

Data Analytics Services for the Energy Sector

In today's energy landscape, companies face mounting pressure to optimize operations, reduce costs, and make smarter decisions—all while navigating fractured data systems and complex workflows. Whitley Penn is your strategic partner in overcoming these challenges.

Our structured approach and advanced assessment tools act as a compass, guiding you through the complexities of your current state and providing innovative insights and a clear path forward. Unlike a linear map, our adaptable approach responds to changing conditions, ensuring you navigate your next growth phase with flexibility and precision.



**Financial Operations
Analytics**
(LOE, CAPEX/AFE,
Production)



**Business Development
Analytics**
(Deal Evaluations)



**Custom
Multidimensional
Reporting**
(Unified Architecture)



**Digital Transformation
Advisory**
(Operating Model/Process
Automation)

Data Analytics. Your Competitive Advantage.

Turn Fractured Data into a Centralized Data Warehouse

We help you centralize your data into a single analytics warehouse—integrating accounting, production, reserves data, field reporting, AOI shapefiles, and public datasets. The warehouse is kept continuously updated, giving you timely, accurate insights and the ability to make smarter decisions across your organization.

Turn Inefficient Reporting into FinOps Agility

Our FinOps Discovery service transforms financial and operational reporting into actionable intelligence. We give you the tools to:

- Compare actuals vs. forecasts in real time
- Automate LOE statements with drilldowns to the vendor and cost category level
- Track AFEs from budget through actuals
- Uncover cost-saving opportunities with productivity dashboards

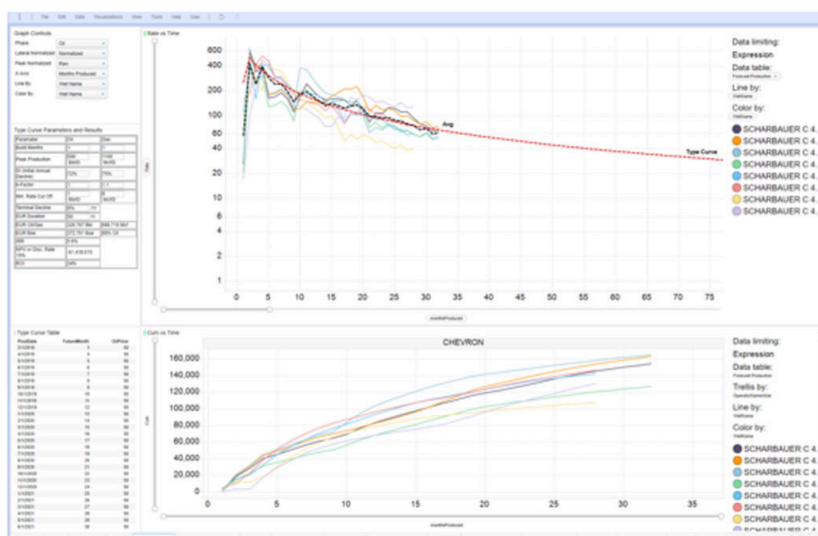
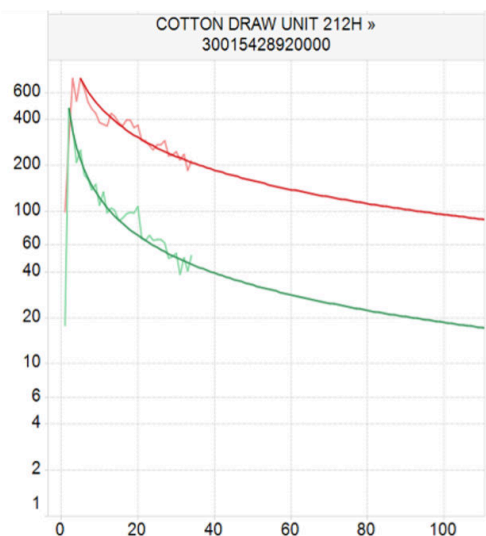
The result: operational efficiency, sharper cost management, and greater confidence in your decisions.

