

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

JUN 10

File Serial No.
NM 28748

6. If Indian, Allottee or Tribe Name

N/A

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned 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.

N/A

2. Name of Operator

Encana Oil & Gas (USA) Inc.

8. Well Name and No.

Lybrook H26-2307 02H

3a. Address

370 17th Street, Suite 1700
Denver, CO 80202

3b. Phone No. (include area code)

720-876-5331

10. Field and Pool or Exploratory Area

Basin Mancos

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 2227' FNL and 357' FEL Section 26, Township 23 North, Range 7 West
BHL: 1550' FNL and 330' FWL Section 26, Township 23 North, Range 7 West

11. County or Parish, State

Sandoval County, 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 Updated Drilling Plan
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recomple 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 recomple 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.)

Encana Oil & Gas (USA) Inc. (Encana) submitted a sundry for plugging back and side-tracking the Lybrook H26-2307 02H well on 2/12/2014. Encana is providing an updated diagram of the Cathedral Directional Drilling Plan which reflects a 2-foot higher KOP and 1-foot MD deeper TD than what was previously submitted. Regardless, all Operational items submitted with the sundry on 02/12/14 are correct.

OIL CONS. DIV DIST. 3

JUN 16 2014

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

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Holly Hill

Title Senior Regulatory Analyst

Signature

Date 06/09/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salyers

Title

Petroleum Engineer

Date

6/12/2014

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

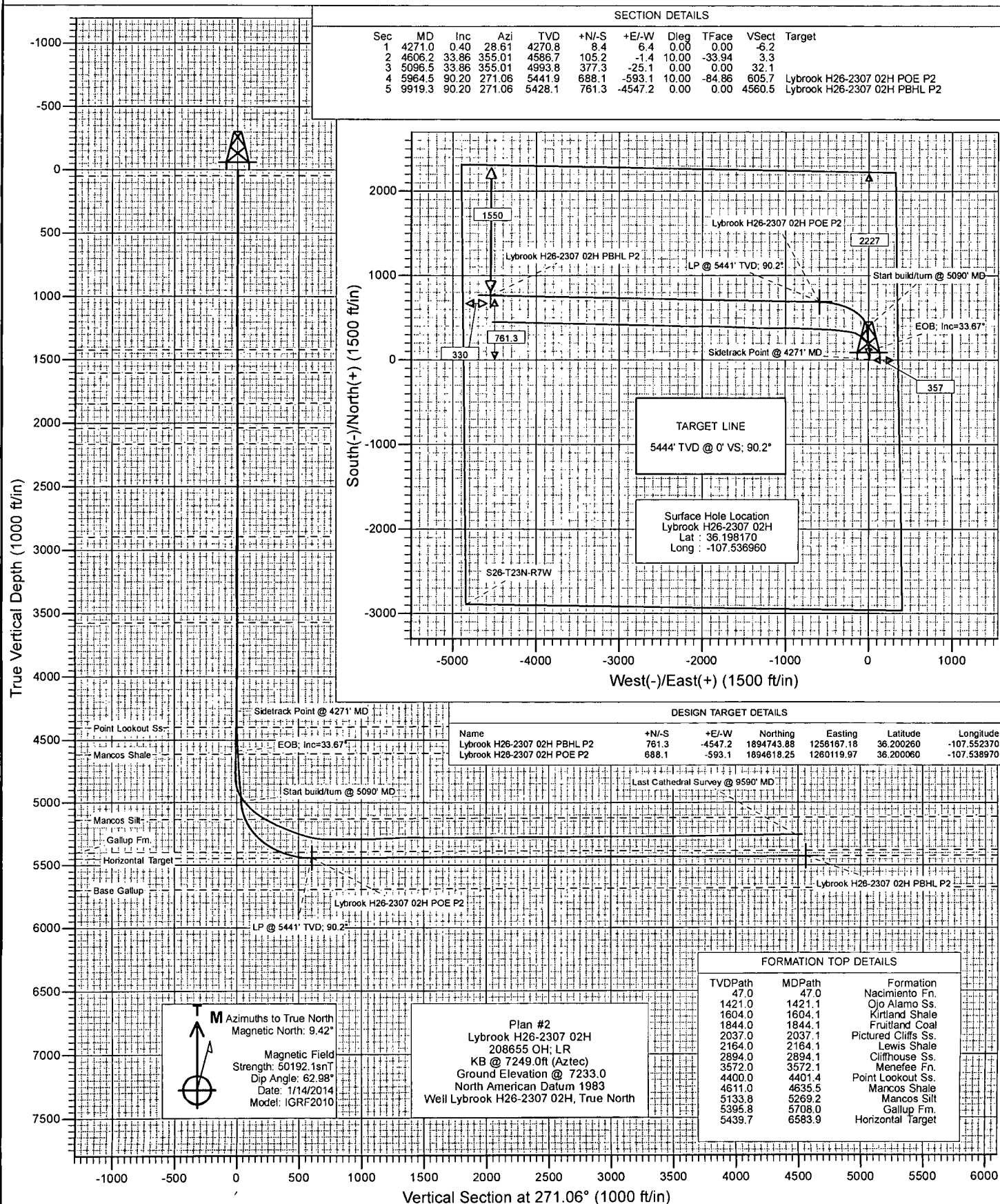
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOC DAV



