



02054771

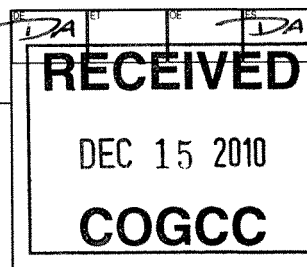
Page 1

FORM
4
Rev 12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 10232	4. Contact Name Wayne P. Bankert	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Laramie Energy II, LLC	Phone: 970-683-5419	
3. Address: 1512 Larimer St. Suite 1000	Fax: 303-339-4399	
City: Denver State: CO Zip: 80202		
5. API Number 05-077-10094	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: Bruton	7. Well/Facility Number 19-14B	Directional Survey <input checked="" type="checkbox"/>
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SESW Sec. 19, Twp. 9S, Rng. 93W 6th PM		Surface Eqpm't Diagram
9. County: Mesa	10. Field Name: 99999	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number:		Other

General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNU/FSL <input checked="" type="checkbox"/> N <input type="checkbox"/> W
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/> FNU/FSL <input checked="" type="checkbox"/> N <input type="checkbox"/> W
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/> FNU/FSL <input checked="" type="checkbox"/> S <input type="checkbox"/> E
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> FNU/FSL <input checked="" type="checkbox"/> N <input type="checkbox"/> W attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No <input checked="" type="checkbox"/>
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input checked="" type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation Formation Code Spacing order number Unit Acreage Unit configuration	Signed surface use agreement attached
Mancos MNCS	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME
Effective Date:	From:
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:
	Effective Date:
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT
<input type="checkbox"/> SPUD DATE:	<input checked="" type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	*submit cbl and cement job summaries
Method used Cementing tool setting/perf depth Cement volume Cement top Cement bottom Date	
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done	
Approximate Start Date: 1/16/2011	Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input checked="" type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input checked="" type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input checked="" type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Deepen to add formation	for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Randy Natvig
Digitally signed by Randy Natvig
DN: cn=Randy Natvig, o=Laramie Energy II, LLC,
ou=Laramie Energy II, LLC, email=rnatvig@laramie-energy.com, c=US
Date: 2010.12.14.14:18:56 -0700

Date: 12/14/2010 Email: Rnatvig@laramie-energy.com

Print Name: Randy Natvig

Title: Drilling and Completions Manager

COGCC Approved: David And

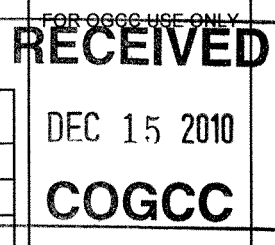
Title: PE II

Date: 12/21/2010

CONDITIONS OF APPROVAL, IF ANY:

The following formations are currently approved as objective formations: Williams Fork, Iles & Mancos. No deeper objective formation(s) will be completed as a result of this increase in total measured depth.

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number: 10232 API Number: 05-077-10094
2. Name of Operator: Laramie Energy II, LLC OGCC Facility ID #
3. Well/Facility Name: Bruton Well/Facility Number: 19-14B
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW, Twp. 9S, Rng. 93 W 6th pm

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Laramie Energy II intends to test the Mancos formation in the Bruton 19-14B well to determine reservoir characteristics. No change in bottom hole location.

MD: 10,296'
TVD: 10,290'

Surface Casing: 1500' of 9 5/8", 32.3#, H-40 ST&C in 12 1/4" hole
Cement: 420 Sks

Intermediate Casing: 8462' of 7", 26#, N-80 LT&C in 8.75" hole
Cement: 700 sks, Tail cement to 600' above TOG, Lead cement to 1500' + 10% excess.

Production Casing: 12,296' of 4 1/2", 15.1#, P-110 LT&C in 6.125" hole
Cement: 350 sks, Estimated TOC = 8162' (inside the 7" intermediate)

See attached directional plan.3

See attached wellbore schematic

5M control equipment will be used.

