

GRMR Oil & Gas, LLC

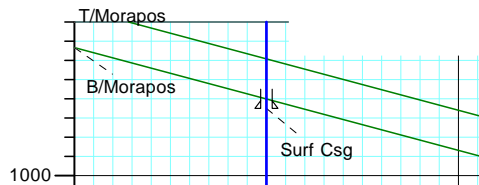
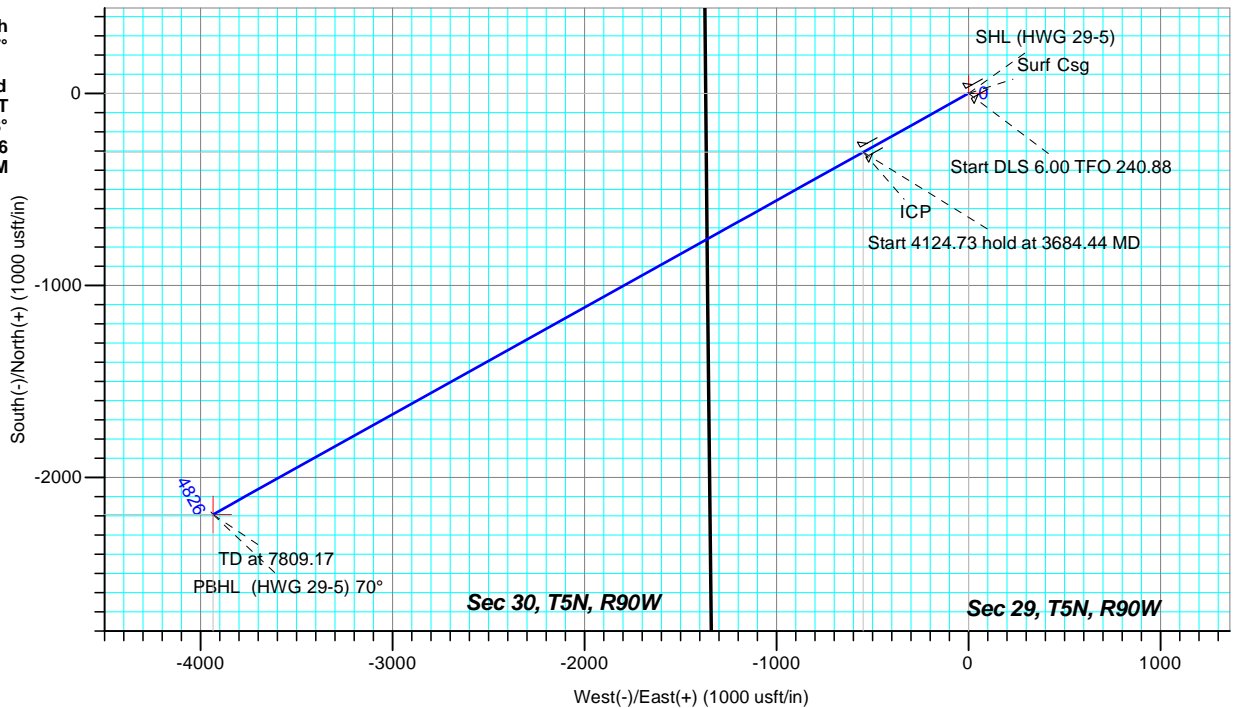
Project: Moffat County, CO
Site: Hollywood Gold
Well: 29-5
Wellbore: OH
Design: Draft #2

PROJECT DETAILS: Moffat County, CO
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
Datum: GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)



Azimuths to True North
Magnetic North: 9.67°

Magnetic Field
Strength: 52068.7snT
Dip Angle: 66.38°
Date: 4/8/2016
Model: HDGM



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL	0.00	0.00	0.00	1380126.15	2436100.02	40° 21' 33.064 N	107° 31' 25.167 W
PBHL	4825.85	-2192.13	-3934.89	1378024.38	2432116.14	40° 21' 11.398 N	107° 32' 15.994 W