Project: Sandoval County, NM
 Site: Lybrook
 Well: Lybrook H26-2307 02H
 Wellbore: STK
 Design: Plan #2



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 7249.0ft (Aztec)
Project:	Sandoval County, NM	MD Reference:	KB @ 7249.0ft (Aztec)
Site:	Lybrook	North Reference:	True
Well:	Lybrook H26-2307 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	STK		
Design:	Plan #2		

Project	Sandoval County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Lybrook				
Site Position:		Northing:	1,882,676.45 ft	Latitude:	36.168210
From:	Lat/Long	Easting:	1,287,068.90 ft	Longitude:	-107.447150
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.71 °

Well	Lybrook H26-2307 02H					
Well Position	+N/-S	0.0 ft	Northing:	1,893,922.34 ft	Latitude:	36.198170
	+E/-W	0.0 ft	Easting:	1,260,703.90 ft	Longitude:	-107.536960
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,233.0 ft	

Wellbore	STK				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/14/2014	9.42	62.98	50,192

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	4,271.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	271.06	

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
4,271.0	0.40	28.61	4,270.8	8.4	6.4	0.00	0.00	0.00	0.00	
4,606.2	33.86	355.01	4,586.7	105.2	-1.4	10.00	9.98	-10.02	-33.94	
5,096.5	33.86	355.01	4,993.8	377.3	-25.1	0.00	0.00	0.00	0.00	
5,964.5	90.20	271.06	5,441.9	688.1	-593.1	10.00	6.49	-9.67	-84.86	Lybrook H26-2307 02
9,919.3	90.20	271.06	5,428.1	761.3	-4,547.2	0.00	0.00	0.00	0.00	Lybrook H26-2307 02

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 7249.0ft (Aztec)
Project:	Sandoval County, NM	MD Reference:	KB @ 7249.0ft (Aztec)
Site:	Lybrook	North Reference:	True
Well:	Lybrook H26-2307 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	STK		
Design:	Plan #2		