Nearest Lease line is 813'.

There are no other Mancos wells in the section.

Laramie Energy, L.L.C.

Well Bore Schematic

No scale

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Well Name

Diagram Date

Surface Location

Btm Hole Loc.

Field

County

State

API No.

Lease No.

G.L. Elevation

K.B. Elevation

Bruton 19-14B

15-Dec-10

852' FSL & 1750' FWL SEC 19 T9S R93W

823' FSL & 1988' FWL SEC 19 T9S R93W

Wildcat

Mesa

Colorado

05-077-10094-00

7345'

7345'

Conductor

Cement w/

Surface

Casing

Cement w/

@ 40' GL

100sx

1500'

100 sxs Lead

150 sxs Tail

16", .250" wall

Halco

12 1/4" hole, 9-5/8", 32.3#, 8r, H-40, ST&C

Halliburton Versacem, mixed @ 12.3 #/gls, 2.38 yld w 13.75 gls/sk water

Halliburton Swiftcem, mixed @ 14.2 #/gls, 1.43 yld w 6.88 gls/sk water

Inter. Casing

Cement w/

Production Casing

8462'

275 sx

425 sx

12196'

350 sx

8 3/4" hole, 7" 26#, N-80, 8 rnd LT&C casing

Econocem™ System
Mixed at 11.5 #/gal, 2.32 Yield,
Halcem™ System Cement
Mixed at 13.5 #/gal, 1.49 Yield
Tail cement calculated to +/- 4775' with 0% excess over caliper (600' abo
Lead cement calculated to 1500' w/10% excess over caliper.

6 1/4" hole, 4 1/2" 15.1#, P-110, 8 rnd LT&C casing
TOC = 8164' w/0% excess over caliper
Halcem™ System Cement
Mixed at 13.5 #/gal, 1.49 Yield

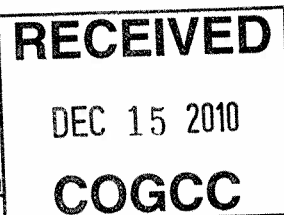


Departure
Energy Services (US) LP

Departure Energy Services (US) LP

Denver, Colorado
Phone: 303.542.2000

Casper, Wyoming
Phone: 307.265.2231
Fax: 307.472.5064
www.departureus.com



Laramie Energy II, LLC

Mesa County, CO

Sec 19-T9S-R93W

Bruton 19-14B

S-Well

Job Number: TBA

Well Plan Report

December 6, 2010



Laramie Energy II, LLC

Site: Sec 19-T9S-R93W (Burton 19-14 Pad)
Well: Bruton 19-14B
Wellbore: DD
Design: Plan #2