SECTION DETAILS

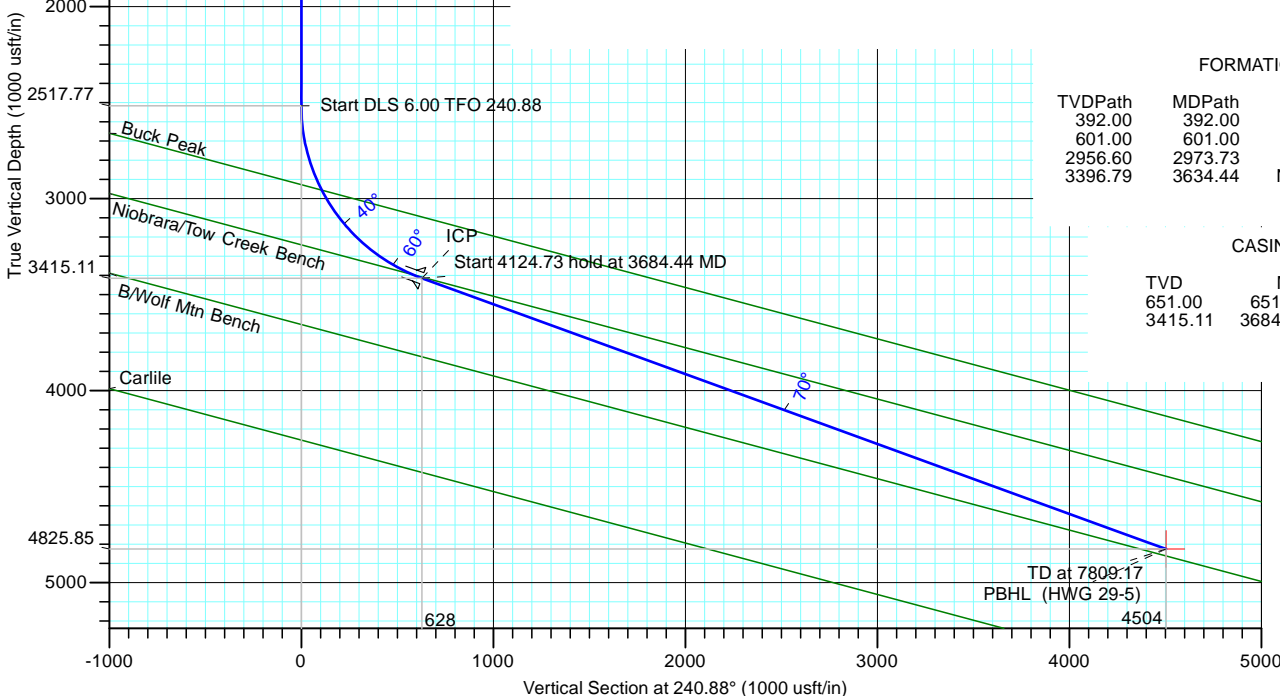
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2517.77	0.00	0.00	2517.77	0.00	0.00	0.00	0.00	0.00	
3	3684.44	70.00	240.88	3415.11	-305.79	-548.89	6.00	240.88	628.32	
4	7809.17	70.00	240.88	4825.85	-2192.13	-3934.89	0.00	0.00	4504.30	PBHL (HWG 29-5)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
392.00	392.00	T/Morapos
601.00	601.00	B/Morapos
2956.60	2973.73	Buck Peak
3396.79	3634.44	Niobrara/Tow Creek Bench

CASING DETAILS

TVD	MD	Name
651.00	651.00	Surf Csg
3415.11	3684.44	ICP



LEAM DRILLING SYSTEMS LLC
2010 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax: 936/756-7595

Plan: Draft #2 (29-5/OH)
Created By: Nora Tucker Date: 16:04, April 12 2016

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Multi_User Db	Local Co-ordinate Reference:	Well 29-5
Company:	GRMR Oil & Gas, LLC	TVD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

Project	Moffat County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Hollywood Gold			
Site Position:		Northing:	1,380,126.15 usft	Latitude:	40° 21' 33.064 N
From:	Lat/Long	Easting:	2,436,100.03 usft	Longitude:	107° 31' 25.167 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.31 °

Well	29-5					
Well Position	+N/-S	0.00 usft	Northing:	1,380,126.15 usft	Latitude:	40° 21' 33.064 N
	+E/-W	0.00 usft	Easting:	2,436,100.03 usft	Longitude:	107° 31' 25.167 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,585.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/8/2016	9.67	66.38	52,069

Design	Draft #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	240.88

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,517.77	0.00	0.00	2,517.77	0.00	0.00	0.00	0.00	0.00	0.00	
3,684.44	70.00	240.88	3,415.11	-305.79	-548.89	6.00	6.00	-10.21	240.88	
7,809.17	70.00	240.88	4,825.85	-2,192.13	-3,934.89	0.00	0.00	0.00	0.00	PBHL (HWG 29-5) 70