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)	Comments / Formations
4,271.0	0.40	28.61	4,270.8	8.4	6.4	-6.2	0.00	0.00	Sidetrack Point @ 4271' MD
4,300.0	3.24	358.66	4,299.8	9.3	6.4	-6.2	10.00	9.79	
4,400.0	13.24	355.64	4,398.7	23.5	5.5	-5.0	10.00	9.99	
4,401.4	13.38	355.63	4,400.0	23.9	5.4	-5.0	10.00	10.00	Point Lookout Ss.
4,500.0	23.24	355.20	4,493.5	54.7	2.9	-1.9	10.00	10.00	
4,600.0	33.24	355.02	4,581.5	101.8	-1.1	3.0	10.00	10.00	
4,604.3	33.67	355.02	4,585.1	104.2	-1.3	3.2	10.00	10.00	EOB; Inc=33.67°
4,606.2	33.86	355.01	4,586.7	105.2	-1.4	3.3	10.00	10.00	
4,635.5	33.86	355.01	4,611.0	121.4	-2.8	5.1	0.00	0.00	Mancos Shale
4,700.0	33.86	355.01	4,664.6	157.3	-5.9	8.8	0.00	0.00	
4,800.0	33.86	355.01	4,747.6	212.8	-10.8	14.7	0.00	0.00	
4,900.0	33.86	355.01	4,830.6	268.3	-15.6	20.6	0.00	0.00	
5,000.0	33.86	355.01	4,913.7	323.8	-20.5	26.5	0.00	0.00	
5,090.5	33.86	355.01	4,988.8	374.0	-24.8	31.8	0.00	0.00	Start build/turn @ 5090' MD
5,096.5	33.86	355.01	4,993.8	377.3	-25.1	32.1	0.00	0.00	
5,100.0	33.89	354.39	4,996.7	379.3	-25.3	32.3	10.00	0.94	
5,200.0	36.11	337.34	5,078.8	434.3	-39.4	47.5	10.00	2.21	
5,269.2	38.91	326.93	5,133.8	471.4	-59.2	67.9	10.00	4.05	Mancos Silt
5,300.0	40.43	322.73	5,157.5	487.5	-70.5	79.5	10.00	4.93	
5,400.0	46.26	310.86	5,230.3	537.0	-117.6	127.5	10.00	5.83	
5,500.0	53.09	301.26	5,295.1	581.5	-179.2	189.9	10.00	6.83	
5,600.0	60.56	293.31	5,349.8	619.6	-253.6	265.0	10.00	7.47	
5,700.0	68.44	286.47	5,392.9	650.1	-338.4	350.3	10.00	7.88	
5,708.0	69.08	285.97	5,395.8	652.2	-345.5	357.5	10.00	8.03	Gallup Fm.
5,800.0	76.57	280.36	5,422.9	672.1	-431.0	443.4	10.00	8.14	
5,900.0	84.83	274.65	5,439.1	684.9	-528.8	541.3	10.00	8.27	
5,962.5	90.03	271.17	5,441.9	688.1	-591.1	603.8	10.00	8.31	LP @ 5441' TVD; 90.2°
5,964.5	90.20	271.06	5,441.9	688.1	-593.1	605.7	10.00	8.32	
6,000.0	90.20	271.06	5,441.8	688.8	-628.6	641.2	0.00	0.00	
6,100.0	90.20	271.06	5,441.4	690.6	-728.6	741.2	0.00	0.00	
6,200.0	90.20	271.06	5,441.1	692.5	-828.5	841.2	0.00	0.00	
6,300.0	90.20	271.06	5,440.7	694.3	-928.5	941.2	0.00	0.00	
6,400.0	90.20	271.06	5,440.4	696.2	-1,028.5	1,041.2	0.00	0.00	
6,500.0	90.20	271.06	5,440.0	698.0	-1,128.5	1,141.2	0.00	0.00	
6,583.9	90.20	271.06	5,439.7	699.6	-1,212.4	1,225.1	0.00	0.00	Horizontal Target
6,600.0	90.20	271.06	5,439.7	699.9	-1,228.5	1,241.2	0.00	0.00	
6,700.0	90.20	271.06	5,439.3	701.7	-1,328.5	1,341.2	0.00	0.00	
6,800.0	90.20	271.06	5,439.0	703.6	-1,428.4	1,441.2	0.00	0.00	
6,900.0	90.20	271.06	5,438.6	705.4	-1,528.4	1,541.2	0.00	0.00	
7,000.0	90.20	271.06	5,438.3	707.3	-1,628.4	1,641.2	0.00	0.00	
7,100.0	90.20	271.06	5,437.9	709.1	-1,728.4	1,741.2	0.00	0.00	
7,200.0	90.20	271.06	5,437.6	711.0	-1,828.4	1,841.2	0.00	0.00	
7,300.0	90.20	271.06	5,437.2	712.8	-1,928.4	1,941.2	0.00	0.00	
7,400.0	90.20	271.06	5,436.9	714.7	-2,028.3	2,041.2	0.00	0.00	
7,500.0	90.20	271.06	5,436.5	716.5	-2,128.3	2,141.2	0.00	0.00	
7,600.0	90.20	271.06	5,436.2	718.4	-2,228.3	2,241.2	0.00	0.00	
7,700.0	90.20	271.06	5,435.8	720.2	-2,328.3	2,341.2	0.00	0.00	
7,800.0	90.20	271.06	5,435.5	722.1	-2,428.3	2,441.2	0.00	0.00	
7,900.0	90.20	271.06	5,435.1	723.9	-2,528.2	2,541.2	0.00	0.00	
8,000.0	90.20	271.06	5,434.8	725.8	-2,628.2	2,641.2	0.00	0.00	
8,100.0	90.20	271.06	5,434.4	727.6	-2,728.2	2,741.2	0.00	0.00	
8,200.0	90.20	271.06	5,434.1	729.5	-2,828.2	2,841.2	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB @ 7249.0ft (Aztec)
Project:	Sandoval County, NM	MD Reference:	KB @ 7249.0ft (Aztec)
Site:	Lybrook	North Reference:	True
Well:	Lybrook H26-2307 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	STK		
Design:	Plan #2		