Reference Details - WELL CENTRE

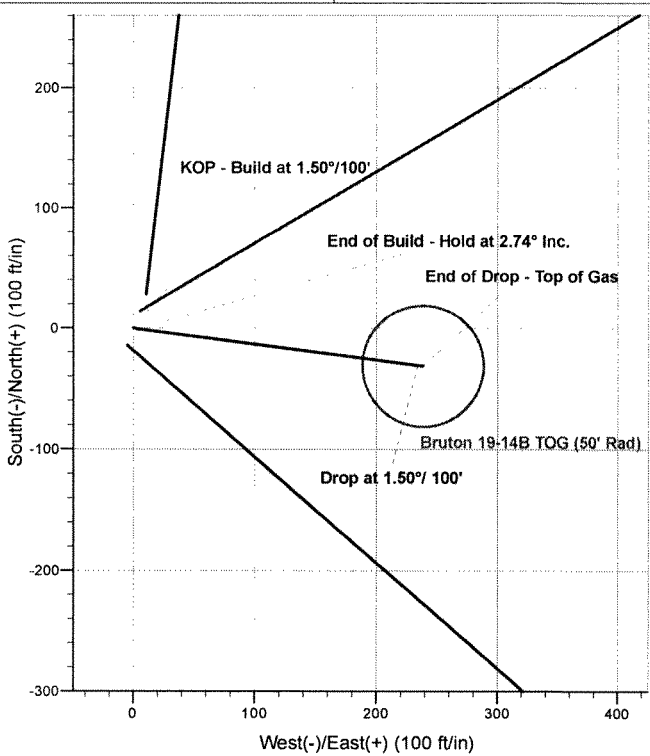
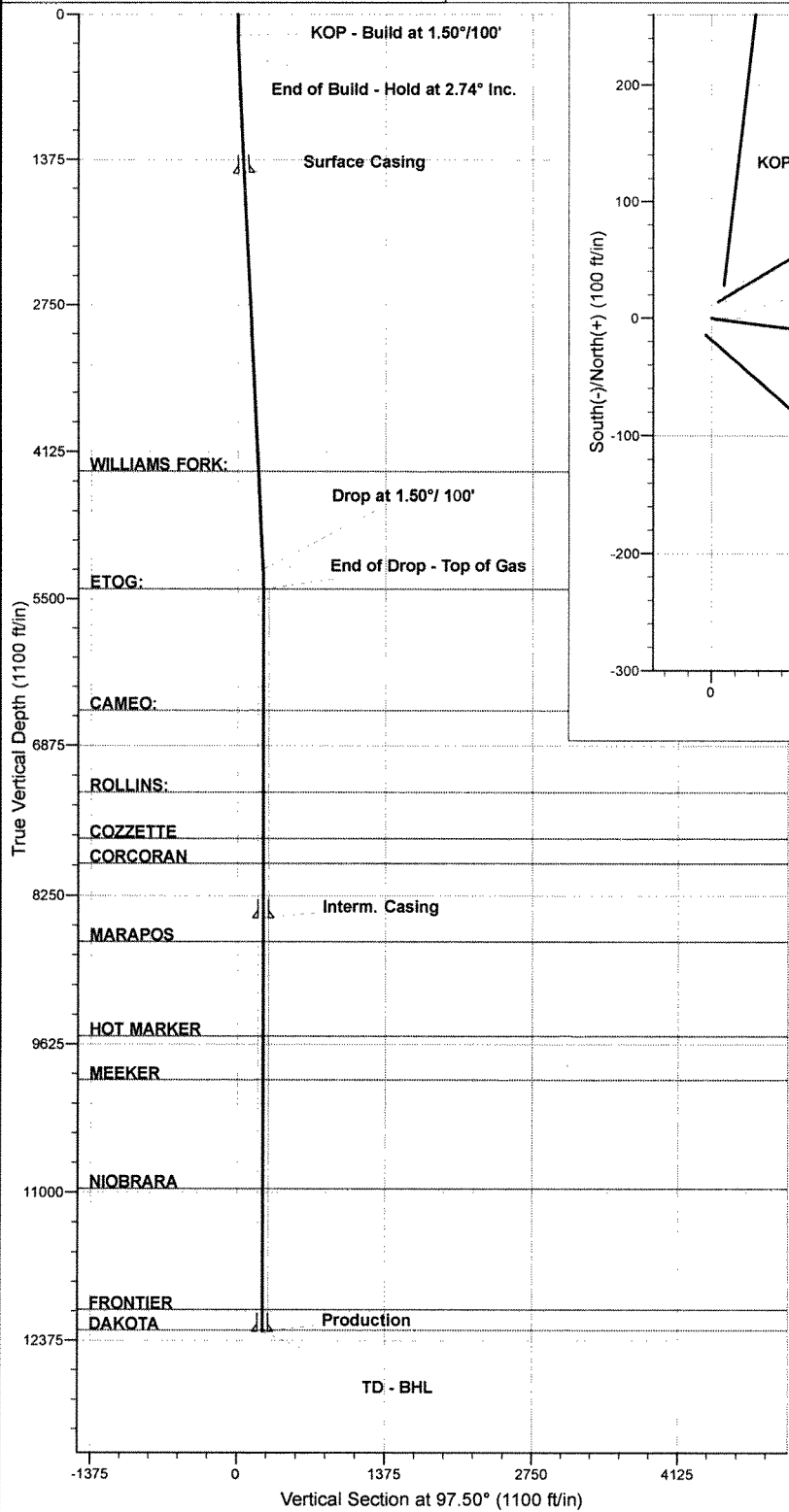
Geodetic System: Universal Transverse Mercator
Ellipsoid: GRS 1980
Zone: Zone 13N (108 W to 102 W)
Northing: 14268876.51
Easting: 843649.20
Latitude: 39° 15' 27.8064 N
Longitude: 107° 48' 52.6248 W
Grid Convergence: 1.78° East
Ground Elevation: 7344.00
KB Elevation: WELL @ 7365.00ft (Original Well Elev)