LEAM Drilling Systems LLC

Planning Report

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Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL (HWG 29-5)									
100.00	0.00	0.00	100.00	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
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
392.00	0.00	0.00	392.00	0.00	0.00	0.00	0.00	0.00	0.00
T/Morapos									
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
601.00	0.00	0.00	601.00	0.00	0.00	0.00	0.00	0.00	0.00
B/Morapos									
651.00	0.00	0.00	651.00	0.00	0.00	0.00	0.00	0.00	0.00
Surf Csg									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,517.77	0.00	0.00	2,517.77	0.00	0.00	0.00	0.00	0.00	0.00
2,550.00	1.93	240.88	2,549.99	-0.26	-0.48	0.54	6.00	6.00	0.00
2,600.00	4.93	240.88	2,599.90	-1.72	-3.09	3.54	6.00	6.00	0.00
2,650.00	7.93	240.88	2,649.58	-4.45	-7.98	9.14	6.00	6.00	0.00
2,700.00	10.93	240.88	2,698.90	-8.44	-15.14	17.33	6.00	6.00	0.00
2,750.00	13.93	240.88	2,747.72	-13.68	-24.55	28.10	6.00	6.00	0.00
2,800.00	16.93	240.88	2,795.91	-20.15	-36.17	41.40	6.00	6.00	0.00
2,850.00	19.93	240.88	2,843.34	-27.84	-49.98	57.21	6.00	6.00	0.00
2,900.00	22.93	240.88	2,889.87	-36.73	-65.94	75.48	6.00	6.00	0.00
2,950.00	25.93	240.88	2,935.39	-46.80	-84.01	96.16	6.00	6.00	0.00
2,973.73	27.36	240.88	2,956.60	-51.98	-93.30	106.80	6.00	6.00	0.00
Buck Peak									
3,000.00	28.93	240.88	2,979.76	-58.01	-104.13	119.20	6.00	6.00	0.00
3,050.00	31.93	240.88	3,022.87	-70.33	-126.25	144.52	6.00	6.00	0.00
3,100.00	34.93	240.88	3,064.59	-83.74	-150.31	172.06	6.00	6.00	0.00
3,150.00	37.93	240.88	3,104.81	-98.19	-176.25	201.76	6.00	6.00	0.00
3,200.00	40.93	240.88	3,143.43	-113.64	-203.99	233.51	6.00	6.00	0.00
3,250.00	43.93	240.88	3,180.33	-130.06	-233.46	267.24	6.00	6.00	0.00

LEAM Drilling Systems LLC

Planning Report

Database:	EDM 5000.1 Multi_User Db	Local Co-ordinate Reference:	Well 29-5
Company:	GRMR Oil & Gas, LLC	TVD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