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)	Comments / Formations
8,300.0	90.20	271.06	5,433.7	731.3	-2,928.2	2,941.2	0.00	0.00	
8,400.0	90.20	271.06	5,433.4	733.2	-3,028.2	3,041.2	0.00	0.00	
8,500.0	90.20	271.06	5,433.0	735.0	-3,128.1	3,141.2	0.00	0.00	
8,600.0	90.20	271.06	5,432.7	736.9	-3,228.1	3,241.2	0.00	0.00	
8,700.0	90.20	271.06	5,432.3	738.7	-3,328.1	3,341.2	0.00	0.00	
8,800.0	90.20	271.06	5,432.0	740.6	-3,428.1	3,441.2	0.00	0.00	
8,900.0	90.20	271.06	5,431.7	742.4	-3,528.1	3,541.2	0.00	0.00	
9,000.0	90.20	271.06	5,431.3	744.3	-3,628.0	3,641.2	0.00	0.00	
9,100.0	90.20	271.06	5,431.0	746.1	-3,728.0	3,741.2	0.00	0.00	
9,200.0	90.20	271.06	5,430.6	748.0	-3,828.0	3,841.2	0.00	0.00	
9,300.0	90.20	271.06	5,430.3	749.8	-3,928.0	3,941.2	0.00	0.00	
9,400.0	90.20	271.06	5,429.9	751.7	-4,028.0	4,041.2	0.00	0.00	
9,500.0	90.20	271.06	5,429.6	753.5	-4,128.0	4,141.2	0.00	0.00	
9,600.0	90.20	271.06	5,429.2	755.4	-4,227.9	4,241.2	0.00	0.00	
9,700.0	90.20	271.06	5,428.9	757.2	-4,327.9	4,341.2	0.00	0.00	
9,800.0	90.20	271.06	5,428.5	759.1	-4,427.9	4,441.2	0.00	0.00	
9,900.0	90.20	271.06	5,428.2	760.9	-4,527.9	4,541.2	0.00	0.00	
9,919.3	90.20	271.06	5,428.1	761.3	-4,547.2	4,560.5	0.00	0.00	

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Lybrook H26-2307 02H I - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	5,428.1	761.3	-4,547.2	1,894,743.88	1,256,167.18	36.200260	-107.552370
Lybrook H26-2307 02H I - plan hits target center - Point	0.00	0.00	5,441.9	688.1	-593.1	1,894,618.25	1,260,119.97	36.200060	-107.538970
Lybrook H26-2307 02H I - plan misses target center by 9.9ft at 6058.8ft MD (5441.6 TVD, 689.9 N, -687.4 E) - Point	0.00	0.00	5,442.0	680.0	-687.6	1,894,611.40	1,260,025.43	36.200038	-107.539290
Lybrook H26-2307 02H I - plan misses target center by 4.8ft at 9919.3ft MD (5428.1 TVD, 761.3 N, -4547.2 E) - Point	0.00	0.00	5,430.1	757.0	-4,548.0	1,894,739.61	1,256,166.35	36.200248	-107.552373

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: Sandoval County, NM
Site: Lybrook
Well: Lybrook H26-2307 02H
Wellbore: STK
Design: Plan #2

Local Co-ordinate Reference: Well Lybrook H26-2307 02H
TVD Reference: KB @ 7249.0ft (Aztec)
MD Reference: KB @ 7249.0ft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
47.0	47.0	Nacimiento Fn.		-0.20	271.10
1,421.1	1,421.0	Ojo Alamo Ss.		-0.20	271.10
1,604.1	1,604.0	Kirtland Shale		-0.20	271.10
1,844.1	1,844.0	Fruitland Coal		-0.20	271.10
2,037.1	2,037.0	Pictured Cliffs Ss.		-0.20	271.10
2,164.1	2,164.0	Lewis Shale		-0.20	271.10
2,894.1	2,894.0	Cliffhouse Ss.		-0.20	271.10
3,572.1	3,572.0	Menefee Fn.		-0.20	271.10
4,401.4	4,400.0	Point Lookout Ss.		-0.20	271.10
4,635.5	4,611.0	Mancos Shale		-0.20	271.10
5,269.2	5,134.0	Mancos Silt		-0.20	271.10
5,708.0	5,397.0	Gallup Fm.		-0.20	271.10
6,583.9	5,444.0	Horizontal Target		-0.20	271.10

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,271.0	4,270.8	8.4	6.4	Sidetrack Point @ 4271' MD
4,604.3	4,585.1	104.3	-0.1	EOB; Inc=33.67°
5,090.5	4,989.7	373.1	-20.0	Start build/turn @ 5090' MD
5,962.5	5,441.9	685.3	-588.0	LP @ 5441' TVD; 90.2°
9,922.5	5,428.1	761.3	-4,547.2	TD at 9922.5

EnCana Oil & Gas (USA) Inc

Sandoval County, NM

Lybrook

Lybrook H26-2307 02H

STK

Plan #2

Anticollision Report

03 February, 2014

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Project:	Sandoval County, NM	TVD Reference:	KB @ 7249.0ft (Aztec)
Reference Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lybrook H26-2307 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	STK	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	Stations
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 500.0ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program	Date	2/3/2014
From (ft)	To (ft)	Survey (Wellbore)
530.0	4,271.0	Survey #1 (OH)
4,271.0	9,919.3	Plan #2 (STK)
		Tool Name
		MWD
		Geolink MWD
		Description
		Geolink MWD