Turn Limited Visibility into Production & Operational Performance

We deliver production analysis dashboards that highlight what matters most:

- Actuals vs. forecasts
- Type curves and EURs
- WOR, GOR, downtime, and well-level metrics

With our service, you can monitor performance across your organization, spot problems early, and optimize results—anytime, anywhere.





Turn Canned Templates into Customized, Energy-Sector Dashboards and Reports

Generic analytics platforms don't reflect how you run your business. We build custom dashboards and reports designed for the energy industry—tailored to your workflows, KPIs, and questions. From CAPEX/AFE tracking to dynamic LOE monitoring, production analysis, and strategic planning, we ensure every deliverable provides insight you can act on.

AFE Tracker

Row	AFE ID	AFE Name	Type	Budget	Actual	Field Estimate	Actual / Budget	Field Est. / Budget	Field Est. / Actual	Cum over Time	Job Start Date	Last Cost Date	Close AFE
1	2100-OC	Wellbore #1 D&C	D&C	6,000,000	5,200,170	6,250,000	86%	104%	119%		2021-09-01	2021-10-31	FALSE
2	2100-OC	Wellbore #2 D&C	D&C	6,000,000	6,471,000	6,150,000	108%	103%	112%		2021-09-01	2021-10-31	FALSE
3	2103-OC	Wellbore #3 D&C	D&C	6,000,000	5,825,010	6,020,000	97%	101%	104%		2021-09-01	2021-10-31	FALSE
4	2101-OC	Wellbore #4 D&C	D&C	7,000,000	6,300,000	6,850,000	90%	104%	109%		2021-09-01	2021-10-31	FALSE
5	2100-FA	Drill #1 P&A	P&A	30,000	32,000	31,500	107%	105%	103%		2021-08-01	2021-10-31	FALSE
6	2100-OC	Sparger #1 D&C	D&C	5,400,000	1,914,702	1,944,200	35%	35%	101%		2021-08-01	2021-10-31	FALSE
7	2100-OC	Sparger #2 D&C	D&C	6,000,000	1,770,022	2,800,000	30%	57%	187%		2021-08-01	2021-10-31	FALSE
8	2100-OC	Sparger #3 D&C	D&C	5,100,000	1,974,302	1,900,000	39%	38%	104%		2021-08-01	2021-10-31	FALSE
9	2107-OC	Sparger #4 D&C	D&C	5,100,000	1,807,102	1,710,000	35%	33%	105%		2021-08-01	2021-10-31	FALSE
10	2100-AC	Trailer #1 Reclamation	Reclamation	1,700,000	1,300,000	1,072,000	77%	63%	121%		2021-07-15	2021-09-15	FALSE
11	2100-AC	Trailer #2 Reclamation	Reclamation	2,000,000	1,200,000	800,000	60%	40%	150%		2021-07-12	2021-09-08	FALSE
12	2100-FA&L	Heap ESP Replacement	Facilities	210,000	300,000	171,000	143%	82%	169%		2021-06-02	2021-07-02	FALSE
13	2100-FA	Holard #2 P&A	P&A	42,000	30,200	37,200	72%	89%	103%		2021-05-01	2021-09-25	FALSE
14	2101-FA&L	Pump Pad Facility Expansion	Facilities	2,000,000	2,001,000	1,801,000	100%	90%	111%		2021-01-02	2021-03-01	TRUE
15	2011-WO	Pool Shielder Construction	Mechanical	90,000	70,000	67,000	78%	74%	106%		2020-05-12	2020-07-06	TRUE
16	2012-WO	Pump #2 Rod Repair	Mechanical	65,000	72,000	70,000	111%	112%	101%		2020-05-12	2020-07-11	TRUE