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)
3,300.00	46.93	240.88	3,215.41	-147.40	-264.58	302.86	6.00	6.00	0.00
3,350.00	49.93	240.88	3,248.58	-165.60	-297.25	340.27	6.00	6.00	0.00
3,400.00	52.93	240.88	3,279.75	-184.62	-331.40	379.36	6.00	6.00	0.00
3,450.00	55.93	240.88	3,308.83	-204.42	-366.93	420.03	6.00	6.00	0.00
3,500.00	58.93	240.88	3,335.74	-224.92	-403.73	462.16	6.00	6.00	0.00
3,550.00	61.93	240.88	3,360.40	-246.08	-441.72	505.64	6.00	6.00	0.00
3,600.00	64.93	240.88	3,382.76	-267.85	-480.78	550.36	6.00	6.00	0.00
3,634.44	67.00	240.88	3,396.79	-283.15	-508.26	581.81	6.00	6.00	0.00
Niobrara/Tow Creek Bench									
3,650.00	67.93	240.88	3,402.75	-290.15	-520.82	596.18	6.00	6.00	0.00
3,684.44	70.00	240.88	3,415.11	-305.79	-548.90	628.33	6.00	6.00	0.00
ICP									
3,700.00	70.00	240.88	3,420.43	-312.91	-561.67	642.95	0.00	0.00	0.00
3,800.00	70.00	240.88	3,454.64	-358.64	-643.76	736.92	0.00	0.00	0.00
3,900.00	70.00	240.88	3,488.84	-404.37	-725.85	830.89	0.00	0.00	0.00
4,000.00	70.00	240.88	3,523.04	-450.10	-807.94	924.86	0.00	0.00	0.00
4,100.00	70.00	240.88	3,557.24	-495.84	-890.03	1,018.83	0.00	0.00	0.00
4,200.00	70.00	240.88	3,591.44	-541.57	-972.12	1,112.80	0.00	0.00	0.00
4,300.00	70.00	240.88	3,625.65	-587.30	-1,054.21	1,206.76	0.00	0.00	0.00
4,400.00	70.00	240.88	3,659.85	-633.03	-1,136.30	1,300.73	0.00	0.00	0.00
4,500.00	70.00	240.88	3,694.05	-678.77	-1,218.39	1,394.70	0.00	0.00	0.00
4,600.00	70.00	240.88	3,728.25	-724.50	-1,300.48	1,488.67	0.00	0.00	0.00
4,700.00	70.00	240.88	3,762.45	-770.23	-1,382.57	1,582.64	0.00	0.00	0.00
4,800.00	70.00	240.88	3,796.66	-815.96	-1,464.66	1,676.61	0.00	0.00	0.00
4,900.00	70.00	240.88	3,830.86	-861.70	-1,546.75	1,770.58	0.00	0.00	0.00
5,000.00	70.00	240.88	3,865.06	-907.43	-1,628.84	1,864.55	0.00	0.00	0.00
5,100.00	70.00	240.88	3,899.26	-953.16	-1,710.93	1,958.52	0.00	0.00	0.00
5,200.00	70.00	240.88	3,933.46	-998.89	-1,793.02	2,052.49	0.00	0.00	0.00
5,300.00	70.00	240.88	3,967.66	-1,044.62	-1,875.11	2,146.46	0.00	0.00	0.00
5,400.00	70.00	240.88	4,001.87	-1,090.36	-1,957.20	2,240.43	0.00	0.00	0.00
5,500.00	70.00	240.88	4,036.07	-1,136.09	-2,039.29	2,334.40	0.00	0.00	0.00
5,600.00	70.00	240.88	4,070.27	-1,181.82	-2,121.38	2,428.37	0.00	0.00	0.00
5,700.00	70.00	240.88	4,104.47	-1,227.55	-2,203.47	2,522.33	0.00	0.00	0.00
5,800.00	70.00	240.88	4,138.67	-1,273.29	-2,285.56	2,616.30	0.00	0.00	0.00
5,900.00	70.00	240.88	4,172.88	-1,319.02	-2,367.65	2,710.27	0.00	0.00	0.00
6,000.00	70.00	240.88	4,207.08	-1,364.75	-2,449.74	2,804.24	0.00	0.00	0.00
6,100.00	70.00	240.88	4,241.28	-1,410.48	-2,531.83	2,898.21	0.00	0.00	0.00
6,200.00	70.00	240.88	4,275.48	-1,456.22	-2,613.92	2,992.18	0.00	0.00	0.00
6,300.00	70.00	240.88	4,309.68	-1,501.95	-2,696.01	3,086.15	0.00	0.00	0.00
6,400.00	70.00	240.88	4,343.89	-1,547.68	-2,778.10	3,180.12	0.00	0.00	0.00
6,500.00	70.00	240.88	4,378.09	-1,593.41	-2,860.19	3,274.09	0.00	0.00	0.00
6,600.00	70.00	240.88	4,412.29	-1,639.15	-2,942.28	3,368.06	0.00	0.00	0.00
6,700.00	70.00	240.88	4,446.49	-1,684.88	-3,024.37	3,462.03	0.00	0.00	0.00
6,800.00	70.00	240.88	4,480.69	-1,730.61	-3,106.46	3,556.00	0.00	0.00	0.00
6,900.00	70.00	240.88	4,514.90	-1,776.34	-3,188.55	3,649.97	0.00	0.00	0.00
7,000.00	70.00	240.88	4,549.10	-1,822.08	-3,270.64	3,743.94	0.00	0.00	0.00
7,100.00	70.00	240.88	4,583.30	-1,867.81	-3,352.73	3,837.90	0.00	0.00	0.00
7,200.00	70.00	240.88	4,617.50	-1,913.54	-3,434.82	3,931.87	0.00	0.00	0.00
7,300.00	70.00	240.88	4,651.70	-1,959.27	-3,516.91	4,025.84	0.00	0.00	0.00
7,400.00	70.00	240.88	4,685.91	-2,005.00	-3,599.00	4,119.81	0.00	0.00	0.00
7,500.00	70.00	240.88	4,720.11	-2,050.74	-3,681.09	4,213.78	0.00	0.00	0.00
7,600.00	70.00	240.88	4,754.31	-2,096.47	-3,763.18	4,307.75	0.00	0.00	0.00