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Fax: 307.472.5064
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Azimuths to True North
Magnetic North: 10.32°

Magnetic Field
Strength: 52196.7snT
Dip Angle: 65.59°
Date: 10/27/2010
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
200.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP - Build at 1.50°/100'
382.72	382.79	2.74	97.48	-0.57	4.34	4.37	4.37	End of Build - Hold at 2.74° Inc.
5223.28	5228.90	2.74	97.48	-30.76	234.17	236.19	236.19	Drop at 1.50°/100'
5406.00	5411.69	0.00	0.00	-31.33	238.51	240.56	240.56	End of Drop - Top of Gas
12290.00	12295.69	0.00	0.00	-31.33	238.51	240.56	240.56	TD - BHL



Database: EDM 5000.1 Single User Db
Company: Laramie Energy II, LLC
Project: MESA CO
Site: Sec 19-T9S-R93W (Burton 19-14 Pad)
Well: Bruton 19-14B
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well Bruton 19-14B
TVD Reference: WELL @ 7365.00ft (Original Well Elev)
MD Reference: WELL @ 7365.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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Project: MESA CO
Map System: Universal Transverse Mercator
Geo Datum: NAD83 Colorado - HARN
Map Zone: Zone 13N (108 W to 102 W)
System Datum: Mean Sea Level

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Site: Sec 19-T9S-R93W (Burton 19-14 Pad)

Site Position: Northing: 14,268,876.51 ft Latitude: 39° 15' 27.8064 N
From: Lat/Long Easting: 843,649.20 ft Longitude: 107° 48' 52.6248 W
Position Uncertainty: 0.00 ft Slot Radius: 13.20 in Grid Convergence: -1.78 °

Well: Bruton 19-14B

Well Position: +N/-S 0.00 ft Northing: 14,268,876.51 ft Latitude: 39° 15' 27.8064 N
+E/-W 0.00 ft Easting: 843,649.20 ft Longitude: 107° 48' 52.6248 W
Position Uncertainty: 0.00 ft Wellhead Elevation: Ground Level: 7,344.00 ft

Wellbore: DD

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/27/2010	10.32	65.59	52,197

Design: Plan #2

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	97.50

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
382.79	2.74	97.48	382.72	-0.57	4.34	1.50	1.50	0.00	97.48	
5,228.90	2.74	97.48	5,223.28	-30.76	234.17	0.00	0.00	0.00	0.00	
5,411.69	0.00	0.00	5,406.00	-31.33	238.51	1.50	-1.50	0.00	180.00	Bruton 19-14B TOG n
12,295.69	0.00	0.00	12,290.00	-31.33	238.51	0.00	0.00	0.00	0.00	Bruton 19-14B TD rev