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
	(ft)	(ft)	(ft)	(ft)		
Lybrook						
Lybrook H26-2307 02H - OH - SURVEYS	4,271.0	4,269.0	0.0	0.0	0.000	Level 1, CC, ES, SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Project:	Sandoval County, NM	TVD Reference:	KB @ 7249.0ft (Aztec)
Reference Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lybrook H26-2307 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	STK	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Lybrook - Lybrook H26-2307 02H - OH - SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 528-MWD														Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Total		Separation		Warning					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor			
4,271.0	4,270.8	4,269.0	4,268.8	0.0	0.0	0.00	8.4	6.4	0.0	0.0	0.00	0.000	Level 1, CC, ES, SF		
4,284.7	4,284.5	4,282.7	4,282.5	0.0	0.0	172.80	8.4	6.4	0.2	0.1	0.04	3.702			
4,300.0	4,299.8	4,298.0	4,297.8	0.1	0.0	175.89	8.5	6.5	0.7	0.6	0.10	7.527			
4,350.0	4,349.5	4,347.8	4,347.6	0.1	0.1	178.02	8.8	6.7	5.5	5.2	0.28	19.644			
4,400.0	4,398.7	4,397.0	4,396.8	0.2	0.2	178.39	9.2	7.0	14.4	13.9	0.47	30.352			
4,450.0	4,446.8	4,445.2	4,445.0	0.4	0.3	178.64	9.7	7.2	27.5	26.8	0.69	40.057			
4,500.0	4,493.5	4,492.3	4,492.1	0.5	0.4	178.92	10.2	7.5	44.7	43.8	0.91	49.342			
4,550.0	4,538.5	4,544.0	4,543.8	0.6	0.5	178.93	12.9	7.7	64.1	63.0	1.15	55.977			
4,600.0	4,581.5	4,599.5	4,598.3	0.9	0.6	178.25	22.9	8.1	81.7	80.2	1.41	58.060			
4,606.2	4,586.7	4,606.2	4,604.8	0.9	0.6	178.12	24.4	8.2	83.8	82.3	1.44	58.151			
4,700.0	4,664.6	4,712.2	4,704.8	1.4	0.9	175.05	58.7	11.9	108.7	106.7	1.98	54.791			
4,800.0	4,747.6	4,831.0	4,809.6	1.9	1.3	172.51	114.4	13.5	119.9	117.3	2.57	46.626			
4,900.0	4,830.6	4,947.7	4,902.6	2.5	1.9	178.58	181.9	-5.3	114.1	111.1	3.10	36.875			
4,993.0	4,907.9	5,033.1	4,963.8	3.2	2.8	-166.54	231.6	-37.4	107.0	102.9	4.12	25.958			
5,000.0	4,913.7	5,038.8	4,967.8	3.2	2.9	-165.19	234.8	-40.2	107.0	102.8	4.25	25.209			
5,096.5	4,993.8	5,110.0	5,015.6	3.9	3.8	-147.20	270.1	-79.2	122.4	116.1	6.31	19.409			
5,100.0	4,996.7	5,113.8	5,018.1	3.9	3.9	-145.69	271.8	-81.5	123.5	117.0	6.43	19.204			
5,150.0	5,038.1	5,146.1	5,039.5	4.3	4.3	-130.37	285.4	-101.4	140.8	133.2	7.64	18.443			
5,200.0	5,078.8	5,179.5	5,060.7	4.8	4.7	-116.74	298.2	-123.9	161.1	152.2	8.88	18.135			
5,250.0	5,118.7	5,210.8	5,079.0	5.3	5.2	-105.22	309.0	-146.8	182.8	172.7	10.05	18.185			
5,300.0	5,157.5	5,237.0	5,094.0	5.8	5.5	-96.08	316.7	-166.9	205.5	194.4	11.07	18.565			
5,350.0	5,194.8	5,269.0	5,111.7	6.4	6.0	-88.29	324.0	-192.5	228.7	216.5	12.11	18.883			
5,400.0	5,230.3	5,301.0	5,128.3	7.1	6.4	-81.94	329.7	-219.2	251.6	238.5	13.08	19.234			