LEAM Drilling Systems LLC

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Wellbore:	OH		
Design:	Draft #2		

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)
7,680.33	70.00	240.88	4,781.79	-2,133.21	-3,829.13	4,383.24	0.00	0.00	0.00
PBHL (HWG 29-5)									
7,700.00	70.00	240.88	4,788.51	-2,142.20	-3,845.27	4,401.72	0.00	0.00	0.00
7,809.17	70.00	240.88	4,825.85	-2,192.13	-3,934.89	4,504.31	0.00	0.00	0.00
PBHL (HWG 29-5) 70°									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (HWG 29-5) - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W
PBHL (HWG 29-5) 70° - plan hits target center - Point	0.00	0.00	4,825.85	-2,192.13	-3,934.89	1,378,024.39	2,432,116.14	40° 21' 11.398 N	107° 32' 15.994 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
651.00	651.00	Surf Csg			
3,684.44	3,415.11	ICP			

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
392.00	392.00	T/Morapos		15.00	243.00
601.00	601.00	B/Morapos		15.00	243.00
2,973.73	2,956.60	Buck Peak		15.00	243.00
3,634.44	3,396.79	Niobrara/Tow Creek Bench		15.00	243.00

GRMR Oil & Gas, LLC

Moffat County, CO

Hollywood Gold

29-5

OH

Plan: Draft #2

Standard Planning Report - Geographic

12 April, 2016

LEAM Drilling Systems LLC

Planning Report - Geographic

Database:	EDM 5000.1 Multi_User Db	Local Co-ordinate Reference:	Well 29-5
Company:	GRMR Oil & Gas, LLC	TVD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

Project	Moffat County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Hollywood Gold				
Site Position:		Northing:	1,380,126.15 usft	Latitude:	40° 21' 33.064 N
From:	Lat/Long	Easting:	2,436,100.03 usft	Longitude:	107° 31' 25.167 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.31 °

Well	29-5					
Well Position	+N/-S	0.00 usft	Northing:	1,380,126.15 usft	Latitude:	40° 21' 33.064 N
	+E/-W	0.00 usft	Easting:	2,436,100.03 usft	Longitude:	107° 31' 25.167 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,585.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/8/2016	9.67	66.38	52,069

Design	Draft #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	240.88

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,517.77	0.00	0.00	2,517.77	0.00	0.00	0.00	0.00	0.00	0.00	
3,684.44	70.00	240.88	3,415.11	-305.79	-548.89	6.00	6.00	-10.21	240.88	
7,809.17	70.00	240.88	4,825.85	-2,192.13	-3,934.89	0.00	0.00	0.00	0.00	PBHL (HWG 29-5) 7(