Database: EDM 5000.1 Single User Db
Company: Laramie Energy II, LLC
Project: MESA CO
Site: Sec 19-T9S-R93W (Burton 19-14 Pad)
Well: Bruton 19-14B
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well Bruton 19-14B
TVD Reference: WELL @ 7365.00ft (Original Well Elev)
MD Reference: WELL @ 7365.00ft (Original Well Elev)
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)	Tort Rate (°/100ft)
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build at 1.50°/100'									
300.00	1.50	97.48	299.99	-0.17	1.30	1.31	1.50	1.50	0.00
382.79	2.74	97.48	382.72	-0.57	4.34	4.37	1.50	1.50	0.00
End of Build - Hold at 2.74° Inc.									
400.00	2.74	97.48	399.91	-0.68	5.15	5.20	0.00	0.00	0.00
500.00	2.74	97.48	499.80	-1.30	9.89	9.98	0.00	0.00	0.00
600.00	2.74	97.48	599.68	-1.92	14.64	14.76	0.00	0.00	0.00
700.00	2.74	97.48	699.57	-2.55	19.38	19.55	0.00	0.00	0.00
800.00	2.74	97.48	799.45	-3.17	24.12	24.33	0.00	0.00	0.00
900.00	2.74	97.48	899.34	-3.79	28.87	29.11	0.00	0.00	0.00
1,000.00	2.74	97.48	999.22	-4.42	33.61	33.90	0.00	0.00	0.00
1,100.00	2.74	97.48	1,099.11	-5.04	38.35	38.68	0.00	0.00	0.00
1,200.00	2.74	97.48	1,198.99	-5.66	43.09	43.46	0.00	0.00	0.00
1,300.00	2.74	97.48	1,298.88	-6.28	47.84	48.25	0.00	0.00	0.00
1,400.00	2.74	97.48	1,398.77	-6.91	52.58	53.03	0.00	0.00	0.00
1,500.00	2.74	97.48	1,498.65	-7.53	57.32	57.81	0.00	0.00	0.00
1,501.35	2.74	97.48	1,500.00	-7.54	57.39	57.88	0.00	0.00	0.00
Surface Casing									
1,600.00	2.74	97.48	1,598.54	-8.15	62.06	62.60	0.00	0.00	0.00
1,700.00	2.74	97.48	1,698.42	-8.78	66.81	67.38	0.00	0.00	0.00
1,800.00	2.74	97.48	1,798.31	-9.40	71.55	72.17	0.00	0.00	0.00
1,900.00	2.74	97.48	1,898.19	-10.02	76.29	76.95	0.00	0.00	0.00
2,000.00	2.74	97.48	1,998.08	-10.65	81.04	81.73	0.00	0.00	0.00
2,100.00	2.74	97.48	2,097.96	-11.27	85.78	86.52	0.00	0.00	0.00
2,200.00	2.74	97.48	2,197.85	-11.89	90.52	91.30	0.00	0.00	0.00
2,300.00	2.74	97.48	2,297.74	-12.51	95.26	96.08	0.00	0.00	0.00
2,400.00	2.74	97.48	2,397.62	-13.14	100.01	100.87	0.00	0.00	0.00
2,500.00	2.74	97.48	2,497.51	-13.76	104.75	105.65	0.00	0.00	0.00
2,600.00	2.74	97.48	2,597.39	-14.38	109.49	110.43	0.00	0.00	0.00
2,700.00	2.74	97.48	2,697.28	-15.01	114.24	115.22	0.00	0.00	0.00
2,800.00	2.74	97.48	2,797.16	-15.63	118.98	120.00	0.00	0.00	0.00
2,900.00	2.74	97.48	2,897.05	-16.25	123.72	124.78	0.00	0.00	0.00
3,000.00	2.74	97.48	2,996.93	-16.88	128.46	129.57	0.00	0.00	0.00
3,100.00	2.74	97.48	3,096.82	-17.50	133.21	134.35	0.00	0.00	0.00
3,200.00	2.74	97.48	3,196.71	-18.12	137.95	139.13	0.00	0.00	0.00
3,300.00	2.74	97.48	3,296.59	-18.75	142.69	143.92	0.00	0.00	0.00
3,400.00	2.74	97.48	3,396.48	-19.37	147.43	148.70	0.00	0.00	0.00
3,500.00	2.74	97.48	3,496.36	-19.99	152.18	153.48	0.00	0.00	0.00
3,600.00	2.74	97.48	3,596.25	-20.61	156.92	158.27	0.00	0.00	0.00
3,700.00	2.74	97.48	3,696.13	-21.24	161.66	163.05	0.00	0.00	0.00
3,800.00	2.74	97.48	3,796.02	-21.86	166.41	167.84	0.00	0.00	0.00
3,900.00	2.74	97.48	3,895.90	-22.48	171.15	172.62	0.00	0.00	0.00
4,000.00	2.74	97.48	3,995.79	-23.11	175.89	177.40	0.00	0.00	0.00
4,100.00	2.74	97.48	4,095.68	-23.73	180.63	182.19	0.00	0.00	0.00
4,200.00	2.74	97.48	4,195.56	-24.35	185.38	186.97	0.00	0.00	0.00
4,300.00	2.74	97.48	4,295.45	-24.98	190.12	191.75	0.00	0.00	0.00
4,310.57	2.74	97.48	4,306.00	-25.04	190.62	192.26	0.00	0.00	0.00
WILLIAMS FORK:									
4,400.00	2.74	97.48	4,395.33	-25.60	194.86	196.54	0.00	0.00	0.00
4,500.00	2.74	97.48	4,495.22	-26.22	199.60	201.32	0.00	0.00	0.00
4,600.00	2.74	97.48	4,595.10	-26.85	204.35	206.10	0.00	0.00	0.00
4,700.00	2.74	97.48	4,694.99	-27.47	209.09	210.89	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bruton 19-14B
Company:	Laramie Energy II, LLC	TVD Reference:	WELL @ 7365.00ft (Original Well Elev)