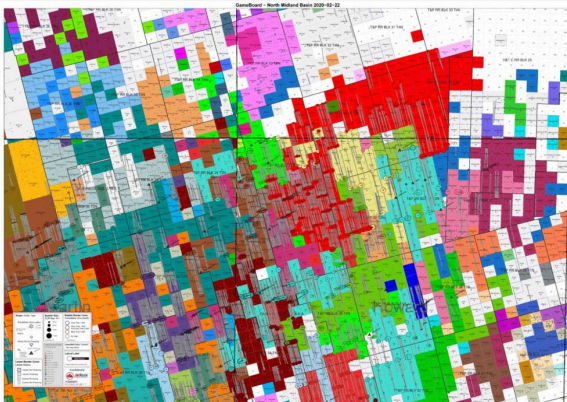
Credit Lease Operating Statement		Accounting Data Base											
		4/1/2021	5/1/2021	6/30/2021	7/31/2021	8/31/2021	9/30/2021	10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022	3/31/2022
SALES VOLUMES													
Gas Sales Volume (MM)		161,403.45	159,826.70	140,088.92	140,201.01	139,014.95	140,090.24	140,212.50	138,229.27	139,000.93	140,086.06	138,405.31	140,000.87
NGL Sales Volume (MM)		151,173.02	150,002.07	124,927.22	125,770.71	125,140.82	125,710.93	125,270.08	124,107.31	124,977.21	125,300.41	125,100.71	125,173.86
Oil Sales Volume (MM)		179,591	189,386	188,375	179,723	188,651	187,187	181,847	193,142	187,834	188,525	186,056	182,603
NGL Sales (Using MCH)													
GROSS ALLOCATED VOLUMES													
Gas Production Volume (MM)		149,953.33	148,410.46	143,159.25	143,053.92	140,200.05	140,114.65	140,623.25	137,053.03	138,074.59	140,499.86	138,674.43	140,009.93
Gas Production Volume (MM)		151,173.02	150,742.08	124,927.22	125,770.71	125,140.82	125,710.93	125,270.08	124,107.31	124,977.21	125,300.41	125,100.71	125,173.86
Oil Production Volume (MM)		179,591	189,386	188,375	179,723	188,651	187,187	181,847	193,142	187,834	188,525	186,056	182,603
REVENUES (\$)													
Gas Sales Revenue		626,216.92	618,143.84	529,801.81	527,845.96	498,242.69	502,499.67	506,154.09	484,914.79	495,814.04	500,900.02	498,818.48	491,388.90
NGL Sales Revenue		62,680,353.98	61,405,719.22	48,863,108.51	48,527,420.52	46,590,921.07	46,800,396.82	46,880,314.27	45,802,104.45	46,205,460.38	46,270,574.81	46,000,610.22	46,134,937.22
Oil Sales Revenue													
Oil Hedge Contracts													
Revenue Less Hedging		13,510,655	17,109,235	15,598,760	16,299,255	15,907,364	15,790,809	15,366,072	16,637,326	14,080,907	13,999,477	16,636,474	13,281,169
REVENUE (Including Hedging (\$))													
Production Taxes		478,626.33	705,113.92	763,132.07	741,002.86	812,920.36	752,249.35	1,154,518.22	886,205.15	632,326.70	620,074.96	678,177.45	971,073.40
Marketing Fees													
Transportation Expense		155,760.62	195,212.67	171,815.74	179,353.88	162,945.02	175,628.12	162,589.72	185,600.38	145,656.35	124,250.10	147,503.00	132,201.63
Total Revenue Deductions		586,387.02	965,339.21	934,947.81	920,356.75	975,865.38	928,878.47	1,294,817.95	1,117,046.43	777,983.13	744,325.06	825,674.90	1,103,275.03
Total Net Revenue		12,527,268.57	16,783,847.47	14,663,812.01	15,378,902.14	14,931,438.67	14,861,931.10	14,071,256.11	15,465,379.81	13,302,924.22	13,275,151.89	15,810,799.45	12,178,893.46
COMMODITY PRICES													
Gas (Bbl/MMBtu (\$/Btu))		3.83	3.70	3.39	3.33	3.18	3.13	3.14	3.07	3.04	3.03	3.04	3.03
Oil (Bbl/MMBtu (\$/Bbl))		81.50	80.71	80.16	80.03	79.46	79.15	78.15	78.16	78.16	78.16	78.16	78.16
West Coast		10	9	9	9	9	9	9	9	9	9	9	9
OPERATING EXPENSES (\$)													
Pumping Unit Repair		-	-	40,974.76	2,327.38	36,760.04	4,719.71	-	15,574.44	15,888.48	4,787.76	-	-
Material		-	-	-	174.36	174.36	491.70	-	1,910.07	-	-	4,302.21	-
Chemicals		-	640.80	4,303.59	14,001.49	2,712.75	3,200.52	53,849.48	4,403.58	12,607.89	3,521.45	14,526.34	13,200.95
Fueling		-	-	3,103.63	3,262.00	3,462.01	3,462.01	3,462.01	3,462.01	3,462.01	3,462.01	3,462.01	3,462.01
Workers		-	1,200.00	1,400.01	1,400.01	1,400.01	1,400.01	1,400.01	1,400.01	1,400.01	1,400.01	1,400.01	1,400.01
Total Operating Expenses		55,217.63	66,238.75	174,444.67	276,710.19	276,710.19	276,710.19	276,710.19	276,710.19	276,710.19	276,710.19	276,710.19	276,710.19
Net Income (Loss)		12,471,950.94	16,717,608.72	14,488,967.34	15,102,191.95	14,055,573.29	14,085,211.91	13,800,035.92	15,248,369.62	12,525,001.09	12,550,836.73	15,005,124.55	11,075,618.43
LOE - Average Well		-	5,559.90	19,379.41	39,552.88	19,379.79	29,055.21	5,238.63	14,531.47	12,639.20	14,525.45	19,709.87	12,639.98