5,450.0	5,263.8	5,332.0	5,143.3	7.7	6.8	-76.75	334.3	-246.0	273.6	259.7	13.97	19.593			
5,500.0	5,295.1	5,364.0	5,157.8	8.4	7.2	-72.55	337.8	-274.3	294.5	279.8	14.77	19.944			
5,550.0	5,323.8	5,404.7	5,175.4	9.1	7.8	-69.25	341.5	-310.7	313.3	297.7	15.59	20.097			
5,600.0	5,349.8	5,449.9	5,194.1	9.9	8.4	-66.73	345.7	-351.7	329.1	312.7	16.37	20.097			
5,650.0	5,372.9	5,491.0	5,210.3	10.7	9.0	-64.86	349.6	-389.3	341.6	324.6	16.98	20.113			
5,700.0	5,392.9	5,529.3	5,224.2	11.5	9.6	-63.49	352.6	-424.9	351.8	334.4	17.43	20.187			
5,750.0	5,409.6	5,571.9	5,238.7	12.2	10.2	-62.73	355.6	-464.8	359.2	341.4	17.81	20.176			
5,800.0	5,422.9	5,614.0	5,252.5	13.0	10.8	-62.53	358.0	-504.5	363.9	345.8	18.06	20.149			
5,850.0	5,432.8	5,653.8	5,264.5	13.8	11.5	-62.77	359.8	-542.4	365.9	347.8	18.17	20.137			
5,900.0	5,439.1	5,695.6	5,275.3	14.6	12.2	-63.38	361.8	-582.7	365.3	347.1	18.24	20.033			
5,950.0	5,441.8	5,738.8	5,284.0	15.4	12.9	-64.31	364.0	-625.0	362.3	344.0	18.26	19.836			
5,964.5	5,441.9	5,751.4	5,286.0	15.7	13.1	-64.62	364.8	-637.3	360.8	342.6	18.26	19.761			
6,000.0	5,441.8	5,773.1	5,288.6	16.2	13.5	-64.95	366.0	-658.9	357.6	338.2	19.42	18.417			
6,100.0	5,441.4	5,858.2	5,291.9	17.9	15.1	-65.36	369.2	-743.9	353.9	330.8	23.16	15.281			
6,200.0	5,441.1	5,950.2	5,291.2	19.6	16.9	-65.20	372.7	-835.7	352.3	325.3	27.04	13.032			
6,220.2	5,441.0	5,968.6	5,291.1	20.0	17.3	-65.19	373.1	-854.1	352.3	324.5	27.83	12.659			
6,300.0	5,440.7	6,043.6	5,290.5	21.4	18.8	-65.16	374.1	-929.2	352.9	321.9	31.04	11.370			
6,400.0	5,440.4	6,139.2	5,290.8	23.3	20.8	-65.39	373.8	-1,024.8	354.6	319.3	35.21	10.069			
6,500.0	5,440.0	6,233.3	5,288.4	25.3	22.8	-65.27	372.8	-1,118.8	358.2	318.8	39.30	9.112			
6,600.0	5,439.7	6,337.2	5,284.1	27.3	25.1	-64.86	372.2	-1,222.6	361.9	318.4	43.53	8.313			
6,700.0	5,439.3	6,455.8	5,278.5	29.4	27.8	-64.00	376.2	-1,341.0	362.4	314.5	47.90	7.567			
6,800.0	5,439.0	6,559.6	5,278.6	31.6	30.2	-63.85	381.4	-1,444.7	359.4	307.2	52.21	6.884			
6,900.0	5,438.6	6,650.0	5,279.4	33.8	32.3	-63.94	384.0	-1,535.0	357.9	301.6	56.35	6.351			
7,000.0	5,438.3	6,752.6	5,279.1	36.0	34.7	-63.91	386.3	-1,637.6	357.5	296.8	60.73	5.887			
7,100.0	5,437.9	6,853.2	5,278.6	38.2	37.1	-63.78	389.9	-1,738.1	356.0	291.0	65.02	5.476			
7,200.0	5,437.6	6,951.6	5,277.5	40.5	39.4	-63.56	393.3	-1,836.5	354.9	285.7	69.20	5.129			
7,247.4	5,437.4	6,996.3	5,277.0	41.6	40.5	-63.47	394.5	-1,881.1	354.7	283.5	71.15	4.985			
7,300.0	5,437.2	7,044.8	5,276.7	42.8	41.6	-63.47	395.2	-1,929.6	355.0	281.6	73.35	4.840			
7,400.0	5,436.9	7,140.8	5,276.4	45.1	43.9	-63.61	395.0	-2,025.6	356.8	279.1	77.71	4.592			