Project:	MESA CO	MD Reference:	WELL @ 7365.00ft (Original Well Elev)
Site:	Sec 19-T9S-R93W (Burton 19-14 Pad)	North Reference:	True
Well:	Bruton 19-14B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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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)	Loss Rate (°/100ft)
4,800.00	2.74	97.48	4,794.87	-28.09	213.83	215.67	0.00	0.00	0.00
4,900.00	2.74	97.48	4,894.76	-28.71	218.58	220.45	0.00	0.00	0.00
5,000.00	2.74	97.48	4,994.64	-29.34	223.32	225.24	0.00	0.00	0.00
5,100.00	2.74	97.48	5,094.53	-29.96	228.06	230.02	0.00	0.00	0.00
5,200.00	2.74	97.48	5,194.42	-30.58	232.80	234.80	0.00	0.00	0.00
5,228.90	2.74	97.48	5,223.28	-30.76	234.17	236.19	0.00	0.00	0.00
Drop at 1.50°/ 100'									
5,300.00	1.68	97.48	5,294.33	-31.12	236.89	238.93	1.50	-1.50	0.00
5,375.69	0.54	97.48	5,370.00	-31.31	238.34	240.39	1.50	-1.50	0.00
Bruton 19-14B TOG									
5,400.00	0.18	97.48	5,394.31	-31.33	238.49	240.54	1.50	-1.50	0.00
5,411.69	0.00	0.00	5,406.00	-31.33	238.51	240.56	1.50	-1.50	0.00
End of Drop - Top of Gas - ETOG: - Bruton 19-14B TOG rev									
5,500.00	0.00	0.00	5,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
5,600.00	0.00	0.00	5,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
5,700.00	0.00	0.00	5,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
5,800.00	0.00	0.00	5,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
5,900.00	0.00	0.00	5,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,000.00	0.00	0.00	5,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,100.00	0.00	0.00	6,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,200.00	0.00	0.00	6,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,300.00	0.00	0.00	6,294.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,400.00	0.00	0.00	6,394.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,500.00	0.00	0.00	6,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,551.69	0.00	0.00	6,546.00	-31.33	238.51	240.56	0.00	0.00	0.00
CAMEO:									
6,600.00	0.00	0.00	6,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,700.00	0.00	0.00	6,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,800.00	0.00	0.00	6,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
6,900.00	0.00	0.00	6,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,000.00	0.00	0.00	6,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,100.00	0.00	0.00	7,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,200.00	0.00	0.00	7,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,300.00	0.00	0.00	7,294.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,311.69	0.00	0.00	7,306.00	-31.33	238.51	240.56	0.00	0.00	0.00
ROLLINS:									
7,400.00	0.00	0.00	7,394.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,425.69	0.00	0.00	7,420.00	-31.33	238.51	240.56	0.00	0.00	0.00
Bruton 19-14B TD									
7,500.00	0.00	0.00	7,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,600.00	0.00	0.00	7,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,700.00	0.00	0.00	7,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,735.69	0.00	0.00	7,730.00	-31.33	238.51	240.56	0.00	0.00	0.00
COZZETTE									
7,800.00	0.00	0.00	7,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,900.00	0.00	0.00	7,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
7,961.69	0.00	0.00	7,956.00	-31.33	238.51	240.56	0.00	0.00	0.00
CORCORAN									
8,000.00	0.00	0.00	7,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,100.00	0.00	0.00	8,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,200.00	0.00	0.00	8,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,300.00	0.00	0.00	8,294.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,400.00	0.00	0.00	8,394.31	-31.33	238.51	240.56	0.00	0.00	0.00