Turn Slow Business Development into Data-Driven Growth

Our BizDev Discovery service equips your team with the intelligence to prospect smarter and move faster. Using public data, mapped AOI monitoring, and custom dashboards and reports, we help you:

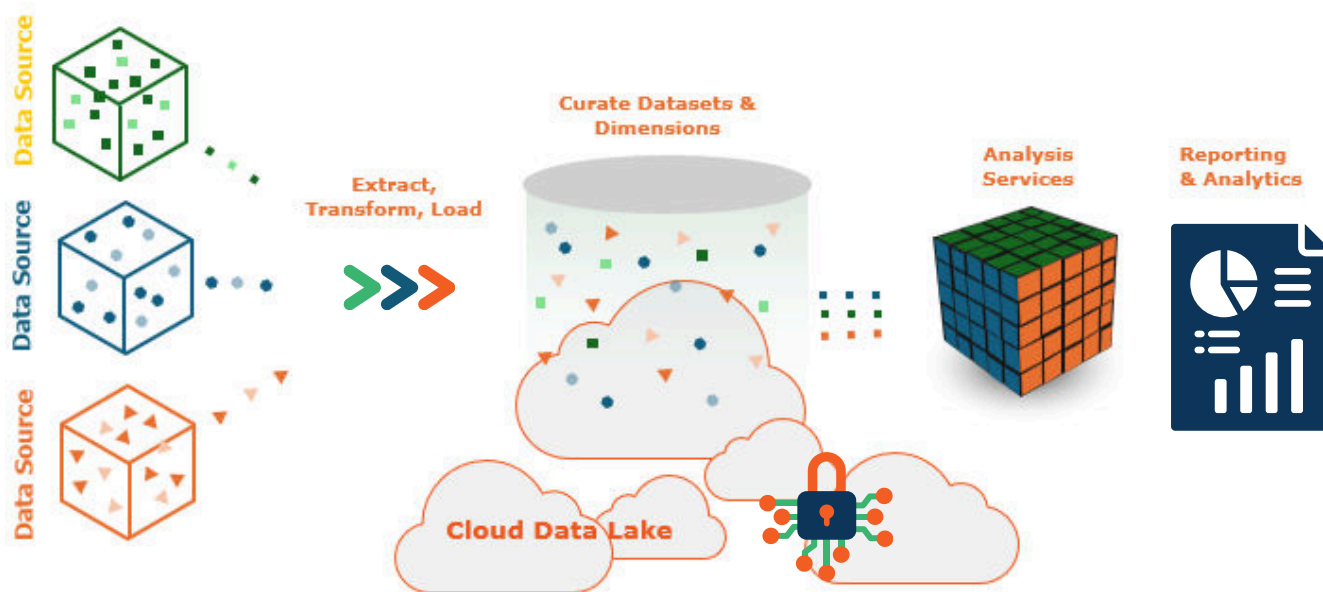
- Prospect new deals and bolt-on acreage
- Screen opportunities with EURs and production analysis
- Zoom in from a large-scale AOI view down to well-level detail
- Highlight activity deltas and monitor competitors with confidence