LEAM Drilling Systems LLC

Planning Report - Geographic

Database:	EDM 5000.1 Multi_User Db	Local Co-ordinate Reference:	Well 29-5
Company:	GRMR Oil & Gas, LLC	TVD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
SHL (HWG 29-5)										
100.00	0.00	0.00	100.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
200.00	0.00	0.00	200.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
300.00	0.00	0.00	300.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
392.00	0.00	0.00	392.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
T/Morapos										
400.00	0.00	0.00	400.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
500.00	0.00	0.00	500.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
600.00	0.00	0.00	600.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
601.00	0.00	0.00	601.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
B/Morapos										
651.00	0.00	0.00	651.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
Surf Csg										
700.00	0.00	0.00	700.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
800.00	0.00	0.00	800.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
900.00	0.00	0.00	900.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,517.77	0.00	0.00	2,517.77	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W	
2,550.00	1.93	240.88	2,549.99	-0.26	-0.48	1,380,125.90	2,436,099.54	40° 21' 33.061 N	107° 31' 25.174 W	
2,600.00	4.93	240.88	2,599.90	-1.72	-3.09	1,380,124.50	2,436,096.90	40° 21' 33.047 N	107° 31' 25.207 W	
2,650.00	7.93	240.88	2,649.58	-4.45	-7.98	1,380,121.89	2,436,091.94	40° 21' 33.020 N	107° 31' 25.271 W	
2,700.00	10.93	240.88	2,698.90	-8.44	-15.14	1,380,118.06	2,436,084.69	40° 21' 32.980 N	107° 31' 25.363 W	
2,750.00	13.93	240.88	2,747.72	-13.68	-24.55	1,380,113.04	2,436,075.17	40° 21' 32.929 N	107° 31' 25.485 W	
2,800.00	16.93	240.88	2,795.91	-20.15	-36.17	1,380,106.83	2,436,063.41	40° 21' 32.865 N	107° 31' 25.635 W	
2,850.00	19.93	240.88	2,843.34	-27.84	-49.98	1,380,099.45	2,436,049.42	40° 21' 32.789 N	107° 31' 25.813 W	
2,900.00	22.93	240.88	2,889.87	-36.73	-65.94	1,380,090.93	2,436,033.27	40° 21' 32.701 N	107° 31' 26.019 W	
2,950.00	25.93	240.88	2,935.39	-46.80	-84.01	1,380,081.28	2,436,014.97	40° 21' 32.601 N	107° 31' 26.253 W	
2,973.73	27.36	240.88	2,956.60	-51.98	-93.30	1,380,076.32	2,436,005.56	40° 21' 32.550 N	107° 31' 26.373 W	
Buck Peak										
3,000.00	28.93	240.88	2,979.76	-58.01	-104.13	1,380,070.53	2,435,994.60	40° 21' 32.491 N	107° 31' 26.513 W	
3,050.00	31.93	240.88	3,022.87	-70.33	-126.25	1,380,058.72	2,435,972.20	40° 21' 32.369 N	107° 31' 26.798 W	
3,100.00	34.93	240.88	3,064.59	-83.74	-150.31	1,380,045.86	2,435,947.84	40° 21' 32.236 N	107° 31' 27.109 W	
3,150.00	37.93	240.88	3,104.81	-98.19	-176.25	1,380,032.01	2,435,921.58	40° 21' 32.093 N	107° 31' 27.444 W	
3,200.00	40.93	240.88	3,143.43	-113.64	-203.99	1,380,017.19	2,435,893.49	40° 21' 31.941 N	107° 31' 27.803 W	
3,250.00	43.93	240.88	3,180.33	-130.06	-233.46	1,380,001.45	2,435,863.66	40° 21' 31.779 N	107° 31' 28.183 W	
3,300.00	46.93	240.88	3,215.41	-147.40	-264.58	1,379,984.83	2,435,832.16	40° 21' 31.607 N	107° 31' 28.585 W	