Database: EDM 5000.1 Single User Db
Company: Laramie Energy II, LLC
Project: MESA CO
Site: Sec 19-T9S-R93W (Burton 19-14 Pad)
Well: Bruton 19-14B
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Bruton 19-14B
WELL @ 7365.00ft (Original Well Elev)
WELL @ 7365.00ft (Original Well Elev)
True
Minimum Curvature

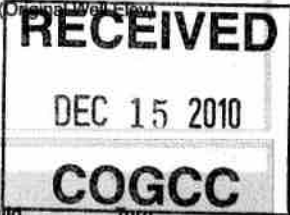
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Planned Survey

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)
8,461.69	0.00	0.00	8,456.00	-31.33	238.51	240.56	0.00	0.00	0.00
Interm. Casing									
8,500.00	0.00	0.00	8,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,600.00	0.00	0.00	8,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,682.69	0.00	0.00	8,677.00	-31.33	238.51	240.56	0.00	0.00	0.00
MARAPOS									
8,700.00	0.00	0.00	8,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,800.00	0.00	0.00	8,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
8,900.00	0.00	0.00	8,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,000.00	0.00	0.00	8,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,100.00	0.00	0.00	9,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,200.00	0.00	0.00	9,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,300.00	0.00	0.00	9,294.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,400.00	0.00	0.00	9,394.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,500.00	0.00	0.00	9,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,554.69	0.00	0.00	9,549.00	-31.33	238.51	240.56	0.00	0.00	0.00
HOT MARKER									
9,600.00	0.00	0.00	9,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,700.00	0.00	0.00	9,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,800.00	0.00	0.00	9,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,900.00	0.00	0.00	9,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
9,962.69	0.00	0.00	9,957.00	-31.33	238.51	240.56	0.00	0.00	0.00
MEEKER									
10,000.00	0.00	0.00	9,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,100.00	0.00	0.00	10,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,200.00	0.00	0.00	10,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,300.00	0.00	0.00	10,294.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,400.00	0.00	0.00	10,394.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,500.00	0.00	0.00	10,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,600.00	0.00	0.00	10,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,700.00	0.00	0.00	10,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,800.00	0.00	0.00	10,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,900.00	0.00	0.00	10,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
10,970.69	0.00	0.00	10,965.00	-31.33	238.51	240.56	0.00	0.00	0.00
NIOBRARA									