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Lybrook H26-2307 02H
Project:	Sandoval County, NM	TVD Reference:	KB @ 7249.0ft (Aztec)
Reference Site:	Lybrook	MD Reference:	KB @ 7249.0ft (Aztec)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Lybrook H26-2307 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	STK	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Lybrook - Lybrook H26-2307 02H - OH - SURVEYS												Offset Site Error:	0.0 ft
Survey Program: 528-MWD												Offset Well Error:	0.0 ft
Reference	Offset	Semi Major Axis		Distance		Total		Separation		Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis		
7,500.0	5,436.5	7,245.5	5,276.5	47.4	46.4	-63.86	394.5	-2,130.3	358.8	276.4	82.35	4.357	
7,600.0	5,436.2	7,356.2	5,275.0	49.8	49.1	-63.60	398.0	-2,241.0	358.0	271.2	86.78	4.125	
7,700.0	5,435.8	7,453.8	5,274.2	52.1	51.5	-63.36	402.3	-2,338.5	355.9	265.0	90.91	3.915	
7,751.3	5,435.7	7,500.1	5,274.0	53.3	52.6	-63.32	403.5	-2,384.7	355.6	262.6	93.02	3.823	
7,800.0	5,435.5	7,548.2	5,274.0	54.5	53.7	-63.36	404.2	-2,432.8	355.7	260.5	95.17	3.737	
7,900.0	5,435.1	7,648.1	5,273.8	56.9	56.2	-63.42	405.5	-2,532.7	356.1	256.5	99.60	3.575	
8,000.0	5,434.8	7,751.7	5,273.0	59.3	58.7	-63.31	408.1	-2,636.3	355.7	251.7	103.95	3.422	
8,100.0	5,434.4	7,850.1	5,272.1	61.6	61.1	-63.13	411.2	-2,734.7	354.8	246.7	108.13	3.281	
8,115.6	5,434.4	7,864.6	5,272.0	62.0	61.4	-63.12	411.5	-2,749.1	354.8	246.0	108.78	3.261	
8,200.0	5,434.1	7,945.9	5,271.9	64.0	63.4	-63.19	412.4	-2,830.4	355.2	242.7	112.49	3.158	
8,300.0	5,433.7	8,049.0	5,270.9	66.4	65.9	-63.14	413.8	-2,933.5	355.9	239.0	116.88	3.045	
8,400.0	5,433.4	8,151.4	5,270.0	68.8	68.4	-62.99	416.7	-3,035.8	355.4	234.2	121.16	2.933	
8,500.0	5,433.0	8,253.7	5,269.5	71.3	70.9	-62.91	419.4	-3,138.1	354.7	229.2	125.50	2.826	
8,600.0	5,432.7	8,351.9	5,269.4	73.7	73.3	-62.89	421.9	-3,236.3	353.9	224.1	129.82	2.726	
8,700.0	5,432.3	8,449.0	5,269.9	76.1	75.7	-62.97	424.3	-3,333.3	353.1	218.8	134.23	2.630	
8,703.3	5,432.3	8,452.2	5,269.9	76.2	75.8	-62.97	424.3	-3,336.5	353.1	218.7	134.37	2.628	
8,800.0	5,432.0	8,544.7	5,268.9	78.5	78.0	-62.94	425.1	-3,429.1	354.2	215.7	138.49	2.557	
8,900.0	5,431.7	8,649.1	5,267.6	81.0	80.6	-62.82	427.0	-3,533.4	354.7	211.8	142.81	2.483	
8,984.2	5,431.4	8,733.2	5,266.3	83.0	82.6	-62.61	429.4	-3,617.5	354.4	208.1	146.24	2.423	
9,000.0	5,431.3	8,747.9	5,266.2	83.4	83.0	-62.60	429.7	-3,632.2	354.4	207.5	146.89	2.413	
9,100.0	5,431.0	8,847.8	5,264.7	85.8	85.5	-62.42	431.6	-3,732.0	354.8	203.8	151.02	2.350	
9,200.0	5,430.6	8,948.1	5,262.4	88.2	87.9	-62.12	433.9	-3,832.3	355.4	200.4	154.97	2.293	
9,300.0	5,430.3	9,045.2	5,262.0	90.7	90.3	-62.15	435.0	-3,929.3	356.1	196.7	159.32	2.235	
9,400.0	5,429.9	9,150.0	5,261.6	93.1	92.9	-62.22	436.0	-4,034.2	356.8	192.9	163.89	2.177	
9,500.0	5,429.6	9,251.0	5,259.4	95.6	95.4	-61.78	440.1	-4,135.1	355.7	188.1	167.59	2.123	
9,519.4	5,429.5	9,268.5	5,258.9	96.0	95.8	-61.71	440.7	-4,152.6	355.7	187.4	168.28	2.114	
9,600.0	5,429.2	9,346.8	5,257.8	98.0	97.7	-61.58	442.2	-4,230.8	356.1	184.5	171.53	2.076	
9,700.0	5,428.9	9,448.3	5,256.5	100.5	100.2	-61.44	444.3	-4,332.3	356.3	180.6	175.66	2.028	
9,800.0	5,428.5	9,547.2	5,255.6	102.9	102.6	-61.37	446.0	-4,431.2	356.7	176.8	179.86	1.983	
9,900.0	5,428.2	9,640.0	5,255.0	105.3	104.9	-61.39	447.0	-4,523.9	357.6	173.5	184.07	1.942	
9,919.3	5,428.1	9,640.0	5,255.0	105.8	104.9	-61.39	447.0	-4,523.9	358.6	174.1	184.49	1.944	