LEAM Drilling Systems LLC

Planning Report - Geographic

Database:	EDM 5000.1 Multi_User Db	Local Co-ordinate Reference:	Well 29-5
Company:	GRMR Oil & Gas, LLC	TVD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,350.00	49.93	240.88	3,248.58	-165.60	-297.25	1,379,967.38	2,435,799.07	40° 21' 31.427 N	107° 31' 29.007 W
3,400.00	52.93	240.88	3,279.75	-184.62	-331.40	1,379,949.14	2,435,764.50	40° 21' 31.239 N	107° 31' 29.448 W
3,450.00	55.93	240.88	3,308.83	-204.42	-366.93	1,379,930.16	2,435,728.53	40° 21' 31.044 N	107° 31' 29.907 W
3,500.00	58.93	240.88	3,335.74	-224.92	-403.73	1,379,910.50	2,435,691.26	40° 21' 30.841 N	107° 31' 30.383 W
3,550.00	61.93	240.88	3,360.40	-246.08	-441.72	1,379,890.21	2,435,652.80	40° 21' 30.632 N	107° 31' 30.874 W
3,600.00	64.93	240.88	3,382.76	-267.85	-480.78	1,379,869.35	2,435,613.25	40° 21' 30.417 N	107° 31' 31.378 W
3,634.44	67.00	240.88	3,396.79	-283.15	-508.26	1,379,854.67	2,435,585.43	40° 21' 30.266 N	107° 31' 31.733 W
Niobrara/Tow Creek Bench									
3,650.00	67.93	240.88	3,402.75	-290.15	-520.82	1,379,847.96	2,435,572.72	40° 21' 30.196 N	107° 31' 31.895 W
3,684.44	70.00	240.88	3,415.11	-305.79	-548.90	1,379,832.97	2,435,544.29	40° 21' 30.042 N	107° 31' 32.258 W
ICP									
3,700.00	70.00	240.88	3,420.43	-312.91	-561.67	1,379,826.14	2,435,531.36	40° 21' 29.972 N	107° 31' 32.423 W
3,800.00	70.00	240.88	3,454.64	-358.64	-643.76	1,379,782.30	2,435,448.25	40° 21' 29.520 N	107° 31' 33.483 W
3,900.00	70.00	240.88	3,488.84	-404.37	-725.85	1,379,738.45	2,435,365.14	40° 21' 29.068 N	107° 31' 34.544 W
4,000.00	70.00	240.88	3,523.04	-450.10	-807.94	1,379,694.60	2,435,282.03	40° 21' 28.616 N	107° 31' 35.604 W
4,100.00	70.00	240.88	3,557.24	-495.84	-890.03	1,379,650.75	2,435,198.91	40° 21' 28.164 N	107° 31' 36.665 W
4,200.00	70.00	240.88	3,591.44	-541.57	-972.12	1,379,606.91	2,435,115.80	40° 21' 27.712 N	107° 31' 37.725 W
4,300.00	70.00	240.88	3,625.65	-587.30	-1,054.21	1,379,563.06	2,435,032.69	40° 21' 27.260 N	107° 31' 38.786 W
4,400.00	70.00	240.88	3,659.85	-633.03	-1,136.30	1,379,519.21	2,434,949.58	40° 21' 26.808 N	107° 31' 39.846 W
4,500.00	70.00	240.88	3,694.05	-678.77	-1,218.39	1,379,475.36	2,434,866.46	40° 21' 26.356 N	107° 31' 40.906 W
4,600.00	70.00	240.88	3,728.25	-724.50	-1,300.48	1,379,431.52	2,434,783.35	40° 21' 25.904 N	107° 31' 41.967 W
4,700.00	70.00	240.88	3,762.45	-770.23	-1,382.57	1,379,387.67	2,434,700.24	40° 21' 25.452 N	107° 31' 43.027 W
4,800.00	70.00	240.88	3,796.66	-815.96	-1,464.66	1,379,343.82	2,434,617.13	40° 21' 25.000 N	107° 31' 44.087 W
4,900.00	70.00	240.88	3,830.86	-861.70	-1,546.75	1,379,299.98	2,434,534.01	40° 21' 24.548 N	107° 31' 45.148 W
5,000.00	70.00	240.88	3,865.06	-907.43	-1,628.84	1,379,256.13	2,434,450.90	40° 21' 24.096 N	107° 31' 46.208 W
5,100.00	70.00	240.88	3,899.26	-953.16	-1,710.93	1,379,212.28	2,434,367.79	40° 21' 23.644 N	107° 31' 47.269 W
5,200.00	70.00	240.88	3,933.46	-998.89	-1,793.02	1,379,168.43	2,434,284.68	40° 21' 23.192 N	107° 31' 48.329 W
5,300.00	70.00	240.88	3,967.66	-1,044.62	-1,875.11	1,379,124.59	2,434,201.57	40° 21' 22.740 N	107° 31' 49.389 W
5,400.00	70.00	240.88	4,001.87	-1,090.36	-1,957.20	1,379,080.74	2,434,118.45	40° 21' 22.288 N	107° 31' 50.450 W
5,500.00	70.00	240.88	4,036.07	-1,136.09	-2,039.29	1,379,036.89	2,434,035.34	40° 21' 21.836 N	107° 31' 51.510 W
5,600.00	70.00	240.88	4,070.27	-1,181.82	-2,121.38	1,378,993.04	2,433,952.23	40° 21' 21.384 N	107° 31' 52.570 W
5,700.00	70.00	240.88	4,104.47	-1,227.55	-2,203.47	1,378,949.20	2,433,869.12	40° 21' 20.932 N	107° 31' 53.631 W
5,800.00	70.00	240.88	4,138.67	-1,273.29	-2,285.56	1,378,905.35	2,433,786.00	40° 21' 20.480 N	107° 31' 54.691 W
5,900.00	70.00	240.88	4,172.88	-1,319.02	-2,367.65	1,378,861.50	2,433,702.89	40° 21' 20.028 N	107° 31' 55.751 W
6,000.00	70.00	240.88	4,207.08	-1,364.75	-2,449.74	1,378,817.66	2,433,619.78	40° 21' 19.576 N	107° 31' 56.812 W
6,100.00	70.00	240.88	4,241.28	-1,410.48	-2,531.83	1,378,773.81	2,433,536.67	40° 21' 19.124 N	107° 31' 57.872 W
6,200.00	70.00	240.88	4,275.48	-1,456.22	-2,613.92	1,378,729.96	2,433,453.56	40° 21' 18.672 N	107° 31' 58.932 W
6,300.00	70.00	240.88	4,309.68	-1,501.95	-2,696.01	1,378,686.11	2,433,370.44	40° 21' 18.220 N	107° 31' 59.993 W
6,400.00	70.00	240.88	4,343.89	-1,547.68	-2,778.10	1,378,642.27	2,433,287.33	40° 21' 17.768 N	107° 32' 1.053 W
6,500.00	70.00	240.88	4,378.09	-1,593.41	-2,860.19	1,378,598.42	2,433,204.22	40° 21' 17.316 N	107° 32' 2.113 W
6,600.00	70.00	240.88	4,412.29	-1,639.15	-2,942.28	1,378,554.57	2,433,121.11	40° 21' 16.864 N	107° 32' 3.174 W
6,700.00	70.00	240.88	4,446.49	-1,684.88	-3,024.37	1,378,510.73	2,433,037.99	40° 21' 16.412 N	107° 32' 4.234 W
6,800.00	70.00	240.88	4,480.69	-1,730.61	-3,106.46	1,378,466.88	2,432,954.88	40° 21' 15.960 N	107° 32' 5.294 W
6,900.00	70.00	240.88	4,514.90	-1,776.34	-3,188.55	1,378,423.03	2,432,871.77	40° 21' 15.508 N	107° 32' 6.355 W
7,000.00	70.00	240.88	4,549.10	-1,822.08	-3,270.64	1,378,379.18	2,432,788.66	40° 21' 15.056 N	107° 32' 7.415 W
7,100.00	70.00	240.88	4,583.30	-1,867.81	-3,352.73	1,378,335.34	2,432,705.55	40° 21' 14.604 N	107° 32' 8.475 W
7,200.00	70.00	240.88	4,617.50	-1,913.54	-3,434.82	1,378,291.49	2,432,622.43	40° 21' 14.152 N	107° 32' 9.535 W
7,300.00	70.00	240.88	4,651.70	-1,959.27	-3,516.91	1,378,247.64	2,432,539.32	40° 21' 13.700 N	107° 32' 10.596 W
7,400.00	70.00	240.88	4,685.91	-2,005.00	-3,599.00	1,378,203.79	2,432,456.21	40° 21' 13.247 N	107° 32' 11.656 W
7,500.00	70.00	240.88	4,720.11	-2,050.74	-3,681.09	1,378,159.95	2,432,373.10	40° 21' 12.795 N	107° 32' 12.716 W
7,600.00	70.00	240.88	4,754.31	-2,096.47	-3,763.18	1,378,116.10	2,432,289.98	40° 21' 12.343 N	107° 32' 13.777 W