11,000.00	0.00	0.00	10,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,100.00	0.00	0.00	11,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,200.00	0.00	0.00	11,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,300.00	0.00	0.00	11,294.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,400.00	0.00	0.00	11,394.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,500.00	0.00	0.00	11,494.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,600.00	0.00	0.00	11,594.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,700.00	0.00	0.00	11,694.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,800.00	0.00	0.00	11,794.31	-31.33	238.51	240.56	0.00	0.00	0.00
11,900.00	0.00	0.00	11,894.31	-31.33	238.51	240.56	0.00	0.00	0.00
12,000.00	0.00	0.00	11,994.31	-31.33	238.51	240.56	0.00	0.00	0.00
12,091.69	0.00	0.00	12,086.00	-31.33	238.51	240.56	0.00	0.00	0.00
FRONTIER									
12,100.00	0.00	0.00	12,094.31	-31.33	238.51	240.56	0.00	0.00	0.00
12,200.00	0.00	0.00	12,194.31	-31.33	238.51	240.56	0.00	0.00	0.00
12,285.69	0.00	0.00	12,280.00	-31.33	238.51	240.56	0.00	0.00	0.00
DAKOTA									
12,295.69	0.00	0.00	12,290.00	-31.33	238.51	240.56	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bruton 19-14B
Company:	Laramie Energy II, LLC	TVD Reference:	WELL @ 7365.00ft (Original Well Elev)
Project:	MESA CO	MD Reference:	WELL @ 7365.00ft (Original Well Elev)
Site:	Sec 19-T9S-R93W (Burton 19-14 Pad)	North Reference:	True
Well:	Bruton 19-14B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
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)	Turn Rate (°/100ft)
TD - BHL - Production - Bruton 19-14B TD rev									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Bruton 19-14B TOG rev - plan hits target center - Circle (radius 50.00)	0.00	0.00	5,406.00	-31.33	238.51	14,268,837.77	843,886.62	39° 15' 27.4968 N	107° 48' 49.5936 W
Bruton 19-14B TD rev - plan hits target center - Point	0.00	0.00	12,290.00	-31.33	238.51	14,268,837.77	843,886.62	39° 15' 27.4968 N	107° 48' 49.5936 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,501.35	1,500.00	Surface Casing	9.62	12.25	
8,461.69	8,456.00	Interm. Casing	8.75	8.75	
12,295.69	12,290.00	Production	6.13	6.13	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,310.57	4,306.00	WILLIAMS FORK:				
5,411.69	5,406.00	ETOG:				
6,551.69	6,546.00	CAMEO:				
7,311.69	7,306.00	ROLLINS:				
7,735.69	7,730.00	COZZETTE				
7,961.69	7,956.00	CORCORAN				
8,682.69	8,677.00	MARAPOS				
9,554.69	9,549.00	HOT MARKER				
9,962.69	9,957.00	MEEKER				
10,970.69	10,965.00	NIOBRARA				
12,091.69	12,086.00	FRONTIER				
12,285.69	12,280.00	DAKOTA				



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Bruton 19-14B
Company:	Laramie Energy II, LLC	TVD Reference:	WELL @ 7365.00ft (Original Well Elev)
Project:	MESA CO	MD Reference:	WELL @ 7365.00ft (Original Well Elev)
Site:	Sec 19-T9S-R93W (Burton 19-14 Pad)	North Reference:	True
Well:	Bruton 19-14B	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.00	200.00	0.00	0.00	KOP - Build at 1.50"/100'
382.79	382.72	-0.57	4.34	End of Build - Hold at 2.74" Inc.
5,228.90	5,223.28	-30.76	234.17	Drop at 1.50"/ 100'
5,411.69	5,406.00	-31.33	238.51	End of Drop - Top of Gas
12,295.69	12,290.00	-31.33	238.51	TD - BHL

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