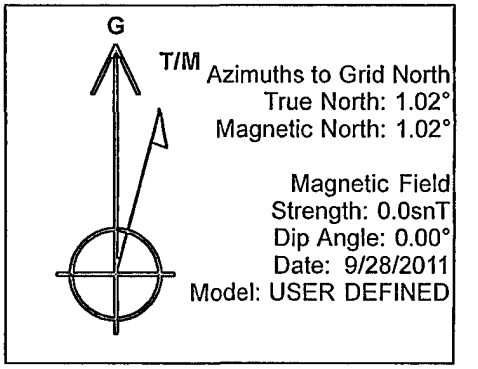
REFERENCE INFORMATION	Project: SJBU Design Work
WELL @ (Original Well Elev)	Site: Ben Tolman
Ground Elevation 7136.0	Well: Lindrith B Unit #31
Reference Lat: 36° 18' 4.637 N	Wellbore: Sidetrack
Reference Long: 107° 9' 47.736 W	Design: Design #1

ConocoPhillips

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5735.0	0.00	270.00	5735.0	0.0	0.0	0.00	270.00	0.0	
3	6046.1	14.00	270.00	6043.0	0.0	-37.8	4.50	-90.00	37.8	
4	6136.1	14.00	270.00	6130.4	0.0	-59.6	0.00	0.00	59.6	
5	6416.1	0.00	270.00	6407.6	0.0	-93.6	5.00	180.00	93.6	
6	7458.5	0.00	270.00	7450.0	0.0	-93.6	0.00	270.00	93.6	





FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
4866.0	4866.0	Cliffhouse	0.00	
4922.0	4922.0	Menefee	0.00	
5360.0	5360.0	Point Lookout	0.00	
5717.0	5717.0	Mancos	0.00	
6331.0	6339.5	El Vado	0.00	
6712.0	6720.5	Niobrara	0.00	
7074.0	7082.5	Juana Lopez	0.00	
7345.0	7353.5	Graneros	0.00