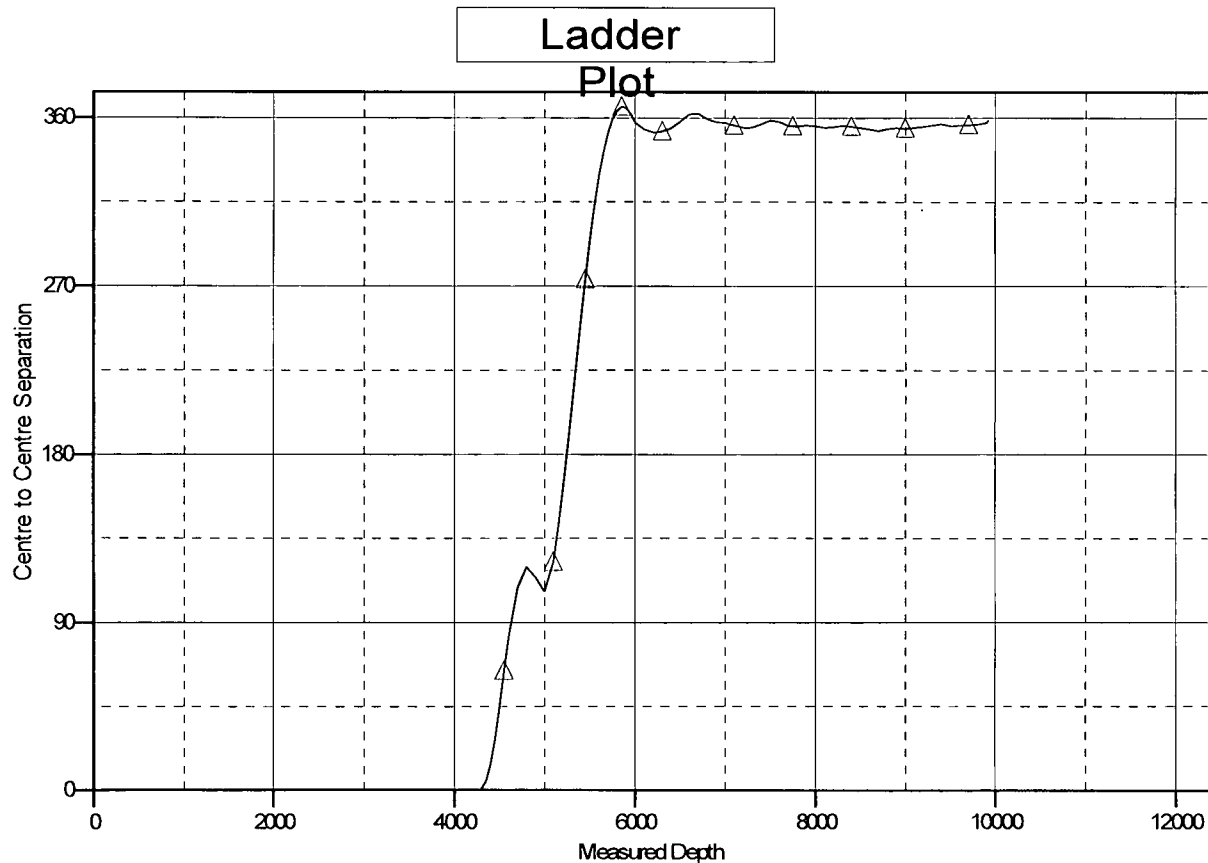
Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: Sandoval County, NM
Reference Site: Lybrook
Site Error: 0.0ft
Reference Well: Lybrook H26-2307 02H
Well Error: 0.0ft
Reference Wellbore: STK
Reference Design: Plan #2

Local Co-ordinate Reference: Well Lybrook H26-2307 02H
TVD Reference: KB @ 7249.0ft (Aztec)
MD Reference: KB @ 7249.0ft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Reference Depths are relative to KB @ 7249.0ft (Aztec)
 Offset Depths are relative to Offset Datum
 Central Meridian is -106.250000°

Coordinates are relative to: Lybrook H26-2307 02H
 Coordinate System is US State Plane 1983, New Mexico Central Zone
 Grid Convergence at Surface is: -0.76°



LEGEND

Lybrook H26-2307 02H, OH, SURVEYS V0