The result: faster, smarter business development decisions backed by clear data.



How it All Comes Together.

Digital Services encompasses a full set of advisory capabilities with an end-to-end mindset, helping you think through strategic issues and fully align technology with your overall purpose and business objectives. We help you turn disparate data sources into intelligible systems and insights.





Services for Energy Companies

Audit

- Audit, review, and compilation of financial statements
- GAAP and IFRS reporting
- Agreed-upon procedures (including forensic audits)
- Audit of revenue and expenses tied to royalty and lease agreements
- Employee benefit plan audits
- GAAP to IFRS conversion
- Due diligence for M&A and transactions
- SOX compliance and internal control evaluations
- Business process improvement
- Internal audit assistance

Tax

- Federal and state tax return preparation and consulting
- Tax consulting for oil and gas property transactions
- Entity choice consulting for investors, operators, developers
- Master limited partnership structuring and allocations
- Tax provision calculations and documentation
- State and local tax reviews
- Depletion and intangible drilling cost deduction expertise

Advisory

- Strategic consulting
- Deal advisory (transaction readiness, quality of earnings, restructuring, post-transaction advisory)
- Forensic, litigation & valuation services (business valuations, damage calculations, expert testimony)
- Risk advisory (cybersecurity & data privacy assessments)
- Data products & strategy (LOS reporting, dashboard creation, software integration)
- Data analytics (modeling, strategy, RPA, AI)

Client Accounting & Advisory Services (CAAS)

- General ledger accounting for upstream and midstream Oil & Gas companies
- Accounts Payable (AP) services and treasury management
- Revenue and Joint Interest Billing (JIB) preparation and distribution
- Regulatory reporting (severance tax, government royalties, state withholdings)
- Financial reporting
- Audit and tax preparation and management
- Purchase price accounting consultation
- Acquisition onboarding
- Divestiture accounting
- Technical Oil & Gas GAAP accounting
- Accounting software integration and implementation
- OGSYS Implementation
- Fund administration accounting
- Controllershship & interim advisory
- Special projects, staff augmentation, controller services, & technical accounting

Land Administration

- Lease administration (setup and maintenance of master files, wells, contracts)
- Expiration and lease status calendars
- Acreage position reports
- Payment of land obligations (shut-in royalties, delay rentals)
- Division of interest maintenance (GW/NRI schedules, JIB & revenue decks)
- Owner relations and database support
- Suspense monitoring and management

Mineral & Asset Management

- Asset organization & document collection
- Proactive land management
- Production volume & deduction reviews
- Access to MineralWare software (mapping and well data)
- Ad valorem tax payment & protesting
- Monthly, quarterly, or annual reporting
- Revenue deposits
- Invoice/JIB tracking & payments
- Suspended/escheated funds recovery
- Division order review and execution
- Lease negotiation and marketing
- Communication with operators and regulators
- Surface management and negotiation

SCAN TO LEARN MORE ABOUT OUR ENERGY PRACTICE

We pride ourselves in being able to serve as our Oil & Gas clients' back-office team. From tax strategy, outsourced accounting, land administration & division interest services, mineral and asset management, and more, we've got you covered.

At Whitley Penn,
Your Future is Our Focus.