LEAM Drilling Systems LLC

Planning Report - Geographic

Database:	EDM 5000.1 Multi_User Db	Local Co-ordinate Reference:	Well 29-5
Company:	GRMR Oil & Gas, LLC	TVD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Project:	Moffat County, CO	MD Reference:	GE 6585' + KB 19' @ 6604.00usft (Prelim Planning)
Site:	Hollywood Gold	North Reference:	True
Well:	29-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Draft #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,680.33	70.00	240.88	4,781.79	-2,133.21	-3,829.13	1,378,080.88	2,432,223.22	40° 21' 11.980 N	107° 32' 14.628 W
PBHL (HWG 29-5)									
7,700.00	70.00	240.88	4,788.51	-2,142.20	-3,845.27	1,378,072.25	2,432,206.87	40° 21' 11.891 N	107° 32' 14.837 W
7,809.17	70.00	240.88	4,825.85	-2,192.13	-3,934.89	1,378,024.39	2,432,116.14	40° 21' 11.398 N	107° 32' 15.994 W
PBHL (HWG 29-5) 70°									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (HWG 29-5) - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	1,380,126.15	2,436,100.03	40° 21' 33.064 N	107° 31' 25.167 W
PBHL (HWG 29-5) 70° - plan hits target center - Point	0.00	0.00	4,825.85	-2,192.13	-3,934.89	1,378,024.39	2,432,116.14	40° 21' 11.398 N	107° 32' 15.994 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
651.00	651.00	Surf Csg			
3,684.44	3,415.11	ICP			

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
392.00	392.00	T/Morapos		15.00	243.00
601.00	601.00	B/Morapos		15.00	243.00
2,973.73	2,956.60	Buck Peak		15.00	243.00
3,634.44	3,396.79	Niobrara/Tow Creek Bench		15.00	243.00