Oil & Gas - Power Bl

Measure Oil & Gas Production More Efficiently

•••BLUE •••MARGIN The Dashboard Effect

Case Study: Colorado Oil and Gas Conservation Commission

We used Power BI to help the Colorado Oil & Gas Conservation Commission to convert countless spreadsheets of tabular data into a single set of powerful analytics, giving users better insight into oil and gas production levels.

Problem:

The Commission was sitting on a goldmine of historical data about oil and gas production. Yet, to gain meaningful insights, users had to pour over years of granular data, and wrangle multiple spreadsheets (55 to be exact) to answer even simple (but critical) questions.

Solution:

Using Power BI, we took stale, tabular data, and transformed it into dynamic visualizations that allow users to discover insights, leading to better decisions regarding our client's investment in natural resources.



COLORADO Oil & Gas Conservation Commission Department of Natural Resources

Results:

Using Power BI, we transformed historical data into a strategic asset, empowering users in both the public and private sectors to make informed decisions about natural resources. Gaining actionable, new insights from historical data is just one of the high-impact values of using Power BI.

Power BI brings data to life so users have the ability to answer questions more easily, make better forecasting decisions, see historical patterns and trends, and visualize activity by geographic location through interactive maps.

Systems Used:

- Power BI Desktop
- PowerBl.com
- Excel
- Proprietary Database

Dashboards

		ge of Total Production Quantity			Production Quantites					
Adams					Region A Total CO2 Prod Total Gas Prod Total OI Prod Total Water Produced					
Arapahoe					Central			4,287,160	1,679,342	593,611
Archuleta	Central	45.4%	25.6%	9.0%	North Central			560,307,551	109,893,925	33,233,296
laca					Northeastern		0	33,698,395	3,029,343	\$3,840,083
lent	North Central	79.7%		15	Northern Mountain Northwestern		1,066	406,267 654,248,219	431,888 6,579,329	2,109,968
Boulder	Northeastern	37.2%	59.4%		South Central		1,055	654,248,219	6,579,529	634
Froomfield	Northern Mountain 13.8%	14.6%	71.6%		Southeastern		10.052.617	82,519,611	187,845	60.754.860
Theyenne	Northwestern	77.4%		7.4%	Southwestern		360,706,905	385,171,404	133,086	24,051,464
Delta	South Central	64.9%	24.5%		Total		370.770.589	1.670.705.355	121.970.735	335.193.308
Denver	Southeastern	51.7%	37.4%							
Delores	Southeastern	33.7%	37.6%							
El Paso	0%	20% 40%	60% 80%	100%						
Bbert										
tremont	Percentage of Total 9	Sales Quantity			Sales Quantite					
Sarfield		CO2 @Gas 00			Region	Year	Total CD2 Sold	Total Gas Sold	Fotal Oil Sold	
Funnison	100%				Control	2015		2,944,595	157,182	
fuerfano	100%				North Central	2015		552,886,166	87,022,898	
ackson				47.6%	Northeastern	2015	D	27,518,010	2,561,652	
efferson					Northern Mountain	2015	0	14,794 639,882,865	172,752 8,157,365	
	50% 94.9% 93.7%	91.5% 92.1% 98.3	s 100m 87.3%		Northwestern South Central	2015	D	059,882,889	8,157,565	
Gowa	94.9% 93.7%	91.5%	~		Southeastern	2015	10.051.643	70,739,005	282,389	
				52.6%	Southwestern	2015	360,639,463	325,405,230	219,259	
Ut Carson									48.761.424	
lit Carson a Plata					Total		370.691.106			
lit Carson La Plata Larimer	0%		12.4%		Total		370.691.106	1.618.890.666	48.761.424	
lit Carson La Plata Larimer Las Animas	05 (sens) (sens)			stern	Total		370.691.106	1.618.890.666	48.761.424	
Kiowa Kit Carson La Plata Larimer Las Animas Lincoln Logan	0% Central on Central or	Marrie Marrie State		stern	Total		370.691.106	1.618.890.666	48.761.424	

